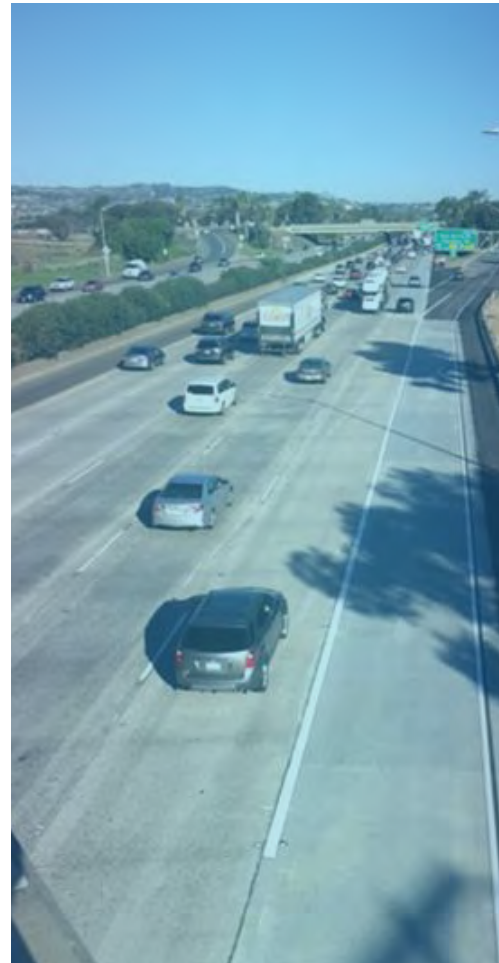
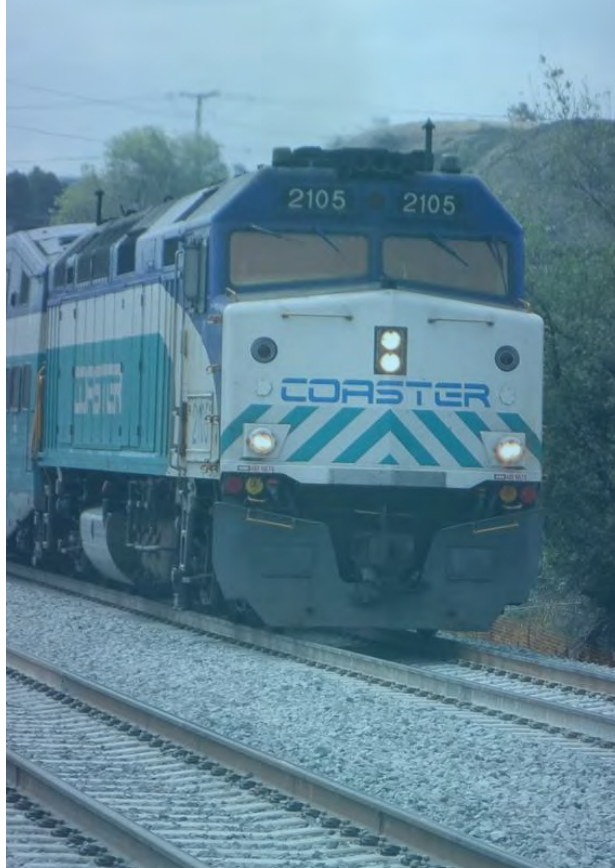
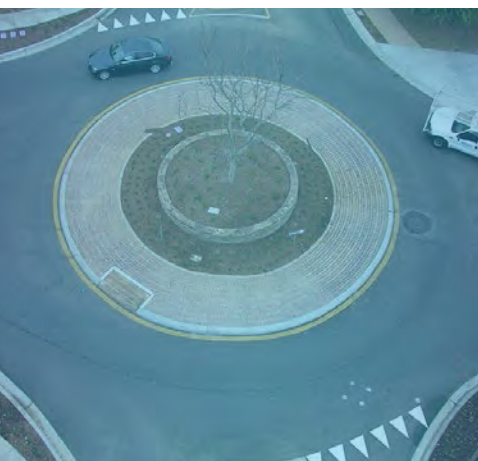




2016 REGIONAL TRANSPORTATION IMPROVEMENT PROGRAM



September
2016

Final 2016
Regional Transportation
Improvement Program
September 2016



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RESOLUTION NO. RTC-2017-03

ADOPTING THE 2016 REGIONAL TRANSPORTATION IMPROVEMENT PROGRAM AND AIR QUALITY CONFORMITY DETERMINATION

WHEREAS, Title 23 and 49 of the Code of Federal Regulations require the preparation and updating of a Transportation Improvement Program by the Metropolitan Planning Organization (MPO); and

WHEREAS, Sections 14527 and 65082 of the California Government Code require the biennial preparation of a Regional Transportation Improvement Program (RTIP) by the Regional Transportation Planning Agency (RTPA); and

WHEREAS, the San Diego Association of Governments (SANDAG) has been designated the MPO and the RTPA for the San Diego region; and

WHEREAS, the San Diego Transportation Improvement Program Ordinance and Expenditure Plan (Proposition A 2004) further provide that the SANDAG Board, acting as the San Diego County Regional Transportation Commission (RTC), shall approve a multiyear *TransNet* sales tax funded Program of Projects (POP) as part of the RTIP; and

WHEREAS, SANDAG, through the conduct of a continuing, cooperative, and comprehensive transportation planning process and in conformance with all applicable federal and state requirements, has prepared the 2016 RTIP, including an updated *TransNet* POP for the San Diego region; and

WHEREAS, the 2016 RTIP has been found to be in conformance with San Diego Forward: The Regional Plan (Regional Plan), all applicable SIP requirements for air quality, and the 2007 Eight-Hour Ozone Attainment Plan in accordance with the transportation conformity requirements contained in 40 CFR Part 51 and Part 93, as required by Section 176(c) of the federal Clean Air Act (42 U.S.C. Sec. 7506) of the 1990 Clean Air Act Amendments; and with the 2009 Regional Air Quality Strategy (RAQS), in accordance with California law; and with the California Transportation Commission adopted 2016 State Transportation Improvement Program (STIP), Fixing America's Surface Transportation (Fast) Act and the *TransNet* Ordinance and Expenditure Plans, including reasonable available funding provisions; and

WHEREAS, the 2016 RTIP projects have been developed from the Revenue Constrained Regional Plan and satisfy the transportation conformity provisions of 40 CFR 93.122(g) and all applicable transportation planning requirements per 23 CFR Part 450; and; and

WHEREAS, the 2016 RTIP projects are fiscally constrained as shown in Tables 4-1a through 4-1c; and

WHEREAS, the 2016 RTIP provides for timely implementation of Transportation Control Measures (TCM) contained in the adopted RAQS/SIP for air quality and a quantitative emissions analysis demonstrates that implementation of the RTIP projects and programs meet all of the emissions budgets from the *Redesignation Request and Maintenance Plan for the 1997 National Ozone Standard for San Diego County*, which were found adequate for transportation conformity purposes by the U.S. Environmental Protection Agency in 2013, and from the *Eight-Hour Ozone Attainment Plan for San Diego County*, which were found adequate for transportation conformity purposes by U.S. EPA in 2008, and from the *2004 Revision to California SIP for Carbon Monoxide*, which was approved as a SIP revision in 2006; and

WHEREAS, the public and affected agencies have been provided notice of and an opportunity to comment on the 2016 RTIP and its air quality conformity determination and the re-determination of the Revenue Constrained Regional Plan and agencies with funding allocations in the 2016 RTIP were directed to hold public meetings on their respective projects; and

WHEREAS, the 2016 RTIP is consistent with Title VI of the Civil Rights Act and the social equity analyses contained in the Regional Plan; and

WHEREAS the public was given a 30 day comment period on the 2016 RTIP with notices sent in English and Spanish to extensive mailing lists used by SANDAG, including its Community Based Outreach network, which represents a wide variety of minority, low income, disabled, elderly and limited English proficiency populations; and a public hearing was held at a SANDAG Transportation Committee meeting on September 2, 2016, to present the 2016 RTIP and its air quality conformity determination and the re-determination of conformity of the Revenue Constrained Regional Plan; and to solicit additional testimony from the public;

NOW THEREFORE

BE IT RESOLVED that SANDAG finds the 2016 RTIP and the Revenue Constrained Regional Plan, in conformance with the applicable SIPs for the San Diego region; and

BE IT FURTHER RESOLVED, that the SANDAG Board of Directors has taken into consideration the comments received by SANDAG from the public on the 2016 RTIP and its air quality conformity determination; and

BE IT FURTHER RESOLVED, that the SANDAG Board of Directors, acting as the RTC, has reviewed the *TransNet* POP submitted by the local agencies and finds them to be consistent with the provisions of the San Diego Transportation Improvement Program Ordinance and Expenditure Plan (Proposition A 2004) and with the Revenue Constrained Regional Plan; and

BE IT FURTHER RESOLVED that the SANDAG Board of Directors, acting as the RTC approves the FY 2017 to FY 2021 *TransNet* POP, as incorporated in the 2016 RTIP; and

BE IT FURTHER RESOLVED that the 2016 RTIP, and the FY 2017 to 2021 *TransNet* POP, have been developed based upon an estimate of reasonably available revenues for the program period. Actual transportation fund availability to each eligible recipient/project applicant will be based on actual federal/state fund apportionments, including obligation authority limitations, and *TransNet* sales tax receipts;

BE IT FURTHER RESOLVED that the SANDAG Board of Directors, also acting as the RTC, does hereby adopt the 2016 RTIP and its air quality conformity determination, and the re-determination of conformity of the Revenue Constrained Regional Plan; and

BE IT FURTHER RESOLVED that all regionally significant, capacity increasing projects included in the 2016 RTIP are also included in the Revenue Constrained Regional Plan; and

BE IT FURTHER RESOLVED that the adoption of the 2016 RTIP constitutes the Intergovernmental Review Procedures for those projects listed in the RTIP. The 2016 RTIP approval does not constitute project level design or environmental approval, which is conducted according to state and federal regulations; and

BE IT FURTHER RESOLVED that the inclusion of any federally funded projects in the 2016 RTIP, including all amendments, constitutes the federal Expedited Project Selection Process (EPSP) procedures for the San Diego region, and any projects programmed in the RTIP may proceed to implementation without further project selection action by SANDAG; and

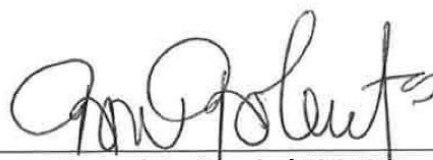
BE IT FURTHER RESOLVED that the SANDAG approval of the 2016 RTIP also constitutes the federal transit "designated recipient" approval of all Federal Transit Administration grant applications filed by the transit operators that are consistent with the RTIP project programming.

PASSED AND ADOPTED this 23rd day of September 2016.

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, Poway, Oceanside, 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

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Chapter 1

Executive Summary

Chapter 1

Executive Summary

Overview

The 2016 Regional/Federal Transportation Improvement Program is a multi-billion dollar, five-year program of major transportation projects funded by federal, state, *TransNet* local sales tax, and other local and private funding covering FY 2016/17 to FY 2020/21. The 2016 RTIP development process, which includes the air quality emissions analysis for all regionally significant projects, requires approval by the Federal Highway Administration (FHWA) and the Federal Transit Administration (FTA).

The 2016 RTIP is a prioritized program designed to implement the region's overall strategy for providing mobility and improving the efficiency and safety of the transportation system, while reducing transportation-related air pollution in support of efforts to attain federal and state air quality standards for the region. The 2016 RTIP also incrementally implements San Diego Forward: The Regional Plan (Regional Plan), the long-range transportation plan for the San Diego region – approved by the San Diego Association of Governments (SANDAG) Board of Directors (Board) on October 9, 2015.

Document Organization

This document includes five chapters. This first chapter, the Executive Summary, provides an overview of the document. Chapter 2 describes the RTIP development process, including federal, state, and *TransNet* transportation programming requirements. Chapter 3 contains the detailed listings of projects while Chapter 4 provides the financial capacity analysis, and Chapter 5 describes the air quality conformity analysis.

Also included are the following appendices: Appendix A-1 provides the listing of projects which are included in the various grouped project listings. Appendix A-2 provides the status of all non-carryover projects from the 2014 RTIP. Appendix A-3 outlines the Expedited Project Selection Process (EPSP) that allows SANDAG to move funding between the first quadrennial element in order to access prior year funding or advance the implementation of certain projects different than their programmed dates. Appendix A-4 provides the list of Regional Arterial System projects within San Diego County based upon the approved Regional Plan. Appendix A-5 lists the projects exempt from regional air quality conformity analysis. Appendix A-6 includes the detailed regional air quality emissions analysis report for non-exempt or Capacity Increasing (CI) projects. Appendix A-7 describes the congestion management process for the federally funded CI projects. Appendix A-8 describes the SANDAG public participation process. Appendix A-9 includes a summary of public comments and SANDAG responses following the 30-day public comment period and public hearing. Appendix A-10 is the checklist provided by Caltrans for items necessary to be included in the RTIP. Appendix A-11 includes a glossary of acronyms and terms.

The 2016 RTIP also can be found on the SANDAG website at sandag.org/RTIP. This web page is designed to provide background information as well as the latest updates to the program and relevant documentation. The site is updated regularly.

Program Summary

A summary of the major transportation projects is provided in Table 1-1. A map illustrating major transportation projects included in the 2016 RTIP is shown in Figure 1-1. The individual project listings have been developed in coordination with Caltrans, the San Diego Metropolitan Transit System (MTS), the North County Transit District (NCTD), local jurisdictions, other agencies, and various SANDAG stakeholders and working groups and can be found in Chapter 3.

Financial Capacity Assessment

Chapter 4 provides a financial capacity analysis of the major program areas. Based upon this analysis, the projects contained within the 2016 RTIP are reasonable when considering available funding sources.

For nonattainment and maintenance areas, the 2016 RTIP must be a revenue constrained document with programmed projects based upon committed funding for the first two fiscal years of the RTIP and/or reasonably available for the third fiscal year. Funding assumptions are generally based upon: (1) authorized or appropriated levels of federal and state funding from current legislation; (2) conservative projections of future federal and state funding based upon a continuation of current funding levels; (3) the most current revenue forecasts for the *TransNet* program; and (4) the planning and programming documents of the local transportation providers.

The projects programmed in the 2016 RTIP are expressed in future year dollars. That is, they have been escalated based upon anticipated inflation and other factors to the expected year of obligation or expenditure. Funding for the State Transportation Improvement Program (STIP) and State Highway Operations and Protection Program (SHOPP) are based upon the 2016 Fund Estimate (FE) adopted by the California Transportation Commission (CTC) in August 2015. Based on the Department of Finance Budget Letter, the FE assumes a 2.2 percent annual escalation covering the period FY 2016/17 through FY 2020/21. In January 2016, the CTC approved revisions to the 2016 FE, which resulted in a reduction of approximately \$750 million to the 2016 STIP capacity.

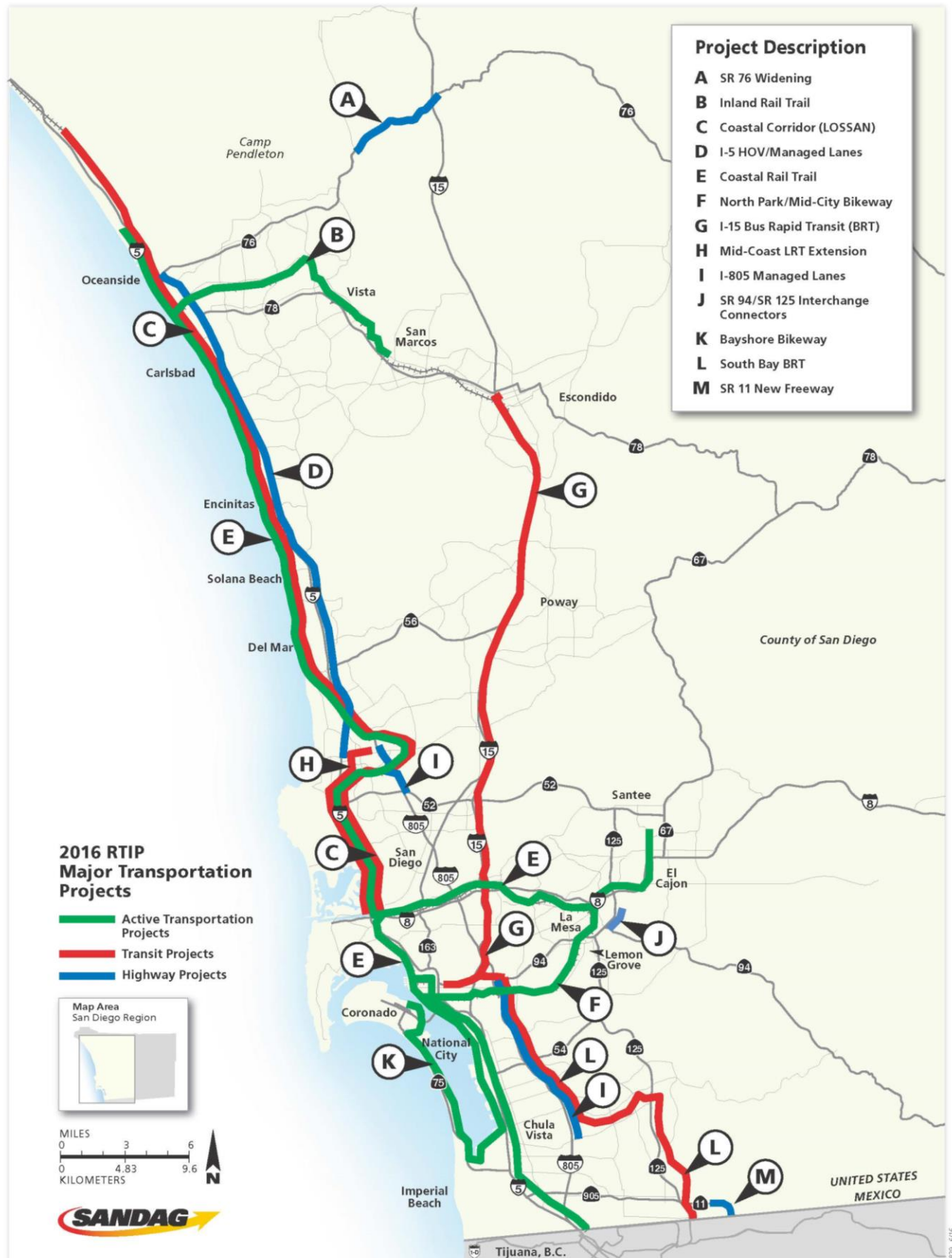
For the major transportation projects funded with the County transportation sales tax, *TransNet*, the SANDAG rate takes into account current regional economic trends. The average growth rate used is around 3.5 percent over the five-year RTIP period. The short-term growth rate was approved by the SANDAG Board at its February 2016 meeting. This rate is consistent with the current update to the long-range Regional Plan.

SANDAG continuously monitors developments in funding programs and funding needs of transportation projects, as reflected by the RTIP project listing. For *TransNet* Early Action Projects, quarterly updates for each corridor are provided to both the Independent Taxpayer Oversight Committee (ITOC) and the Transportation Committee. Any significant changes are reviewed by the SANDAG Transportation Committee and/or Board of Directors; and if needed, SANDAG will take appropriate actions, such as an RTIP revision, to maintain the financial constraint of the RTIP. For the RTIP financial constraint tables, please refer to Chapter 4, Tables 4-1a through 4-1c.

Table 1-1: 2016 RTIP Program Summary Major Projects by Mode (in \$000s)

Description	Federal	State	TransNet	Local/Private	Total
Major Multi Modal Facilities					
Interstate 5	\$367,329	\$176,580	\$208,560	\$15,514	\$767,983
Interstate 805	\$141,110	\$98,759	\$214,783	\$348	\$455,000
Border Access/Port	\$330,472	\$408,083	\$28,758	\$546,974	\$1,314,287
<i>Subtotal Major Multi-Modal Facilities</i>	<i>\$838,911</i>	<i>\$683,422</i>	<i>\$452,101</i>	<i>\$562,836</i>	<i>\$2,537,270</i>
Major Transit					
Mid-Coast	\$1,628,939	\$0	\$542,262	\$0	\$2,171,201
LOSSAN Corridor	\$212,492	\$79,138	\$225,152	\$23,811	\$540,593
Bus Rapid Transit (<i>Rapid</i>)	\$86,017	\$321,641	\$348,833	\$17,720	\$774,211
<i>Subtotal Major Transit</i>	<i>\$1,927,447</i>	<i>\$400,779</i>	<i>\$1,116,247</i>	<i>\$41,531</i>	<i>\$3,486,005</i>
Major Highway					
State Route 76	\$184,229	\$27,387	\$118,532	\$23,308	\$353,456
State Route 78	\$1,904	\$4,105	\$13,782	\$0	\$19,791
State Route 94	\$0	\$80,861	\$18,751	\$825	\$100,437
State Route 241 Transportation Corridor Agencies Toll	\$0	\$0	\$0	\$392,423	\$392,423
Other Highway	\$67,131	\$273,301	\$115,374	\$233	\$456,039
<i>Subtotal Major Highway</i>	<i>\$253,265</i>	<i>\$385,653</i>	<i>\$266,439</i>	<i>\$416,789</i>	<i>\$1,322,146</i>
Operations/Maintenance					
Highway	\$558,158	\$666,757	\$111,060	\$74,302	\$1,410,277
Transit (including operations/planning/capital)	\$1,333,651	\$291,156	\$686,402	\$950,523	\$3,261,732
Local Street and Road	\$0	\$0	\$237,924	\$30,191	\$268,115
<i>TransNet</i> Environmental Mitigation Program	\$0	\$0	\$483,588	\$596	\$484,184
<i>Subtotal Operations/Maintenance</i>	<i>\$1,891,809</i>	<i>\$957,913</i>	<i>\$1,518,974</i>	<i>\$1,055,612</i>	<i>\$5,424,309</i>
Active Transportation					
Bicycle/Pedestrian	\$1,143	\$66,477	\$167,731	\$34,026	\$269,377
Smart Growth	\$0	\$0	\$19,790	\$11,431	\$31,221
<i>Subtotal Active Transportation</i>	<i>\$1,143</i>	<i>\$66,477</i>	<i>\$187,521</i>	<i>\$45,458</i>	<i>\$300,598</i>
Local Improvements					
Street and Road	\$20,790	\$0	\$517,096	\$97,206	\$635,091
Regional Arterial System	\$22,684	\$0	\$188,775	\$239,176	\$450,635
<i>Subtotal Local Improvements</i>	<i>\$43,473</i>	<i>\$0</i>	<i>\$705,871</i>	<i>\$336,382</i>	<i>\$1,085,726</i>
Transportation Systems/Demand Management					
ITS/Traffic Signal	\$9,364	\$18,101	\$85,088	\$23,165	\$135,718
Transportation Demand Management (TDM)	\$48,805	\$0	\$250	\$0	\$49,055
<i>Subtotal Transportation Systems Management/TDM</i>	<i>\$58,169</i>	<i>\$18,101</i>	<i>\$85,338</i>	<i>\$23,165</i>	<i>\$184,773</i>
Grand Total	\$5,014,217	\$2,512,346	\$4,332,491	\$2,481,773	\$14,340,827

Figure 1-1: Map for 2016 RTIP Major Transportation Projects



Consistency with the Regional Plan

On December 2, 2015, the FHWA and FTA issued a finding that the SANDAG Revenue Constrained Regional Plan entitled San Diego Forward: The Regional Plan, is in conformance with federal air quality and planning regulations. The 2016 RTIP is consistent with the Revenue Constrained Regional Plan and, as a financially constrained document, it contains only those major transportation projects listed in the Revenue Constrained Regional Plan.

Air Quality Conformity Determination

Federal metropolitan planning and air quality regulations prescribe the process for determining air quality conformity. These regulations require that the RTIP:

- (1) Provide for the timely implementation of Transportation Control Measures (TCMs).
- (2) Include a quantitative emission analysis of projects programmed in the RTIP, including all regionally significant projects.
- (3) Be within the region's emissions budgets included in the applicable State Implementation Plan (SIP).

Quantitative air quality emissions analysis were conducted for the years 2016, 2025, 2035, 2040, and 2050 revenue constrained transportation scenarios, as shown in Chapter 5. Air quality data was interpolated for 2018 (carbon monoxide) and 2020 (reactive organic gases and nitrous oxides) to demonstrate consistency with air quality budgets. The results of these analyses were distributed to the San Diego Region Conformity Working Group (CWG) on May 13, 2016, and reviewed by the CWG at its meeting on June 1, 2016, with the comment period ending June 13, 2016; there were no comments. The 2016 RTIP meets the conditions for determining conformity with the applicable SIPs for air quality.

A detailed description of the regional emissions analysis and modeling procedures is included in Appendix A-6, while Chapter 5 of this report summarizes the air quality conformity analysis for the 2016 RTIP.

The 2016 RTIP programs substantial funds for the implementation of the four TCMs (identified as Transportation Tactics) in the 1982 SIP and 2009 Regional Air Quality Strategy (RAQS) and have been fully implemented. The Transportation Tactics programmed for implementation are provided in Table 1-2 and total approximately \$7.2 billion, or 50 percent of the total funds programmed. Included are \$49 million for Ridesharing, \$6.7 billion for Transit Improvements, \$269 million for Bicycle Facilities and Programs, and \$135 million for Traffic Flow Improvements. Based upon this analysis, the 2016 RTIP provides for the expeditious implementation of the existing TCMs in the 1982 SIP and 2009 RAQS, which remain the federally approved TCMs for the San Diego region.

Table 1-2: 2016 RTIP – San Diego Region (in \$000s) Transportation Tactics

TRANSPORTATION TACTIC	AMOUNT
RIDESHARING	
Transportation Demand Management	<u>\$49,055</u>
<i>Subtotal Ridesharing:</i>	<i>\$49,055</i>
TRANSIT IMPROVEMENTS	
Mid-Coast	\$2,171,201
Ops/Maint – Transit	\$3,261,732
Major Transit - LOSSAN Corridor	\$540,593
Bus Rapid Transit (<i>Rapid</i>)	<u>\$774,211</u>
<i>Subtotal Transit Improvements:</i>	<i>\$6,747,737</i>
BICYCLE FACILITIES	
Bicycle/Pedestrian Projects	<u>\$269,377</u>
<i>Subtotal Bicycle Facilities:</i>	<i>\$269,377</i>
TRAFFIC FLOW IMPROVEMENTS	
Transportation Management System/Intelligent Transportation System	<u>\$135,718</u>
<i>Subtotal Traffic Flow Improvements:</i>	<i>\$135,718</i>
Total Transportation Tactics in 2016 RTIP: \$7,201,887	
Total All Transportation Projects in 2016 RTIP: \$14,340,827	
Share of T-Tactics Projects in 2016 RTIP: 50%	

Public Participation

It is the policy of SANDAG to engage public participation in the development of agency planning and programming activities. SANDAG has various working groups made up of stakeholders and other members of the public. The public is provided opportunities to participate at SANDAG Board and committee meetings, SANDAG public notices of document availability and public hearings, and through the SANDAG public communications program. Presentations were provided to the Technical Working Group (TWG) on Tribal Transportation Issues and Community Based Organizations (CBO) requesting comments, additional details are described below. The projects included in the 2016 RTIP were discussed as part of the extensive Regional Plan public outreach efforts and various public workshops held throughout the San Diego region. Pursuant to 23 U.S.C. 134(i), the SANDAG Board approved the release of the draft 2016 RTIP for public review and comment at its meeting on July 22, 2016, ending August 22, 2016 and held a public hearing on September 2, 2016.

Examples of public outreach efforts and ongoing participation included:

Independent Taxpayer Oversight Committee: In conformance with the regional transportation sales tax *TransNet* Ordinance, a citizen advisory committee, the ITOC, was established, which oversees projects funded through the *TransNet* program. As the document through which SANDAG identifies *TransNet*-funded projects, the RTIP is reviewed by the ITOC, and their comments on the *TransNet* Program of Projects are conveyed to the SANDAG Transportation Committee, and ultimately to the Board.

Social Equity: For the development of the RTIP, SANDAG relied on the social equity analysis conducted through the development of the Regional Plan. Included in the process in developing the Regional Plan, SANDAG used performance measures to aid in making decisions intended to ensure compliance with Title VI requirements and environmental justice principles. This process included the creation of a Stakeholder's Working Group, citizen representatives and community-based organization groups. For the 2016 RTIP, SANDAG conducted additional outreach to Low Income/Minority (LIM) areas and tribal organizations to solicit their input. The social equity analysis conducted can be found in Chapter 4 of the Regional Plan.

Public Workshops/Outreach: In conjunction with a workshop for CBOs on the Regional Plan, SANDAG provided information about the RTIP and solicited feedback and comments on the draft 2016 document. Information was also provided to the Interagency TWG on Tribal Transportation Issues in January 2016 for solicitation and feedback on tribal funding. In addition, as part of the development of the Regional Plan, special workshops were provided in which SANDAG provided information regarding the RTIP. More information on the outreach efforts for the Regional Plan can be found on the SANDAG web page at sdforward.com.

In an effort to provide greater awareness for public participation, an RTIP guide was created and distributed to all CBOs and provided to the public at the various public meetings related to the RTIP. This guide provides information on RTIP development and how the public involvement process occurs. This document can be found on the RTIP web page at sandag.org/RTIP.

Expansion of Electronic Notifications: In addition to the current list of external industry professionals, SANDAG continually strives to expand the notifications to other citizen-involved working groups. For the 2016 RTIP, SANDAG expanded this list to include tribal organizations and those areas considered as LIM, in addition, a notice for the public hearing was posted on the SANDAG web page in English/Spanish. SANDAG continues to utilize social media outlets such as Facebook and Twitter to ensure maximum outreach.

In an effort to make the RTIP more accessible to the public, a public website was developed through ProjectTrak; an online application used by member agencies to enter projects and propose changes to the RTIP. This public website allows users to view and search the most up-to-date versions of federally approved projects included in the SANDAG RTIP and can be accessed at <https://projecttrak.sandag.org/>.

Appendix A-8 in the 2016 RTIP describes the SANDAG public participation process and includes a copy of the latest Public Participation Policy (Board Policy No. 25) which contains the section specifically addressing the RTIP development and amendment process.

Public Participation Plan: The Public Participation Plan (PPP) reflects the commitment of SANDAG of public participation and involvement to include all residents and stakeholders in the regional planning and decision-making process. The PPP was developed in accordance with guidelines established by the FHWA for metropolitan transportation planning (23 CFR 450.316). It fully complies with Title VI, related nondiscrimination requirements, and reflects the principles of social equity and environmental justice. Included in the PPP are procedures, strategies, and outcomes associated with the ten requirements listed in 23 CFR 450.316 and is available on the SANDAG website at sandag.org/ppp.

Status of Projects from the 2014 RTIP

When no funding is programmed in the current cycle (e.g., FY 2016/17 to FY 2020/21), the project is considered complete for purposes of the RTIP, even though construction may still be ongoing. These projects are either complete, open to traffic, or are currently in construction. There are instances where some projects may be included in the RTIP with no current cycle funding for informational purposes or for environmental purposes. There were a number of regionally significant projects which will not be carried over into the 2016 RTIP and are shown as complete for RTIP purposes. The projects over \$10 million are listed below:

- **(CAL402) San Diego County in San Marcos on State Route 78 – Construct Auxiliary Lanes– \$27,208,000:** This project will construct eastbound and westbound auxiliary lanes in San Marcos on State Route 78.
- **(CB38) El Camino Real – Cannon Road to Tamarack Avenue – \$10,000,000:** This project updated lanes along El Camino Real which included a raised median, three travel lanes, bike lane, and curb and gutter.
- **(ESC11) Street Rehabilitation and Resurface – \$23,046,000:** This project provided pavement reconstruction, resurfacing, chip sealing, and sidewalk repair citywide in the City of Escondido.
- **(SAN26) Interstate 15 *Rapid* Transit Stations at Rancho Bernardo, Sabre Springs, and Del Lago – \$49,342,000:** This project constructed transit stations along Interstate 15 at Del Lago, Rancho Bernardo Road, and Sabre Springs Parkway for Interstate 15 *Rapid* service including surface parking, bus staging, bike lockers, and station amenities.
- **(SAN26A) Interstate 15 *Rapid* Operations and Vehicles – \$34,608,000:** This project funded planning, operations, and vehicle acquisition for *Rapid* service between Escondido and Downtown San Diego and Sorrento Valley.
- **(SAN52) East County Bus Maintenance Facility – \$44,957,000:** This project will construct a new bus facility for transit operations and maintenance.
- **(SAN67) Low-Floor Light Rail Vehicles – \$269,057,000:** This project funded the purchase of 65 new low-floor vehicles for the San Diego Trolley System.
- **(SAN79) Centralized Train Control – \$14,037,000:** This project funded the operation of passenger information signs and public address systems for the MTS service area.

- **(SAN128) Interstate 15 *Rapid* Sabre Springs Parking Structure – \$14,422,932:** This project constructed a parking structure for *Rapid* service which includes a bus staging area and bus shelters at Sabre Springs.
- **(SD103) Interstate 5/Genesee Avenue Interchange – \$18,596,000:** This project, funded from the City of San Diego, will replace the Genesee Avenue over crossing from a 4-lane bridge with a 6-lane bridge. It will also include ramp meters and auxiliary lanes.

There are projects included in the 2016 RTIP which may have already opened to traffic and continue to have funds programmed in the current RTIP cycle. Unlike the projects listed above, these projects were carried over into the 2016 RTIP because funds are programmed (for such purposes as landscaping). All other projects that did not carry over into the 2016 RTIP – as a result of project completion, delay, or deletion – are included in Appendix A-2.

Chapter 2

Regional Transportation Improvement Program Development Process

Chapter 2

Regional Transportation Improvement Program Development Process

This chapter discusses the federal, state, and *TransNet* programming requirements, and the process used by the San Diego Association of Governments (SANDAG) to develop this update. It also describes the process for amendments during this cycle.

Federal Transportation Requirements

SANDAG is designated by the United States Department of Transportation (U.S. DOT) as the Metropolitan Planning Organization (MPO) for the San Diego region.

As the MPO, SANDAG must have a continuing, comprehensive, and coordinated transportation planning process in order to receive federal capital or operating funds. The planning process includes the development of: (1) a long-range, minimum of 20 years, transportation plan describing the policies, strategies, and transportation facility needs; and (2) a Federal Transportation Improvement Program (FTIP) covering at least a four-year period. As both the MPO and the state designated Regional Transportation Planning Agency (RTPA), the SANDAG Regional Transportation Improvement Program (RTIP) is equivalent to the FTIP.

Consistent with these requirements, the SANDAG Board of Directors (Board), in October 2015, adopted the Revenue Constrained Regional Plan, San Diego Forward: The Regional Plan, and on December 2, 2015, the Federal Highway Administration (FHWA) and Federal Transit Administration (FTA) issued a finding of conformity for the Revenue Constrained Regional Plan. Both the Regional Plan and the RTIP documents fulfill federal requirements.

Federal and state regulations identify the development process and required content for the programming document. In general, the RTIP must include all major projects receiving certain categories of federal or state transportation funding, which need federal and/or state approval. The RTIP must also include Capacity Increasing (CI) projects and those projects which are identified as regionally significant. A regionally significant project (defined in 23 CFR 450.104) is a transportation project that is on a facility which serves regional transportation needs and would normally be included in the modeling of the metropolitan area's transportation network. The 2016 RTIP also includes the Program of Projects (POP) funded by *TransNet*, the local transportation sales tax program administered by SANDAG.

The 2016 RTIP indicates the region's priorities for the implementation of transportation projects. It is required to include realistic estimates of project costs and anticipated program revenue. It must also be a financially constrained program. This means that funding must be available and committed to implement the projects listed in this document. As a result, all projects in the first two fiscal years must have dedicated funding, and projects in the out-years either must have a firm funding commitment or a reasonable strategy or expectation that funds will be available. In addition, all projects within the 2016 RTIP must be consistent with the Regional Plan.

Air Quality Conformity

On April 15, 2004, the United States Environmental Protection Agency (U.S. EPA) designated the San Diego air basin as nonattainment for the 1997 Eight-Hour Ozone Standard effective June 15, 2004. Several areas that are tribal lands in eastern San Diego County were excluded from the nonattainment designation.

The U.S. EPA initially classified the air basin as a basic nonattainment area under Subpart 1 of the Clean Air Act and the attainment date for the 1997 Eight-Hour Ozone Standard was set as June 15, 2009. In cooperation with SANDAG, the San Diego County Air Pollution Control District (APCD) developed an Eight-Hour Ozone Attainment Plan for the 1997 standard, which was submitted to the U.S. EPA on June 15, 2007. The budgets in the Eight-Hour Ozone Attainment Plan for San Diego County were found adequate for transportation conformity purposed by the U.S. EPA, effective June 9, 2008.

However, on April 27, 2012, in response to a Court decision, U.S. EPA ruled that the San Diego basic nonattainment area be reclassified as a Subpart 2 moderate nonattainment area, with an attainment date of June 15, 2010. This reclassification became effective on June 13, 2012. Air quality data for 2009, 2010, and 2011 demonstrated that the San Diego air basin attained the 1997 Eight-Hour Ozone Standard. The San Diego County APCD prepared a Maintenance Plan, with a request for redesignation to attainment/maintenance. On December 6, 2012, the California Air Resources Board (CARB) approved the *Redesignation Request and Maintenance Plan for the 1997 National Ozone Standard for San Diego County* for submittal to the U.S. EPA as a State Implementation Plan (SIP) revision. Effective July 5, 2013, the U.S. EPA approved California's request to redesignate the San Diego County ozone nonattainment area to attainment for the 1997 Eight-hour Ozone National Ambient Air Quality Standard (NAAQS) and their plan for continuing to attain the 1997 ozone standard for ten years beyond redesignation.

On May 21, 2012, the U.S. EPA designated the San Diego air basin as a nonattainment area for the new 2008 Eight-Hour Ozone standard and classified it as a marginal area with an attainment date of December 31, 2015. Tribal areas that were previously excluded are now included as part of the San Diego region nonattainment designation. This designation became effective on July 20, 2012. SANDAG determined conformity to the new standard on May 24, 2013, using the applicable model approved by the U.S. EPA to forecast regional emissions (EMFAC2011). The U.S. DOT, in consultation with the U.S. EPA, made its conformity determination on June 28, 2013. The U.S. EPA's final rule also provides for the revocation of the 1997 Eight-Hour Ozone NAAQS for transportation conformity purposes, effective July 20, 2013. In a D.C. Circuit Court decision on December 23, 2014 (NRDC v. EPA No. 12-1321) it was determined that the attainment date for marginal areas would be set for July 20, 2015.

Effective June 3, 2016, the U.S. EPA determined that 11 areas, including the San Diego air basin, failed to attain the 2008 ozone NAAQS by the applicable attainment date of July 20, 2015, and thus are reclassified by operation of law as "Moderate" for the 2008 ozone NAAQS. States containing any or any portion of these new Moderate areas must submit SIP revisions that meet the statutory and regulatory requirements that apply to 2008 ozone nonattainment areas classified as Moderate by January 1, 2017. The San Diego APCD will be submitting a SIP revision addressing Moderate area requirements to the Air Resources Board, who will submit the document to U.S. EPA.

Also, the San Diego region has been designated by the U.S. EPA as a federal maintenance area for the Carbon Monoxide (CO) standard. On November 8, 2004, CARB submitted the 2004 revision to the California SIP for CO to the U.S. EPA. Effective January 30, 2006, the U.S. EPA has approved this maintenance plan as a SIP revision.

The 2016 RTIP must be evaluated for conformity with the SIPs for air quality attainment. The SIPs require that the 2016 RTIP satisfy a number of specific tests to indicate the program will achieve certain air quality emissions reductions and require the RTIP to implement agreed-upon transportation control measures (Transportation Tactics). Chapter 5 further describes the air quality conformity process.

Congestion Management Process

FHWA 23 CFR 450.320 requires that each Transportation Management Area (TMA) address congestion management through a process involving an analysis of multimodal metropolitan wide strategies. SANDAG, as the designated TMA for the San Diego region, monitors the congestion management process for those federal eligible projects. The passage of Assembly Bill 2419 (enacted in 1996) allows TMAs to “opt-out” of the state Congestion Management Process (CMP). In October 2009, the San Diego region elected to be exempt from the State CMP and, since this decision, SANDAG has been abiding by the federal requirement to ensure the region’s continued compliance with the Federal congestion management process.

The Regional Plan discusses several elements for use in the analysis of multimodal strategies including: (1) performance monitoring and measurement of the regional transportation system; (2) multimodal alternatives and non-Single Occupancy Vehicle (SOV) analysis; (3) land use impact analysis; (4) the provision of congestion management tools; and (5) integration with the RTIP process. For the 2016 RTIP, SANDAG monitors CI projects by requiring sponsors of CI projects seeking federal funds to submit documentation that demonstrates the project was evaluated for multimodal alternatives including non-SOV capacity improvements. The most recent federal congestion management process can be found in Appendix U.7 to the Regional Plan and in Appendix A-7 to this document. Further information can also be found on the CMP web page at sandag.org/cmp.

Federal Funding Programs

Federal funds programmed are based on the federal authorizing legislation, Fixing America’s Surface Transportation (FAST) Act, which was signed into law by the President on December 4, 2015. The FAST Act, covering period FY 2016/17 to FY 2019/20, is the first long-term federal transportation reauthorization since 2005 and makes slight modifications to existing formula funds. These federal funding programs include the following:

- Congestion Mitigation and Air Quality Program (CMAQ)
- Federal Transit Administration Sections 5307 (Urbanized Formula Grant), 5310 (Capital Program), 5311 (Rural Transit) Programs, 5337 (State of Good Repair), and 5339 (Bus and Bus Facilities)
- Highway Bridge Program
- Highway Safety Improvement Program/High Risk Rural Roads Program
- Regional Surface Transportation Program (RSTP)

Federal funding for the CMAQ and RSTP programs is apportioned by the State to the San Diego region by formula. As the MPO, SANDAG is responsible for administering the program and project selection based on priority established in the Regional Plan (see Expedited Project Selection Process in Appendix A-3).

CMAQ funds can be used for most categories of transportation projects that improve air quality, such as purchase of alternative-fuel transit vehicles, Transportation Demand Management (TDM) activities, transit operations and high-occupancy vehicle facilities as provided in federal law. CMAQ funds cannot be used for projects that increase the transportation system's capacity for single-occupant vehicles. RSTP funds can be used for state highway, local street and roads, transit, bicycle, traffic signal, and TDM projects.

Federal Submittal Requirements

Following approval by the SANDAG Board, the final 2016 RTIP was submitted to Caltrans for inclusion in the Federal State Transportation Improvement Program (FSTIP), which incorporates the Transportation Improvement Programs (TIPs) from other MPOs around the State. The 2016 RTIP also will be submitted to the FHWA, FTA, and U.S. EPA for federal approval of the air quality conformity determination. The FHWA and FTA approve the RTIP project programming as an element of the FSTIP.

The U.S. EPA acts as a commenting agency to the FHWA and FTA in the RTIP air quality conformity process. The 2016 RTIP may be amended by SANDAG, as needed. However, any revisions that add or modify capacity-increasing, non-exempt projects require an air quality conformity re-determination. A listing of projects that are typically exempt from the air quality conformity determination is provided in Appendix A-5.

State Transportation Requirements

In addition to serving as the federal MPO, SANDAG is designated by the State of California as an RTPA. RTPAs are responsible for implementing state laws regarding transportation planning and funding and to ensure coordinated planning efforts meet both state and federal requirements. The 2016 RTIP is a document which meets both federal and state regulations and includes major projects receiving state transportation funds.

State Transportation Improvement Program

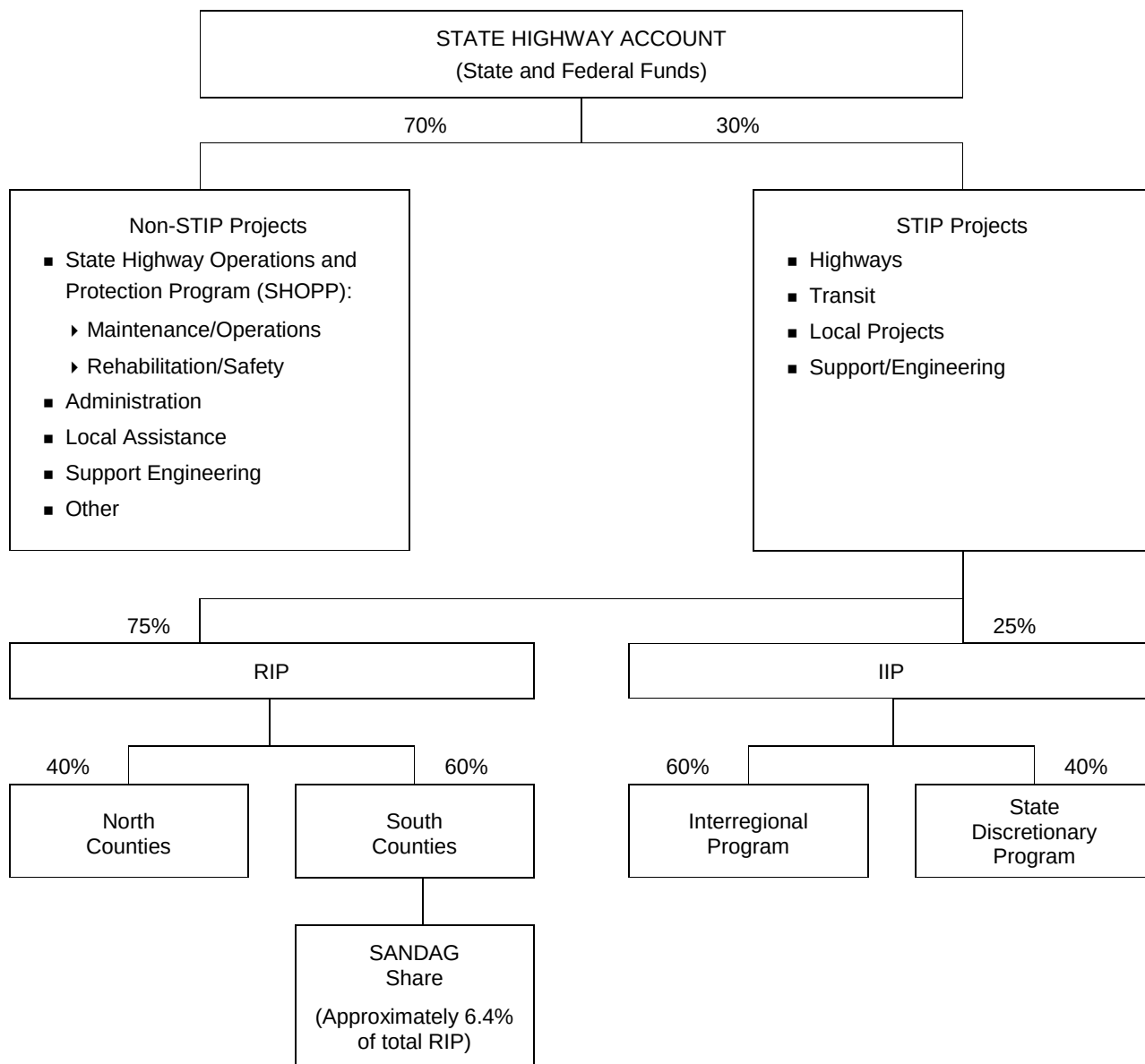
The 2016 State Transportation Improvement Program (STIP) adopted by the California Transportation Commission (CTC) in May 2016 is the state's spending plan. The FAST Act continues a program to provide for a variety of alternative transportation projects, including many that were previously eligible activities under separately funded programs. The Active Transportation Program (ATP) was created by Senate Bill 99 (SB 99) and [Assembly Bill 101](#) (AB 101) to encourage increased use of active modes of transportation, such as biking and walking. The ATP consolidates existing federal and state transportation programs, including the Transportation Alternatives Program, Bicycle Transportation Account, and State Safe Routes to School, into a single program. ATP funds are administered by the CTC with a separate program administered by the designated MPO and projects are selected through a competitive process.

Pursuant to Senate Bill 45 (SB 45), the STIP is comprised of the Regional Improvement Program (RIP) and the Interregional Improvement Program (IIP). Under SB 45, SANDAG as the RTPA submits the RIP projects and

Caltrans submit its IIP projects, in cooperation with SANDAG to the CTC by December 15 of each odd-numbered year.

The CTC develops the STIP Fund Estimate (FE) that includes the RIP “County Share” and IIP fund allocations. The program is updated every two years and currently covers the five-year period 2016/17 to 2020/21. STIP funded projects, like all other state and federally funded projects, must be listed in the RTIP in order for the sponsor agencies to access funding. The STIP consists of funds from the Transportation Investment Fund as well as from the Public Transportation Account and State Highway Account. Figure 2-1 illustrates the funding distribution.

Figure 2-1: State Transportation Fund Allocation Process



Seventy-five percent of the STIP funds flow to the regions by formula whereby the regional planning agencies are charged with developing an expenditure plan for the funds. Eligible project types include improvements

to state highways, local roads, public transit, intercity rail, pedestrian and bicycle facilities, grade separations, transportation system management, transportation demand management, soundwall projects, intermodal facilities, and safety. The regional share is further divided between northern (40%) and southern (60%) areas of the State.

The remaining 25 percent of the funds flow through the IIP, which is a statewide competitive program administered by Caltrans. Sixty percent (of the IIP shares) is directed to projects that improve interregional transportation and 40 percent is programmed at the discretion of the CTC, subject to the north/south ratio identified above. Eligible project types include intercity passenger rail, mass transit guideways, grade separations, and state highways.

As the RTPA for the San Diego region, SANDAG is responsible for nominating projects to receive the region's share of regional STIP (STIP-RIP) funding (as discussed above). These projects in total must be constrained to the "County Share or target" funding amount specified in the STIP FE published by the CTC. Caltrans is responsible for nominating projects to be funded under the interregional STIP (STIP-IIP) statewide program. The CTC must approve the local projects proposed in the RIP and IIP by including them in the adopted STIP or a STIP amendment in order for these projects to receive funding.

For the STIP and State Highway Operations and Protection Program (SHOPP), the revenues and program are based on the revised 2016 FE adopted by the CTC on January 21, 2016. Based on the Department of Finance Budget Letter, the FE assumes a 2 percent annual escalation for State operations expenditures covering the period FY 2016/17 through FY 2020/21. For SANDAG, the priority for STIP funded projects continues to be based upon the criteria approved by the SANDAG Transportation Committee at its October 21, 2005, meeting. These criteria include:

- Complete projects currently programmed in the STIP
- Place particular emphasis on programming and completing *TransNet* Early Action projects
- Program projects at the earliest possible time they can be constructed or implemented
- Maintain existing STIP funding levels as a minimum on existing programmed projects
- Reflect the efforts by the region and Caltrans to complete some of these projects outside the STIP through other funding sources

Along with the Regional Plan, the SANDAG Board adopted the Sustainable Communities Strategy which details how the region will reduce Greenhouse Gas (GHG) emissions to state-mandated levels over time. The state administered portion of the ATP is one of the components that would help the region meet its GHG emissions targets, with the expectation that this program will help fund a number of regionally significant bike projects. The final funding allocation for the state wide funded ATP projects included in the 2016 RTIP rests with the CTC. The approval of the region wide ATP program is ultimately approved by the SANDAG Board.

A major element of active transportation is the implementation of the Regional Bikeway Program. On September 27, 2013, the SANDAG Board approved the Regional Bike Plan Early Action Program (Bike EAP) which prioritized regional bike projects to be funded with, among other programs, the *TransNet* Bicycle,

Pedestrian, and Neighborhood Safety Program (BPNS) and the Transportation Development Act (TDA) Bike program.

In addition, Caltrans develops the 2016 SHOPP which is divided into six project groupings – bridge preservation, collision reduction, mandates, mobility, and roadway/roadside preservation. Projects funded with STIP and SHOPP are programmed in the 2016 RTIP based upon the final CTC adoption.

State Submittal Requirements

The RTIP, which includes the entire San Diego region STIP funded projects and all other federal and locally funded projects, must be submitted to Caltrans by September 30, 2016. Once submitted, the state will post for a 30-day public notice review before federal submittal.

TransNet Requirements

TransNet is the local half-cent transportation sales tax funding program that was approved by San Diego voters in November 2004. As part of the *TransNet* Ordinance, all local agencies are required to submit a five-year *TransNet* POP for inclusion into the RTIP. Serving as the San Diego County Regional Transportation Commission (RTC), SANDAG is required to approve a multi-year *TransNet* POP, consistent with the RTIP update schedule, which identifies all major transportation projects proposed to use the sales tax funds over the multi-year period. In order to receive *TransNet* revenue, transportation projects must be included in the approved RTIP/*TransNet* POP.

The *TransNet* program includes several subprograms. After deducting for administrative expenses (1%), 2 percent for BPNS program projects, and \$250,000 (plus consumer price index) for the Independent Taxpayers Oversight Committee (ITOC), the remainder of the revenues is divided between Major Corridors, Local System Improvements, and Transit System Improvements. Under the Ordinance, the highway and transit major corridor projects were specified in the approved ballot measure. The schedule and funding of the major *TransNet* highway and transit projects are developed cooperatively by SANDAG, Caltrans, and the region's transit operators.

The Board adopted Bike EAP prioritized regional bike projects to be funded with, among other programs, the *TransNet* BPNS and the TDA Bike program. Additionally, the Board approved to set-aside \$1 million per year to support local non-motorized projects. For projects funded under the call for projects process with local agencies as the lead agency are generally listed as a grouped project listing in the RTIP as Various Agencies (V12). EAP projects are listed under SANDAG as the lead agency which can be either group project listing or individually listed. If a bike project is funded with federal or state funds in addition to the local *TransNet* or TDA bike funds, those projects can be listed individually by the sponsoring agency.

The San Diego region's 18 cities and the County develop the *TransNet* program of local street and road projects. The local *TransNet* five-year POP are identified as part of the project listing located in Chapter 3. Per Section 6 of the *TransNet* Ordinance, the projects within each jurisdiction must be approved by each city council or the County Board of Supervisors, after holding a public hearing, in the form of a signed resolution.

RTIP Development Process for *TransNet*

Designated as the region's MPO and RTPA and as the RTC, SANDAG has the overall responsibility for developing the required RTIP document. In a memo dated January 8, 2016, SANDAG requested that project sponsors review and update the projects for submittal for inclusion into the 2016 RTIP. The individual project listings included in Chapter 3 have been submitted by the project sponsors and reviewed for compliance by SANDAG.

The 2016 RTIP has been prepared with input and cooperation from Caltrans, the cities and county, the Metropolitan Transit System (MTS), the North County Transit District (NCTD), and the SANDAG Transportation Committee, as well as other technical and advisory working groups.

Public Participation

SANDAG has provided ample opportunity for community involvement and interagency consultation in the development of the 2016 RTIP, and the SANDAG public participation process provides additional opportunity for public review and comment on the draft document prior to its adoption. Opportunities for community involvement and interagency consultation on the transportation projects included in the 2016 RTIP were provided through public meetings of the various SANDAG committees and working groups that are responsible for the development and oversight of the projects. These committees include the Transportation Committee, Cities/County Transportation Advisory Committee, the Community-Based Organization Working Group, Interagency Technical Working Group on Tribal Transportation Issues, ITOC, and the San Diego Region Conformity Working Group. Also, SANDAG conducted several workshops throughout the county for the development of the Regional Plan, which included information about the RTIP.

At its July 22, 2016, meeting, the SANDAG Board approved the distribution of the draft 2016 RTIP for a 30-day public comment period and set a public hearing on the Proposed Final 2016 RTIP at the SANDAG Transportation Committee meeting on September 2, 2016. Public comments were received and their corresponding SANDAG responses are included in Appendix A-9 of this document. At its September 23, 2016, meeting, the SANDAG Board adopted the final 2016 RTIP. The 2016 RTIP is available on the 2016 RTIP web page at sandag.org/RTIP.

RTIP Amendment Process

On occasion, circumstances may dictate changes to the current RTIP following its adoption. Federal regulations allow changes, or amendments, if the procedures are consistent with federal requirements for TIP development and consistent with federal procedures for revisions to the FSTIP. SANDAG will consider such amendments when the circumstances prompting the amendments are compelling, and when the changes will not adversely affect air quality conformity or financial constraint of the TIP. The proposed changes to projects also must be consistent with the rules of the particular funding program.

There are two types of processes to update the RTIP: (1) Administrative Modifications; and (2) Amendments (described in detail below). SANDAG processes amendments generally on a quarterly basis and administrative modifications on an as-needed basis. Both the 2016 RTIP and any amendment requests during the 2016 RTIP cycle that involve the *TransNet* program must include the sponsor's governing board/council approval in the

form of a signed resolution. The 2016 RTIP quarterly amendment schedule can be found on the RTIP web page at sandag.org/RTIP.

Caltrans currently approves Administrative Modifications in their entirety and Amendments prior to federal approval, and is unable to approve an amendment with exceptions to specific projects. There are circumstances, however, in which SANDAG may need to revise the amended projects after SANDAG approval should Caltrans object to the approval of a specific project. In such instances, SANDAG can revise the original submittal and resubmit the amendment.

Administrative Modifications

Administrative Modifications require the approval of the SANDAG Board who has delegated their authority to the Transportation Committee followed by the State, but do not require federal approval. Federal agencies are notified of the amendments for informational purposes. The streamlined approach helps expedite the approval process. Project requests that fall within the following criteria can be administratively amended:

- Revise a project description which does not change the scope of the project or is in conflict with the project environmental document and wherein the project does not affect air quality or the timely implementation of Transportation Control Measures (TCMs) or impacts financial constraint
- Increase the funding amount up to 40 percent of the project cost or \$10 million, whichever is less
- Change in funding source
- Change a project lead agency
- Split or combine individually listed projects as long as cost, schedule, and scope remain unchanged
- Change required information for grouped project (lump sum) listings
- Add or delete projects from grouped project (lump sum) listings as long as the funding amount stays within the guidelines indicated above

Amendments

Project requests that do not meet the Administrative Modification criteria require Amendments. The conditions for amendments include, but are not limited to, the following:

- Add a new federal or state funded project or delete an existing federal or state funded project
- Shift funds from beyond the first four years (FY 20/2021) to the quadrennial element (FY 2016/17 through FY 2019/20), or vice versa
- The request would affect air quality conformity or the timely implementation of TCMs
- The request would require additional air quality emissions analysis and/or a new finding of air quality conformity by adding a new CI project or deleting an existing CI project
- The request would impact the financial constraint of the RTIP
- The request would result in major changes in scope, design, and/or concept

Amendments require an action by the SANDAG Transportation Committee (SANDAG Board if the amendment requires redetermination of air quality), Caltrans, FHWA, FTA, and the U.S. EPA. Due to the lengthy process involved in determining air quality conformity, amendment requests for regionally significant CI projects requiring new emissions analysis will be scheduled on an as-needed basis (not on any regular schedule).

Grouped Project Listings (Lump Sums)

Grouped projects or lump sum line items are projects grouped under a specified work type (projects must be exempt from air quality conformity). The purpose is to provide flexibility where the individual implementation priorities are unclear. In cooperation with the MPOs around the State, Caltrans, FHWA and the FTA, and based upon 40 CFR 93.126 Exempt Tables 2 and 3, an agreed upon list of grouped project listings was developed for use in the RTIP. Examples of some of the groupings include, but are not limited to, the following:

- Bike and Pedestrian Facilities/Active Transportation Program
- Highway Bridge Program
- Highway Safety Improvement Program
- Highway Maintenance
- Minor Safety and Hazard Projects (SHOPP)
- Pavement Resurfacing and/or Rehabilitation (SHOPP)
- Rehabilitation/Reconstruction of Track Structures and Trackbed (Coastal Rail Corridor)
- *TransNet* Smart Growth and Senior Mini-Grant Programs

For each grouped project listing in the RTIP, SANDAG maintains a detailed list of projects that comprise the grouped project, which can be found in Appendix A-1 and is also available on the RTIP web page at sandag.org/RTIP or sandag.org/rtipgroupedprojects.

Participation by Federal Agencies

This report was funded in part through grants from the FHWA, FTA, and U.S. DOT. The views and opinions of SANDAG expressed herein do not necessarily state or reflect those of the U.S. DOT.

Chapter 3

Project Listings

Chapter 3

Project Listings

This chapter contains the individual project listings for those major transportation projects and programs proposed to use federal, state, *TransNet*, and other local funding. The listings are grouped by project sponsors in alphabetical order. The listings include descriptive material (i.e., type of work, termini length, etc.), the anticipated federal, state, and local revenue sources, and the fiscal year of proposed work. An explanation of the project listing can be found in Figure 3-1.

Federally funded discretionary projects are based upon listings from federal appropriations. Programming levels for formula programs such as Federal Transit Administration (FTA) programs are based upon the urbanized areas estimate as provided in the Federal Register. Caltrans provided the estimated revenues for the Regional Surface Transportation Program (RSTP) and Congestion Mitigation and Air Quality Program (CMAQ) programs. Also included are state funded projects, the *TransNet* local sales tax program (including short- and long-term borrowings), other local funding, and private sources.

Caltrans Highway Projects

Caltrans is the project sponsor for most of the highway projects. Senate Bill 45 requires that projects in the State Transportation Improvement Program (STIP) be programmed in six categories: (1) project approval and environmental document; (2) design, (3) construction engineering; (4) Right-of-Way (ROW) capital; (5) ROW support; and (6) construction capital to allow California Transportation Commission to monitor the projects by these phases. However, for purposes of the San Diego Association of Government (SANDAG) Regional Transportation Improvement Program (RTIP), projects are shown by fiscal year and in three phases: (1) Preliminary Engineering; (2) ROW; and (3) Construction. This provides enough detailed information for regional programming purposes and meets federal requirements.

Several highway programs are identified in the Caltrans listing as grouped projects (lump sums). These state administered programs such as the Highway Bridge Program, State Highway Operations and Protection Program (SHOPP), and Highway Safety Improvement Program (among others) are identified by Caltrans headquarters office and administered by the local Caltrans district offices. All grouped projects listed are exempt for purposes of air quality. The list of individual projects that make up the lump sum is available on the 2016 RTIP website at sandag.org/RTIP and also can be found in Appendix A-1.

Local Agency Projects

The 18 cities and the County of San Diego are the project sponsors for the local agency projects included in this chapter. The local agency listings, organized alphabetically by jurisdiction and Metropolitan Planning Organization (MPO) identification number, generally consist of regional arterial, local street and road, bicycle, and traffic signal improvement projects. The local agency projects include those funded by federal, state, *TransNet*, and other local funding programs.

Transit Projects

Pursuant to Senate Bill 1703, all major regionally significant transit projects are implemented by SANDAG with minor capital projects and operations continuing under the Metropolitan Transit System (MTS) and North County Transit District (NCTD). For all of these projects, costs and revenues are listed by fiscal year for each project phase or for the total project.

Other Regional and Miscellaneous Projects

SANDAG also is the project sponsor for other regional projects. The listing includes the Regional Transportation Demand Management Program, the Freeway Service Patrol Program, and Intelligent Transportation System projects.

Other project listings are included for project sponsors not members of SANDAG that have transportation projects within the San Diego region. These include the Transportation Corridor Agencies, and other requesting agencies.

Federal Funding Requirements

The federal revenue sources shown in this chapter are identified either by specific federal fund category (e.g., RSTP, CMAQ) or by the STIP and SHOPP funding programs. The specific federal fund categories and federal eligibility for the specific projects funded under the STIP and SHOPP are determined by Caltrans as part of a statewide fund management activity.

The STIP and SHOPP projects listed in this chapter must include any required non-federal matching funds. In general, Caltrans provides the non-federal matching funds for STIP state highway projects, and local agencies provide the non-federal matching funds for local street and road projects. Also, agencies may use 100 percent federal funding when applicable and use toll credits as a soft match to fulfill the federal match requirements.

In order to receive federal funding, projects listed in this chapter must provide a minimum non-federal local match, depending on type of federal funds. The federal participation rates range from 50 percent (FTA, etc.) to 91.57 percent (Interstate Highway Maintenance).

Full 100 percent federal funding is applicable for projects such as traffic control signalization, pavement marking, carpooling and vanpooling, installation of traffic signs, traffic lights, guardrails, impact attenuators, concrete barrier end treatments, breakaway utility poles, and priority control system projects.

Status of Prior RTIP Projects

Appendix A-2 includes a list of projects from the previous RTIP that were not carried over into the 2016 RTIP. The status for each project is indicated in bold text. "Completed" indicates the project has opened to traffic or has begun construction and/or no money is programmed beyond FY 2016/17. "Delayed" indicates that the project is ongoing but no new funding has been identified for the RTIP period or the agency has determined other priority projects to fund and may be brought back. "Deleted" indicates that the agency has

decided to no longer pursue the project. With this appendix, every project from the previous RTIP is accounted for and provides a complete picture of the projects' status.

Consistency with the Regional Plan

In order to illustrate the level of consistency between the Regional Plan and the RTIP and to provide additional information for each project, the individual project listing in the following pages provides the following: the Regional Plan page number for those regionally significant projects, the Regional Arterial System as identified in the Regional Plan, the estimated total project cost, the Caltrans identification numbers, the federal earmark numbers, and *TransNet*-related identifiers. The RTIP Project Users Guide (Figure 3-1) points to the various sources of information provided for each project.

Advanced Construction

For some of the major projects, as well as projects funded with federal funds, agencies programmed future funds using Advanced Construction (AC). Using the AC fund source allows agencies to front load or state funds in order to fully fund a phase or to advance the project with the anticipation of a future reimbursement once the federal funds become available. In order to provide an accurate project cost, the AC funds are shown as a negative number in the future reimbursement years, netting to zero, while the federal funds are shown as 'Conversion' indicating the payback to the AC.

Toll Credit

Toll credits would act as a soft match to federal funds indicated in the RTIP as part of the project description. Although the use of toll credits does not add new funding, it does offer agencies the flexibility to use certain projects with 100 percent federal funds while other projects can be funded with 100 percent local funds.

In March 2014, updated guidance on the use of toll credit for FTA and Federal Highway Administration funded projects was released by Caltrans. This update allows local agencies to use other federal funding to replace the required local match for both On-System Local Highway Bridge Program projects and Highway Safety Improvement Program projects. With this option, toll credits can be applied to each federal funding component in the project to increase the federal reimbursement rate to 100 percent.

Figure 3-1: RTIP Project Users Guide

Caltrans

RTIP #

MPO ID: CAL09C		ADOPTION: 16-00	
Project Title: I-805 Direct Access Ramp and HOV at Carroll Canyon		EA NO: 2T040, 2T041	
Project Description: From Carroll Canyon Road to I-5 - construct Direct Access Ramps (DARs) and HOV lanes to Carroll Canyon Road on I-805		PPNO: 0716	
		RTP PG NO: A-16,27,B-30,31,34	
		SANDAG ID: 1280505	
RT:805	Capacity Status: CI	Exempt Category: Non-Exempt	
Est Total Cost: \$95,730		Open to Traffic: Apr 2014	
	TOTAL	PRIOR	16/17
TransNet – MC	\$32,422	\$30,649	\$619
Other Fed - ARRA-RSTP	\$51,817	\$51,817	\$511
TOTAL	\$84,239	\$82,466	\$619
*Additional local contribution of \$11.491M programmed in SD32			

	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet – MC	\$308	\$313	\$511	\$22	\$16,610	\$2,753	\$13,059
Other Fed - ARRA-RSTP							\$51,817
TOTAL	\$308	\$313	\$511	\$22	\$16,610	\$2,753	\$64,876

Type of funds programmed: See fund list at end of Table 3-1

Total amount programmed for project

Funds programmed prior to current RTIP cycle

Fiscal Years covered by the 2016 RTIP Cycle: FY2016/17–FY2020/21

Phase by fund type: See Appendix A-11

MPO ID.....RTIP project number

RTIP No. for the 2016 adoption shows as Adoption: 16-00; for all amendments following, this will state the last amendment the project was approved (Ex. RTIP #: 16-01)

Title/Description name of the project/project information, including location, limits, and scope

EA NO/PPNO unique number assigned by Caltrans as the lead agency or for project oversight

RTP PG NO in order to show consistency between the plan and the program, provides the Regional Plan page number for reference – only applies to regionally significant projects

SANDAG ID.....SANDAG capital project or OWP number; provides reference to the SANDAG capital budget

Earmark No. federal legislative number

RAS.....Regional Arterial System

CR/Maint......for local *TransNet* funded projects, identifies either congestion relief or maintenance

RT state route in which this project is located

Capacity Status indicates whether a project will increase system capacity (CI) or not (NCI); important for regional air quality determination

Exempt Category based upon 40 CFR part 93.126 Exempt Tables 2 and 3

Est Total Cost sometimes the total program is less than the estimated total project cost because the project continues beyond the RTIP cycle years; estimated total cost should always be consistent with the Regional Plan

Open to Traffic.....all non-exempt projects will have an estimated date when the project will be available for public use; if project is exempt, the project will not have this information

Footnote indicated with an asterisk; any additional information pertaining to the project

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

Caltrans

MPO ID: CAL09							ADOPTION: 16-00			
Project Title:		Interstate 5 - HOV/Managed Lanes					EA NO: 235800			
Project Description:		From La Jolla Village Dr. to Harbor Dr. - construct High Occupancy Vehicle (HOV)/Managed Lanes on I-5; construct Phase 1: Construct HOV from Lomas Santa Fe to Birmingham and replace San Elijo Bridge; Construct Phase 2: construct HOV lanes from Birmingham to SR78; Construct Phase 3: Soundwalls on private property from Manchester to SR-78. Toll Credits of \$2,201 will be used to match federal funds for the ROW phase, Toll Credits of \$17,203 will be used to match federal funds for the CON phase					PPNO: 0615, 0615CDE RTP PG NO: A-16, B-30 SANDAG ID: 1200501, 1200504			
RT:5		Capacity Status: CI		Exempt Category: Non-Exempt						
Est Total Cost: \$546,586							Open to Traffic: Phase 1: Sep 2020 Phase 2: Sep 2020			
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - MC	\$154,841	\$122,573	\$28,707		\$1,678	\$1,770	\$113	\$103,580	\$38,292	\$12,969
TransNet - MC AC	\$0	\$159,607		\$(42,525)	\$(63,190)	\$(52,004)	\$(1,889)			
CBI	\$416	\$416						\$416		
CMAQ	\$49,633	\$23,515	\$26,118					\$23,515		\$26,118
CMAQ - Conversion	\$76,481			\$21,003	\$26,547	\$27,042	\$1,889			\$76,481
IM	\$3,886	\$3,886						\$3,886		
RSTP	\$58,258	\$30,357	\$27,901					\$33,206	\$23,910	\$1,142
RSTP - Conversion	\$83,126			\$21,522	\$36,643	\$24,961				\$83,126
STP	\$751	\$751						\$751		
STIP-RIP AC	\$112,943	\$68,943					\$44,000	\$9,561		\$103,382
STIP-RIP State Cash	\$628	\$628						\$628		
TOTAL	\$540,963	\$410,676	\$82,726		\$1,678	\$1,769	\$44,113	\$175,543	\$62,202	\$303,218
*\$5.324M programmed in CAL46A; \$299K provided outside of the RTIP										

MPO ID: CAL09A							ADOPTION: 16-00				
Project Title:		I-5 Lomas Santa Fe Interchange/HOV lanes					EA NO: 07760, 2358U, 2T177				
Project Description:		From Via De La Valle to San Elijo Lagoon - construct interchange and High Occupancy Vehicle (HOV) lane					PPNO: 0701				
							RTP PG NO: A-5				
							SANDAG ID: 1200502				
RT:5		Capacity Status: CI		Exempt Category: Non-Exempt							
Est Total Cost: \$69,425			Open to Traffic: Mar 2009								
		TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - MC		\$22,721	\$20,492	\$277	\$62	\$516	\$1,374		\$2,848	\$94	\$19,779
Prop 1B - CMIA		\$24,500	\$24,500								\$24,500
TCRP		\$6,000	\$6,000								\$6,000
TOTAL		\$53,221	\$50,992	\$277	\$62	\$516	\$1,374		\$2,848	\$94	\$50,279
*State contribution of \$16.204M outside of the RTIP in prior years											

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

Caltrans

MPO ID: CAL09C								ADOPTION: 16-00			
Project Title:		I-805 Direct Access Ramp and HOV at Carroll Canyon						EA NO: 2T040, 2T041			
Project Description:		From Carroll Canyon Road to I- 5 - construct Direct Access Ramps (DARs) and HOV lanes to Carroll Canyon Road on I-805						PPNO: 0716			
								RTP PG NO: A-16,27,B-30,31,34			
								SANDAG ID: 1280505			
RT:805		Capacity Status: CI		Exempt Category: Non-Exempt							
Est Total Cost: \$95,730		Open to Traffic: Apr 2014									
		TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - MC		\$32,422	\$30,649	\$619	\$308	\$313	\$511	\$22	\$16,610	\$2,753	\$13,059
Other Fed - ARRA-RSTP		\$51,817	\$51,817								\$51,817
TOTAL		\$84,239	\$82,466	\$619	\$308	\$313	\$511	\$22	\$16,610	\$2,753	\$64,876
*Additional local contribution of \$11.491M programmed in SD32											

MPO ID: CAL18						ADOPTION: 16-00				
Project Title:		I-15 Managed Lanes (Middle)					EA NO: 064811			
Project Description:		From SR56 to Centre City Pkwy - construct managed lanes including 3 Direct Access Ramps (DARs)					PPNO: 0672 RTP PG NO: A-9 SANDAG ID: 1201502 EARMARK NO: 3783, CA707			
RT:15		Capacity Status: CI		Exempt Category: Non-Exempt						
Est Total Cost: \$466,769		Open to Traffic: Phase 1: Sep 2008			Phase 2: Sep 2008		Phase 3: Mar 2009			
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - MC	\$34,675	\$33,470	\$1,205					\$2,218	\$126	\$32,331
CMAQ	\$27,761	\$27,761							\$247	\$27,514
DEMO - Sec 115	\$1,000	\$1,000								\$1,000
HPP	\$5,000	\$5,000								\$5,000
RSTP	\$64,720	\$64,720								\$64,720
SHOPP-State Cash-Operations	\$5,205	\$5,205						\$1,069		\$4,136
STIP-IIP NHS	\$36,032	\$36,032								\$36,032
STIP-IIP NHS GARVEE	\$49,250	\$49,250								\$49,250
STIP-IIP State Cash	\$4,668	\$4,668								\$4,668
STIP-RIP NHS	\$3,984	\$3,984						\$3,984		
STIP-RIP NHS GARVEE	\$147,750	\$147,750								\$147,750
STIP-RIP State Cash	\$516	\$516						\$516		
TCRP	\$64,300	\$64,300						\$24,963	\$9,337	\$30,000
Local Funds	\$15,954	\$15,954								\$15,954
TOTAL	\$460,815	\$459,610	\$1,205					\$32,750	\$9,710	\$418,355
*State contributed \$5.954M in additional funds outside of the RTIP										

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

Caltrans

MPO ID: CAL18A							ADOPTION: 16-00			
Project Title:		I-15 Managed Lanes-North Segment					EA NO: 081001			
Project Description:		From Centre City Parkway to SR 78 - construct managed lanes and add northbound auxiliary lane from Valley Parkway to 1/2 mile north of SR 78. Toll Credits of \$176 will be used to match federal funds for the CON phase					PPNO: 0672F RTP PG NO: A-9 SANDAG ID: 1201503			
RT:15		Capacity Status: CI		Exempt Category: Non-Exempt						
Est Total Cost: \$164,484		Open to Traffic: Phase 1: Jan 2012			Phase 2: Jan 2012					
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - MC	\$42,130	\$40,962	\$1,168					\$16,227	\$524	\$25,379
CMAQ	\$60,700	\$60,700						\$4,050	\$572	\$56,078
RSTP	\$56,654	\$56,654						\$1,505		\$55,149
STIP-RIP NHS	\$4,426	\$4,426						\$4,426		
STIP-RIP State Cash	\$574	\$574						\$574		
TOTAL	\$164,484	\$163,316	\$1,168					\$26,782	\$1,096	\$136,606
*\$20.995M programmed outside of the RTIP										

MPO ID: CAL18B							ADOPTION: 16-00			
Project Title:	I-15 Managed Lanes- South Segment and Mira Mesa Transit Center						EA NO: 081501			
Project Description:	From SR 163 to I-15/SR 56 Separation - construct managed lanes, south segment including Direct Access Ramps and BRT Station: construct auxiliary lane along northbound I-15 from Pomerado Rd. overcrossing to Carroll Canyon Rd. overcrossing, construct transit center at Miramar College near Hillery Dr.						PPNO: 0672G RTP PG NO: A-9 SANDAG ID: 1201501, 1201506			
Capacity Status: CI		Exempt Category: Non-Exempt								
Est Total Cost: \$409,245 Open to Traffic: Jun 2011										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - MC	\$87,571	\$72,426	\$9,734	\$4,786	\$625			\$36,482	\$27,548	\$23,541
CMAQ	\$11,744	\$11,744						\$11,744		
Prop 1B - CMIA	\$295,391	\$295,391								\$295,391
STIP-RIP NHS	\$8,853	\$8,853						\$8,853		
STIP-RIP State Cash	\$1,147	\$1,147						\$1,147		
Local Funds	\$4,539	\$4,539							\$692	\$3,847
TOTAL	\$409,245	\$394,100	\$9,734	\$4,786	\$625			\$58,226	\$28,240	\$322,779

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

Caltrans

MPO ID: CAL26								ADOPTION: 16-00		
Project Title:		State Route 52 Freeway (E&F)						EA NO: 010611		
Project Description:		In San Diego, Santee and Lakeside, from SR 125 to Cuyamaca Street to SR 67 - construct 4 lane freeway						PPNO: 0260		
								RTP PG NO: A-5		
								SANDAG ID: 1205203		
								EARMARK NO: CA424/604, HPP 1134/2735		
RT:52		Capacity Status: CI		Exempt Category: Non-Exempt						
Est Total Cost: \$464,431								Open to Traffic: Mar 2011		
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - H	\$44,945	\$44,945						\$671	\$44,274	
TransNet - MC	\$70,429	\$66,191	\$2,236	\$2,002				\$14,118	\$36,050	\$20,261
DEMO	\$2,250	\$2,250							\$2,250	
HPP	\$10,415	\$10,415								\$10,415
RSTP	\$53,238	\$53,238							\$22,837	\$30,401
TCSP	\$1,228	\$1,228							\$1,228	
STIP-IIP NHS	\$3,010	\$3,010						\$2,125	\$885	
STIP-IIP State Cash	\$5,355	\$5,355						\$4,732	\$623	
STIP-RIP NHS	\$26,558	\$26,558						\$5,848	\$20,710	
STIP-RIP Prior NHS	\$16,375	\$16,375							\$16,375	
STIP-RIP Prior State Cash	\$802	\$802							\$802	
STIP-RIP State Cash	\$177,501	\$177,501						\$10,825	\$19,274	\$147,402
TCRP	\$43,700	\$43,700							\$43,700	
Local Funds	\$233	\$233							\$233	
TOTAL	\$456,039	\$451,801	\$2,236	\$2,002				\$38,319	\$209,241	\$208,479
*State contributed \$8.392M in additional funds outside of the RTIP										

MPO ID: CAL29							ADOPTION: 16-00			
Project Title:		SR 76 Middle					EA NO: 08010, 08017			
Project Description:		From Melrose Dr. to So. Mission Rd. - in San Diego County in and near Oceanside - widen from 2 to 4 lanes					PPNO: 0759 RTP PG NO: A-9 SANDAG ID: 1207602 EARMARK NO: CA603/2719			
RT:76		Capacity Status: CI		Exempt Category: Non-Exempt						
Est Total Cost: \$165,244			Open to Traffic: Nov 2012							
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - MC	\$51,807	\$49,855	\$344	\$531	\$1,077			\$9,751	\$29,552	\$12,504
TransNet - REMP	\$6,146	\$6,146								\$6,146
DEMO - TEA 21	\$5,595	\$5,595							\$2,680	\$2,915
HPP	\$4,000	\$4,000							\$4,000	
Other Fed - ARRA-RSTP	\$76,613	\$76,613								\$76,613
RSTP	\$6,285	\$6,285						\$6,285		
STP	\$1,000	\$1,000						\$1,000		
Local Funds	\$346	\$346								\$346
TOTAL	\$151,792	\$149,840	\$344	\$531	\$1,077			\$17,036	\$36,232	\$98,524
*State contribution of \$13.452M outside of RTIP										

Tuesday, September 20, 2016

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

Caltrans

MPO ID: CAL29B								ADOPTION: 16-00		
Project Title:		SR 76 East						EA NO: 25715		
Project Description:		From Mission Rd. to I-15 - In and near Oceanside from Mission Rd to I-15, widen from 2 to 4 lanes						RTP PG NO: B-32 SANDAG ID: 1207606		
RT:76		Capacity Status: CI		Exempt Category: Non-Exempt						
Est Total Cost: \$201,664			Open to Traffic: Phase 1: Aug 2013		Phase 2: Dec 2017					
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - MC	\$52,446	\$37,017	\$3,000	\$709	\$600	\$600	\$10,520	\$10,412	\$20,945	\$21,089
TransNet - REMP	\$8,133	\$6,593	\$1,540							\$8,133
RSTP	\$90,436	\$81,911	\$8,525					\$7,436		\$83,000
TPFP	\$300	\$300								\$300
Prop 1B - CMIA	\$27,387	\$27,387								\$27,387
Local Funds	\$22,962	\$2,630					\$20,332	\$16,268		\$6,694
TOTAL	\$201,664	\$155,838	\$13,065	\$709	\$600	\$600	\$30,852	\$34,116	\$20,945	\$146,603

MPO ID: CAL38								ADOPTION: 16-00			
Project Title:		SR-905 New Freeway						EA NO: 093160, 28880			
Project Description:		From I-805 to Otay Mesa Port of Entry - construct 6-lane freeway (Phase 1). Toll Credits of \$513 will be used to match federal funds for the CON phase						PPNO: 0374K RTP PG NO: A-6 SANDAG ID: 1390501 EARMARK NO: CA281, CA297, CA612, HPP 2813			
RT:905		Capacity Status: CI		Exempt Category: Non-Exempt							
Est Total Cost: \$425,357 Open to Traffic: Aug 2012											
		TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - Border		\$1,582	\$1,582						\$1,582		
CBI		\$105,342	\$105,342						\$105,342		
DEMO - Sec 115		\$3,000	\$3,000						\$3,000		
DEMO - TEA 21		\$40,485	\$40,485						\$40,485		
HPP		\$11,277	\$5,836	\$5,441				\$499	\$10,778		
Other Fed - ARRA-STP		\$73,931	\$73,931						\$73,931		
STP		\$1,000	\$1,000						\$1,000		
STP - Sec 117		\$1,067	\$1,067						\$1,067		
STIP-IIP Interstate		\$100,666	\$100,666						\$12,944	\$28,087	\$59,635
STIP-IIP Prior NHS		\$6,406	\$6,406						\$1,976	\$4	\$4,426
STIP-IIP Prior State Cash		\$12,966	\$12,966						\$7,000	\$5,966	
STIP-IIP State Cash		\$23,296	\$23,296						\$1,933	\$9,176	\$12,187
STIP-RIP Interstate		\$20,974	\$20,974						\$11,912		\$9,062
TCRP		\$23,365	\$23,365						\$23,365		
TOTAL		\$425,357	\$419,916	\$5,441				\$24,352	\$228,337	\$172,668	

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Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

Caltrans

MPO ID: CAL44								ADOPTION: 16-00		
Project Title:		Highway Bridge Program								
Project Description:		Countywide - projects are consistent with 40 CFR Part 93.126 Exempt Table 2 categories – widen narrow pavements or reconstructing bridges (no additional travel lanes)								
		Capacity Status: NCI		Exempt Category: Safety - Non capacity widening or bridge reconstruction						
Est Total Cost: \$193,775										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
HBP	\$185,827	\$36,099	\$990	\$6,675	\$8,025	\$12,711	\$121,326			\$185,827
Prop 1B - LBSRA	\$1,342						\$1,342			\$1,342
Local Funds	\$6,606	\$2,027	\$128	\$680	\$1,025	\$474	\$2,271			\$6,606
Local Funds AC	\$0			\$1,030			\$(1,030)			
TOTAL	\$193,775	\$38,126	\$1,118	\$8,385	\$9,050	\$13,185	\$123,909			\$193,775
*Local Funds are programmed separately for Cities of Carlsbad, Del Mar, and San Marcos										

MPO ID: CAL46A								ADOPTION: 16-00			
Project Title:	Grouped Projects for Safety Improvements - SHOPP Mobility Program										
Project Description:	Projects are consistent with 40 CFR Parts 93.126 and 93.127 Exempt Tables 2 and 3 categories -railroad/highway crossing, safer non-federal-aid system roads, shoulder improvements, traffic control devices and operating assistance other than signalization projects, intersection signalization projects at individual intersections, pavement marking demonstration, truck climbing lanes outside the urbanized area, lighting improvements, emergency truck pullovers										
Capacity Status: NCI		Exempt Category: Safety - Shoulder Improvements									
Est Total Cost: \$12,318											
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON	
SHOPP (AC)-Mobility	\$12,318				\$6,446	\$5,872				\$12,318	
TOTAL	\$12,318				\$6,446	\$5,872				\$12,318	

MPO ID: CAL46B							ADOPTION: 16-00			
Project Title:		Grouped Projects for Safety Improvements - SHOPP Collision Reduction (CR) Program								
Project Description:		Projects are consistent with 40 CFR Parts 93.126 and 93.127 Exempt Tables 2 and 3 categories -railroad/highway crossing, safer non-federal-aid system roads, shoulder improvements, traffic control devices and operating assistance other than signalization projects, intersection signalization projects at individual intersections, pavement marking demonstration, truck climbing lanes outside the urbanized area, lighting improvements, emergency truck pullovers								
Capacity Status:		NCI		Exempt Category: Safety - Pavement marking demonstration						
Est Total Cost: \$102,277										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
SHOPP - CR - NHS (AC)	\$59,003		\$11,027	\$19,460	\$20,236	\$8,280				\$59,003
SHOPP - CR - STP (AC)	\$23,483		\$8,830	\$7,722		\$6,931				\$23,483
SHOPP STP - Collision Reduction	\$19,791		\$19,791							\$19,791
TOTAL	\$102,277		\$39,648	\$27,182	\$20,236	\$15,211				\$102,277

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Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

Caltrans

MPO ID: CAL46D								ADOPTION: 16-00		
Project Title:		Grouped Projects for Bridge Preservation								
Project Description:		Projects are consistent with 40 CFR Part 93.126 Exempt Table 2 category - widening narrow pavements or reconstructing bridges (no additional lanes)								
		Capacity Status: NCI		Exempt Category: Safety - Non capacity widening or bridge reconstruction						
Est Total Cost: \$49,374										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
SHOPP (AC)-Brdg Presrv (HBP)	\$49,374		\$46,781				\$2,593			\$49,374
TOTAL	\$49,374		\$46,781				\$2,593			\$49,374

MPO ID: CAL46E								ADOPTION: 16-00		
Project Title:	Grouped Projects for Pavement Resurfacing and/or Rehabilitation - SHOPP Roadway Preservation Program									
Project Description:	Projects are consistent with 40 CFR Part 93.126 Exempt Table 2 categories – pavement resurfacing and/or rehabilitation, emergency relief (23 USC 125), widening narrow pavements or reconstructing bridges (no additional travel lanes)									
	Capacity Status: NCI		Exempt Category: Safety - Pavement resurfacing and/or rehabilitation							
Est Total Cost: \$130,205										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
SHOPP (AC)-Rdway Presrv NHS	\$130,205		\$50,878		\$34,904	\$44,423				\$130,205
TOTAL	\$130,205		\$50,878		\$34,904	\$44,423				\$130,205

MPO ID: CAL46I							ADOPTION: 16-00				
Project Title:	Grouped Projects for Safety Improvements - SHOPP Mandates Program										
Project Description:	Projects are consistent with 40 CFR Parts 93.126 and 93.127 Exempt Tables 2 and 3 categories -railroad/highway crossing, safer non-federal-aid system roads, shoulder improvements, traffic control devices and operating assistance other than signalization projects, intersection signalization projects at individual intersections, pavement marking demonstration, truck climbing lanes outside the urbanized area, lighting improvements, emergency truck pullovers, hazard elimination program										
Capacity Status: NCI		Exempt Category: Safety - Safety Improvement Program									
Est Total Cost: \$35,322											
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON	
SHOPP (AC)-Mandates	\$35,322		\$4,896	\$13,513	\$5,628	\$11,285				\$35,322	
TOTAL	\$35,322		\$4,896	\$13,513	\$5,628	\$11,285				\$35,322	

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

Caltrans

MPO ID: CAL67							ADOPTION: 16-00				
Project Title:		State Route 94 Corridor Improvements					EA NO: 28710				
Project Description:		In San Diego on SR 94 between I-805 and Downtown - engineering study for various corridor improvements to include Managed Lanes(ML)/Bus Rapid Transit(BRT) lanes and connectors between SR 94 and I-805; future phases are outside of RTIP cycle, but included in the long range Regional Plan					PPNO: T0770				
							RTP PG NO: A-5,A-16,B-30				
							SANDAG ID: 1280508				
RT:94		Capacity Status: NCI		Exempt Category: Other - Engineering studies							
Est Total Cost: \$32,600											
		TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - MC		\$12,600	\$11,946	\$654					\$12,600		
TCRP		\$20,000	\$10,000					\$10,000	\$20,000		
TOTAL		\$32,600	\$21,946	\$654				\$10,000	\$32,600		

MPO ID: CAL68							ADOPTION: 16-00				
Project Title:		SR 94/125 Southbound to Eastbound Connector					EA NO: 14665				
Project Description:		From SR 94 to SR125 - near La Mesa and Lemon Grove on SR 125 from Mariposa St to SR 94 and on SR 94 from SR 125 to Bancroft Dr. - Construct freeway connector, replace and widen bridges					PPNO: 0356				
							RTP PG NO: A-6				
							SANDAG ID: 1212501				
RT:94		Capacity Status: CI		Exempt Category: Non-Exempt							
Est Total Cost: \$63,962							Open to Traffic: Jan 2020				
		TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - MC		\$3,101	\$3,101						\$3,101		
State Cash		\$1,642	\$1,642							\$1,642	
TCRP		\$59,219	\$6,196				\$53,023		\$7,593	\$3,468	\$48,158
TOTAL		\$63,962	\$10,939				\$53,023		\$10,694	\$5,110	\$48,158
*CIP only includes a portion of TCRP funding											

MPO ID: CAL71							ADOPTION: 16-00				
Project Title:		I-5/SR 78					EA NO: 07890K				
Project Description:		In Carlsbad, on I-5 from Carlsbad Village Drive (formally Elm Street) undercrossing to California Street overcrossing, on SR 78 from I-5/SR 78 separation to Jefferson Street overcrossing - modify interchange, future construction of auxiliary lanes and direct connectors.. Toll Credits of \$1,000 will be used to match federal funds for the PE phase					RTP PG NO: A-7,18,19,B-32,33 EARMARK NO: 3206, 656				
RT:5		Capacity Status: NCI		Exempt Category: Other - Engineering to assess social, economic, and environmental effects of the proposed action or alternatives to that action							
Est Total Cost: \$4,989											
		TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
HPP		\$4,000	\$3,600	\$400					\$4,000		
STP		\$497	\$497						\$497		
STP - Sec 117		\$492	\$492						\$492		
TOTAL		\$4,989	\$4,589	\$400					\$4,989		

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

Caltrans

MPO ID: CAL75								ADOPTION: 16-00		
Project Title:		I-5 Genesee Interchange and Widening						EA NO: 0223U, 06500		
Project Description:		From Genesee Avenue to Sorrento Valley Overhead - reconstruct I-5 Genesee Bridge and interchange including ramps, retaining walls; add type 1 bicycle facility between Voigt and Sorrento Valley Road						PPNO: 0129P RTP PG NO: A-28,B-39 SANDAG ID: 1200506 EARMARK NO: 3086		
RT:5		Capacity Status: CI		Exempt Category: Non-Exempt						
Est Total Cost: \$116,435		Open to Traffic: Jun 2017								
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - MC	\$19,427	\$9,248	\$1,678	\$2,133	\$2,043	\$3,092	\$1,233	\$1,365	\$5,433	\$12,629
HPP	\$1,600	\$1,600						\$1,600		
RSTP	\$49,112	\$47,644	\$1,468					\$49,112		
Prop 1B - SLPP	\$8,000	\$8,000						\$8,000		
SHOPP (AC)-Mobility	\$12,987	\$12,987						\$2,467	\$500	\$10,020
Local Funds	\$10,198	\$10,198						\$10	\$1,688	\$8,500
TOTAL	\$101,324	\$89,677	\$1,678	\$2,133	\$3,511	\$3,092	\$1,233	\$3,842	\$7,621	\$89,861
*\$14.4M of City of San Diego contribution programmed under SD103; additional state funds of \$711K outside the RTIP										

MPO ID: CAL77								ADOPTION: 16-00			
Project Title:	I-5/I-8 Connector							EA NO: 00270, 00271			
Project Description:	On I-5 from 0.1 mile south of I-8 to 0.5 mile north of Tecolote Creek Bridge; also on I-8 from I-5 to 0.3 mile east of Morena Boulevard - Construct auxiliary lanes, widen connectors, and landscape mitigation (11-00271). Toll Credits of \$760 will be used to match federal funds for the PE phase, Toll Credits of \$554 will be used to match federal funds for the CON phase							PPNO: 0778			
								SANDAG ID: 1200505			
								EARMARK NO: CA643/3120			
RT:5	Capacity Status: CI		Exempt Category: Non-Exempt								
Est Total Cost: \$19,207 Open to Traffic: Oct 2015											
		TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - MC		\$1,860	\$1,795	\$65						\$1,860	
HPP		\$4,800	\$4,800				\$2,687			\$2,113	
IM		\$1,025	\$1,025				\$793			\$232	
SHOPP (AC)-Mobility		\$11,522	\$11,522				\$2,828			\$15	\$8,679
TOTAL		\$19,207	\$19,142	\$65			\$6,308			\$15	\$12,884
*Includes standalone SHOPP project for landscape mitigation - PPNO 0778A											

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

Caltrans

MPO ID: CAL78B							ADOPTION: 16-00			
Project Title:		I-805 HOV/Managed Lanes - North					EA NO: 08163, 2T200			
Project Description:		On I-805 from the I-805/SR 52 to Sorrento Valley, on SR 52 at the I-805/SR 52 separation - preliminary engineering for construction of managed lanes; design and construct Phase 1 - one High Occupancy Vehicle (HOV) lane in the median in each direction including the south facing Direct Access Ramps at Carroll Canyon Rd. Phase 1 Post Miles 23.7-27.6					PPNO: 0732 RTP PG NO: B-30 SANDAG ID: 1280503, 1280511			
RT:805		Capacity Status: CI		Exempt Category: Non-Exempt						
Est Total Cost: \$130,609							Open to Traffic: Sep 2016			
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - MC	\$24,968	\$15,116	\$2,136	\$639	\$1,307	\$5,770		\$11,259	\$3,728	\$9,981
CMAQ	\$61,870	\$61,870						\$1,000		\$60,870
RSTP	\$1,775	\$1,775						\$1,775		
Prop 1B - CMIA	\$40,638	\$40,638								\$40,638
Prop 1B - SLPP	\$1,358	\$1,358								\$1,358
TOTAL	\$130,609	\$120,757	\$2,136	\$639	\$1,307	\$5,770		\$14,034	\$3,728	\$112,847

MPO ID: CAL78C							ADOPTION: 16-00				
Project Title:		I-805 HOV/Managed Lanes - South					EA NO: 08161				
Project Description:		From Palomar Street to Landis Street - environmental document for I-805 widening in San Diego, Chula Vista, and National City from Palomar Street to State Route 94; design and construct 2 High Occupancy Vehicle (HOV) lanes in the median of I-805 including a Direct Access Ramp (DAR) at Palomar Street; design and construct one auxiliary lane on northbound I-805 from Grove Street to 16th Street in National City; design and construct one auxiliary lane on southbound I-805 from 20th Street to Plaza Boulevard in National City; design one HOV lane in each direction from Hilltop Drive to Landis Street and a direct HOV connector from I-805 to I-15. Toll Credits of \$1,587 will be used to match federal funds for the PE phase, Toll Credits of \$306 will be used to match federal funds for the ROW phase					PPNO: 0730 RTP PG NO: A-16,B-30,B-31 SANDAG ID: 1280501, 1280510, 1280514, 1280515				
RT:805		Capacity Status: CI		Exempt Category: Non-Exempt							
Est Total Cost: \$240,152							Open to Traffic: Phase 1: Feb 2016		Phase 2: Jun 2016		
		TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - MC		\$157,350	\$138,362	\$14,961	\$3,994	\$24	\$9		\$58,792	\$8,136	\$90,422
TransNet - Transit		\$42	\$42						\$42		
IM		\$975	\$975						\$975		
RSTP		\$24,674	\$21,179	\$3,495					\$22,272	\$2,402	
Prop 1B - CMIA		\$56,763	\$56,763								\$56,763
Local Funds		\$348	\$348						\$180		\$168
TOTAL		\$240,152	\$217,669	\$18,456	\$3,994	\$24	\$9		\$82,261	\$10,538	\$147,353

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Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

Caltrans

MPO ID: CAL105								ADOPTION: 16-00			
Project Title:	Grouped Projects for Highway Safety Improvement - HSIP Program										
Project Description:	Projects are consistent with 40 CFR Parts 93.126 and 93.127 Exempt Tables 2 and 3 categories - railroad/highway crossing, safer non-federal-aid system roads, shoulder improvements, traffic control devices and operating assistance other than signalization projects, intersection signalization projects at individual intersections, pavement marking demonstration, truck climbing lanes outside the urbanized area, lighting improvements, emergency truck pullovers										
	Capacity Status: NCI		Exempt Category: Safety - Safety Improvement Program								
Est Total Cost: \$9,414											
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON	
HSIP	\$9,011	\$104	\$5,551	\$3,357						\$9,011	
Local Funds	\$403	\$1	\$92	\$311						\$403	
TOTAL	\$9,414	\$105	\$5,643	\$3,668						\$9,414	

MPO ID: CAL114			ADOPTION: 16-00							
Project Title:	I-5/SR 56 Interchange						EA NO: 17790			
Project Description:	At I-5/SR 56 interchange - in San Diego, construct freeway to freeway interchange, associated operational improvements, and the relocation of the fiber optic cable line; future phases are outside of TIP cycle but included in the long range plan. Phase I – To construct one additional auxiliary lane in the east and westbound directions on SR-56 from El Camino Real to Carmel Country Rd. Phase II – Construct the west to north connector, extend the NB I-5 local bypass, and reconstruct the Del Mar Heights O.C. Phase III - Construct the south to east connector, extend the SB I-5 local bypass, and construct the Carmel Creek Dr. slip ramp						RTP PG NO: A-7,19,33,39,40,B-33 SANDAG ID: 1200503			
RT:5	Capacity Status: CI		Exempt Category: Non-Exempt							
Est Total Cost: \$18,963			Open to Traffic: Phase 1: Jan 2026		Phase 2: Jan 2035		Phase 3: Jan 2035			
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - MC	\$1,729	\$452	\$7	\$158	\$357	\$756		\$1,729		
CBI	\$1,942	\$1,942						\$1,942		
DEMO - Sec 115	\$1,000	\$1,000						\$1,000		
DEMO - TEA 21	\$375	\$375						\$375		
HPP	\$5,659	\$5,659						\$5,659		
IM	\$1,928	\$1,928						\$1,928		
STP	\$2,952	\$2,952						\$2,952		
STP - Sec 112	\$396	\$396						\$396		
Local Funds	\$909	\$909						\$909		
TOTAL	\$16,890	\$15,613	\$7	\$158	\$357	\$756		\$16,890		
*State contributed \$2.073M in additional funds outside of the RTIP										

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

Caltrans

MPO ID: CAL120							ADOPTION: 16-00			
Project Title:	SR-78 Auxiliary Lanes & Nordahl Road Bridge at SR-78						EA NO: 29310			
Project Description:	SR 78 from I-15 to Nordahl Road -, Nordahl Road from Mission Avenue to Montiel Road - cities of Escondido and San Marcos, Phase 1: widen southbound I-15 to westbound SR 78 ramp; construct westbound auxiliary lane on SR 78; widen westbound SR 78 off ramp to Nordahl Road. On Nordahl Road from Mission Road to Montiel Road, Phase 2: Replace the Nordahl Road Overcrossing to increase clearance and provide additional 14-feet of structure width necessary to facilitate the required construction staging of the project. The additional width of the overcrossing will accommodate operational improvements through left-turn storage at the ramp intersections; widen Nordahl Road to provide a dedicated right-turn lane onto Montiel Road						RTP PG NO: A-5 SANDAG ID: 1201510			
Capacity Status: CI		Exempt Category: Non-Exempt								
Est Total Cost: \$24,220 Open to Traffic: Phase 1: Jan 2012 Phase 2: Nov 2012										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - MC	\$12,099	\$11,687	\$83	\$329				\$1,666		\$10,433
DEMO - TEA 21	\$578	\$578								\$578
HSIP	\$827	\$827								\$827
TCSP	\$500	\$500								\$500
SHOPP Augmentation - Mobility	\$3,905	\$3,905							\$90	\$3,815
SHOPP-State Cash-Mobility	\$200	\$200							\$200	
TOTAL	\$18,109	\$17,697	\$83	\$329				\$1,666	\$290	\$16,153
*Joint project with the cities of San Marcos (SM47) and Escondido (ESC13)										

MPO ID: CAL194								ADOPTION: 16-00		
Project Title:	Grouped Projects for Pavement Resurfacing and/or Rehabilitation on the State Highway System - Highway Maintenance Program									
Project Description:	Projects are consistent with 40 CFR Parts 93.126 and 93.127 Exempt Tables 2 and 3 categories -pavement resurfacing and/or rehabilitation - Project listing for Pavement resurfacing and/or rehabilitation on the State Highway System - Highway Maintenance									
Capacity Status: NCI		Exempt Category: Safety - Pavement resurfacing and/or rehabilitation								
Est Total Cost: \$1,951										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
Highway Maintenance - NHS	\$1,951		\$1,951							\$1,951
TOTAL	\$1,951		\$1,951							\$1,951

MPO ID: CAL278								ADOPTION: 16-00		
Project Title:		SR78 HOV/Managed Lanes						EA NO: 2T240		
Project Description:		SR-78 from Post Mile 0.0 to R16.54 - PSR for SR-78 HOV and corridor improvements						RTP PG NO: A.2 16 SANDAG ID: 1207801		
RT:78		Capacity Status: NCI		Exempt Category: Other - Engineering studies						
Est Total Cost: \$1,683										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - MC		\$1,683	\$1,682	\$1				\$1,683		
TOTAL		\$1,683	\$1,682	\$1				\$1,683		

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Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

Caltrans

MPO ID: CAL325								ADOPTION: 16-00			
Project Title:		State Routes 905/125/11 Northbound Connectors						EA NO: 28881			
Project Description:		Westbound SR-905 north of Siempre Viva Rd.; Eastbound SR-905 east of La Media Rd.; and Westbound SR-11 west of Enrico Fermi Dr. - on westbound SR-905 north of Siempre Viva Rd., on eastbound SR-905 east of La Media Rd., on westbound SR-11 west of Enrico Fermi Dr., advance design of northbound connectors to SR-125 from eastbound SR-905, westbound SR-905, and westbound SR-11. Toll Credits of \$104 will be used to match federal funds for the ROW phase, Toll Credits of \$342 will be used to match federal funds for the CON phase						RTP PG NO: A-17 SANDAG ID: 1390504			
RT:905		Capacity Status: CI		Exempt Category: Non-Exempt							
Est Total Cost: \$26,157			Open to Traffic: Dec 2016								
		TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - Border		\$2,700	\$2,696	\$4					\$2,700		
CBI		\$3,436	\$3,436							\$800	\$2,636
Prop 1B - TCIF		\$20,021	\$20,021								\$20,021
TOTAL		\$26,157	\$26,153	\$4					\$2,700	\$800	\$22,657

MPO ID: CAL325A								ADOPTION: 16-00		
Project Title:		State Routes 905/125/11 Southbound Connectors.						EA NO: 28882		
Project Description:		Southbound SR 125 to southbound SR 905 and southbound SR 125 to eastbound SR 11 - in San Diego County, in and near San Diego at Route 905/125/11 separation, construct southbound connectors from State Route 125 to SR 905 and SR 11						RTP PG NO: A-7,B-33 SANDAG ID: 1390505		
RT:905		Capacity Status: CI		Exempt Category: Non-Exempt						
Est Total Cost: \$68,947		Open to Traffic: Mar 2020								
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
SHOPP Augmentation - Mobility	\$49,747		\$49,747							\$49,747
Loc Funds - Toll Funds	\$19,200	\$3,506	\$3,017	\$1,802	\$4,876	\$4,867	\$1,132	\$7,200	\$300	\$11,700
TOTAL	\$68,947	\$3,506	\$3,017	\$51,549	\$4,876	\$4,867	\$1,132	\$7,200	\$300	\$61,447

MPO ID: CAL398A								ADOPTION: 16-00		
Project Title:		In the City of San Diego - La Jolla Village Drive to Genesee Avenue						EA NO: 2T215		
								PPNO: 1136		
Project Description:		From La Jolla Village Drive to Genesee Avenue - In the city of San Diego, from north of La Jolla Village Drive to south of Genesee Avenue, on southbound. Construct a one-half mile auxiliary lane. Post Miles: R28.6/R29.3						RTP PG NO: A-5,16,31,38,B-30		
								SANDAG ID: 1200507		
RT:5		Capacity Status: CI		Exempt Category: Non-Exempt						
Est Total Cost: \$6,750		Open to Traffic: Oct 2019								
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
SHOPP (AC)-Mobility	\$6,750		\$6,750					\$1,000		\$5,750
TOTAL	\$6,750		\$6,750					\$1,000		\$5,750
*Environmental Clearance completed under I-5/Genesee project (CAL75); RTIP \$4M T-2 programmed on CAL 369										

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Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

Caltrans

MPO ID: CAL436							ADOPTION: 16-00			
Project Title: SR 52/Gilman Drive							EA NO: 42010			
Project Description: From Route 52 to Gilman Drive - In the city of San Diego, along I-5 from Route 52 to Gilman Drive (PM R25.9/R26.8). Construct Auxiliary lane.							PPNO: 1137			
RT:5 Capacity Status: CI Exempt Category: Non-Exempt										
Est Total Cost: \$9,701							Open to Traffic: Jul 2018			
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
SHOPP (AC)-Mobility	\$9,701			\$9,701				\$1,400	\$268	\$8,033
TOTAL	\$9,701			\$9,701				\$1,400	\$268	\$8,033

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

Carlsbad, City of

MPO ID: CB04A								ADOPTION: 16-00		
Project Title:	El Camino Real Widening - Tamarack Avenue to Chestnut Avenue							RTP PG NO: B-34		
Project Description:	El Camino Real from Tamarack Ave. to Chestnut Ave. - In Carlsbad, widen El Camino Real to prime arterial standards with three travel lanes, bike lanes and sidewalks in each direction including intersection improvements at Tamarack Avenue and Chestnut Avenue							RAS (M-38) <i>TransNet</i> - LSI: CR		
Capacity Status: CI			Exempt Category: Non-Exempt							
Est Total Cost: \$12,374 Open to Traffic: Sep 2016										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
<i>TransNet</i> - LSI Carry Over	\$3,951	\$1,965	\$1,986							\$3,951
Local Funds	\$3,851	\$3,851						\$1,225	\$60	\$2,566
Local RTCIP	\$4,572	\$4,572								\$4,572
TOTAL	\$12,374	\$10,388	\$1,986					\$1,225	\$60	\$11,089

MPO ID: CB04B								ADOPTION: 16-00		
Project Title:	El Camino Real and Cannon Road							RTP PG NO: B-34		
Project Description:	El Camino Real and Cannon Road - In Carlsbad, along the east/north-bound side of El Camino Real just south of Cannon Road; widen to provide three through lanes, a right turn lane and a sidewalk approaching the intersection with Cannon Road							RAS (M-38)		
Capacity Status: CI		Exempt Category: Non-Exempt								
Est Total Cost: \$2,049 Open to Traffic: Jun 2018										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
Local Funds	\$2,049	\$849	\$1,200					\$325		\$1,724
TOTAL	\$2,049	\$849	\$1,200					\$325		\$1,724

MPO ID: CB12								ADOPTION: 16-00		
Project Title:	College Boulevard Reach A							RTP PG NO: B-34		
Project Description:	College Boulevard from Badger Lane to Cannon Road - in Carlsbad, from Badger Lane to Cannon Road, construct a new segment of College Blvd. to provide 4-lane roadway with raised median, bike lanes and sidewalks/trails in accordance with Major Arterial standards							RAS (M-38)		
Capacity Status: CI		Exempt Category: Non-Exempt								
Est Total Cost: \$11,952 Open to Traffic: Jun 2018										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
Local Funds	\$11,952	\$2,774	\$5,178	\$4,000				\$2,774		\$9,178
TOTAL	\$11,952	\$2,774	\$5,178	\$4,000				\$2,774		\$9,178

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

Carlsbad, City of

MPO ID: CB13								ADOPTION: 16-00		
Project Title:		Poinsettia Lane Reach E						RTP PG NO: B-34		
Project Description:		Poinsettia Lane from Cassia Drive to Skimmer Court - construct a new 4-lane roadway with median, bike lanes, and sidewalks/trails to major arterial standards						EARMARK NO: CA366, CA517 RAS (M-38)		
Capacity Status: CI		Exempt Category: Non-Exempt								
Est Total Cost: \$13,136			Open to Traffic: Jun 2018							
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
HPP	\$1,436		\$1,436							\$1,436
Local Funds	\$11,700	\$1,260	\$8,740	\$1,700				\$1,260		\$10,440
TOTAL	\$13,136	\$1,260	\$10,176	\$1,700				\$1,260		\$11,876

MPO ID: CB17							ADOPTION: 16-00				
Project Title:	Carlsbad Blvd. Bridge over Encina Power Station						RAS (M-38)				
Project Description:	Carlsbad Blvd. from Encina Power Plant to Warm water outfall channel - In Carlsbad, Carlsbad Blvd bridge over the Encina Power Plant warm water discharge channel, upgrade bridge railings on the bridge, (local match to HBP funding)						TransNet - LSI: CR				
Capacity Status: NCI		Exempt Category: Safety - Guardrails, median barriers, crash cushions									
Est Total Cost: \$223											
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON	
TransNet - L (Cash)	\$8	\$8						\$8			
TransNet - LSI Carry Over	\$215		\$215						\$25		\$190
TOTAL	\$223	\$8	\$215						\$33		\$190

MPO ID: CB20							ADOPTION: 16-00			
Project Title:	Pavement Management - Overlay						RAS (M-38)			
Project Description:	Street locations by year as follows: FY 16/17 roadways - Haymar Drive, College Boulevard, Avenida Encinas and El Camino Real. FY17/18 El Camino Real, Rancho Santa Fe and El Fuerte Street. FY 18/19 - Palomar Airport Road, Carlsbad Village Drive, Pio Pico. FY's 19/20- FY 20/21 have not been modeled and therefore the streets have not been identified. - In Carlsbad, on various streets throughout the City, pavement overlay 1 inch or greater and miscellaneous roadway section spot repairs.						TransNet - LSI: CR			
Capacity Status: NCI		Exempt Category: Safety - Pavement resurfacing and/or rehabilitation								
Est Total Cost: \$34,250										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - L (Cash)	\$946	\$946								\$946
TransNet - LSI	\$5,651			\$1,500	\$448	\$753	\$2,950			\$5,651
TransNet - LSI (Cash)	\$1,531	\$34	\$1,497							\$1,531
TransNet - LSI Carry Over	\$5,423	\$5,420	\$3							\$5,423
Local Funds	\$20,699	\$13,100	\$1,450	\$1,450	\$2,502	\$2,197				\$20,699
TOTAL	\$34,250	\$19,500	\$2,950	\$2,950	\$2,950	\$2,950	\$2,950			\$34,250

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

Carlsbad, City of

MPO ID: CB21								ADOPTION: 16-00		
Project Title:	Pavement Management -Seal									
Project Description:	Various minor/local roadways within each area encompassed by the streets included in the overlay program for that year - In Carlsbad, along various roadways construct/apply street sealing and construct minor roadway pavement section repairs.									
Capacity Status: NCI			Exempt Category: Safety - Pavement resurfacing and/or rehabilitation							
Est Total Cost: \$7,550										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
Local Funds	\$7,550	\$3,800	\$750	\$750	\$750	\$750	\$750			\$7,550
TOTAL	\$7,550	\$3,800	\$750	\$750	\$750	\$750	\$750			\$7,550

MPO ID: CB22							ADOPTION: 16-00			
Project Title:		Avenida Encinas - Widen from Palomar Airport Road to Embarcadero Lane					RTP PG NO: B-34			
Project Description:		Avenida Encinas from Palomar Airport Rd. to Embarcadero Lane - In Carlsbad, Avenida Encinas from Palomar Airport Road southerly to existing improvements adjacent to the Embarcadero Lane; roadway widening and parkway construction/improvements.								
Capacity Status: CI		Exempt Category: Non-Exempt								
Est Total Cost: \$5,402 Open to Traffic: Jun 2019										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
Local Funds	\$5,402	\$2,605	\$51	\$1,746	\$1,000			\$400	\$60	\$4,942
TOTAL	\$5,402	\$2,605	\$51	\$1,746	\$1,000			\$400	\$60	\$4,942

MPO ID: CB31								ADOPTION: 16-00		
Project Title:	El Camino Real Widening - La Costa Avenue to Arenal Road							RTP PG NO: B-35		
Project Description:	El Camino Real from La Costa Ave to Arenal Rd. - In Carlsbad, along El Camino Real from 700 feet north of La Costa Avenue to Arenal Road, widening along the southbound side of the roadway to provide three travel lanes and a bike lane in accordance with Prime Arterial Standards							RAS (M-38)		
Capacity Status: CI		Exempt Category: Non-Exempt								
Est Total Cost: \$2,550 Open to Traffic: Jun 2018										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
Local Funds	\$1,925		\$1,925							\$1,925
Local RTCIP	\$625	\$625						\$625		
TOTAL	\$2,550	\$625	\$1,925					\$625		\$1,925

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

Carlsbad, City of

MPO ID: CB32							ADOPTION: 16-00			
Project Title:	El Camino Real Widening - Cassia to Camino Vida Roble							RTP PG NO: B-35		
Project Description:	El Camino Real from Cassia Road to Camino Vida Roble - In Carlsbad, widen El Camino Real from 900 feet north of Cassia Road to Camino Vida Roble, along the northbound/east side of the roadway to provide three travel lanes and a bike lane in accordance with Prime Arterial standards							RAS (M-38) <i>TransNet</i> - LSI: CR		
Capacity Status: CI		Exempt Category: Non-Exempt								
Est Total Cost: \$2,820 Open to Traffic: Dec 2018										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
<i>TransNet</i> - LSI	\$60			\$60						\$60
<i>TransNet</i> - LSI Carry Over	\$2,760		\$325	\$2,435				\$425	\$1,350	\$985
TOTAL	\$2,820		\$325	\$2,495				\$425	\$1,350	\$1,045

MPO ID: CB34								ADOPTION: 16-00		
Project Title:	Palomar Airport Road and Paseo Del Norte Right Turn Lane							RTP PG NO: B-35		
Project Description:	Palomar Airport Road between I-5 and Paseo Del Norte - widening along eastbound Palomar Airport Road to provide a dedicated right turn lane to southbound Paseo Del Norte							RAS (M-38) <i>TransNet</i> - LSI: CR		
Capacity Status: CI		Exempt Category: Non-Exempt								
Est Total Cost: \$564		Open to Traffic: Dec 2017								
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
<i>TransNet</i> - LSI Carry Over	\$451		\$451							\$451
Local Funds	\$113	\$113						\$64		\$49
TOTAL	\$564	\$113	\$451					\$64		\$500

MPO ID: CB35								ADOPTION: 16-00			
Project Title:	Palomar Airport Road and Paseo Del Norte Left Turn Lane							RTP PG NO: B-35			
Project Description:	Palomar Airport Road between I-5 and Paseo Del Norte - lengthen the left turn pocket along eastbound Palomar Airport Road to northbound Paseo Del Norte							RAS (M-38)			
								<i>TransNet</i> - LSI: CR			
	Capacity Status: CI		Exempt Category: Non-Exempt								
Est Total Cost: \$233 Open to Traffic: Dec 2017											
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON	
<i>TransNet</i> - LSI Carry Over	\$233		\$233					\$30		\$203	
TOTAL	\$233		\$233					\$30		\$203	

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

Carlsbad, City of

MPO ID: CB36							ADOPTION: 16-00			
Project Title:	Carlsbad Boulevard Realignment						RAS (M-38)			
Project Description:	Carlsbad Boulevard from Palomar Airport Road to City limit - In Carlsbad, from Palomar Airport Road to the southerly City limit, study the realignment of Carlsbad Blvd including the relocation of the southbound lanes of Carlsbad Blvd to the east and the construction of complete street and multi use trail improvements along the coastal corridor.						TransNet - LSI: CR			
Capacity Status: NCI		Exempt Category: Other - Engineering studies								
Est Total Cost: \$5,994										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - LSI	\$3,464	\$1,967	\$672	\$574	\$251			\$3,464		
TransNet - LSI Carry Over	\$1,033	\$1,033						\$1,033		
TOTAL	\$4,497	\$3,000	\$672	\$574	\$251			\$4,497		
*\$1.497M programmed on CB20										

MPO ID: CB37							ADOPTION: 16-00				
Project Title:		El Camino Real and College Blvd. Intersection Improvements						RAS (M-38)			
Project Description:		El Camino Real from El Camino Real to College Blvd - In Carlsbad, on El Camino Real, improve El Camino Real along the southbound approach to the intersection with College Blvd. to provide three thru lanes and a signal controlled right turn lane.									
Capacity Status: NCI		Exempt Category: Other - Intersection channelization projects									
Est Total Cost: \$515											
		TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
Local Funds		\$515		\$515					\$71	\$34	\$410
TOTAL		\$515		\$515					\$71	\$34	\$410

MPO ID: CB43							ADOPTION: 16-00			
Project Title:	ADA Improvements						TransNet - LSI: CR			
Project Description:	Roadways in the northwest quadrant of the City of Carlsbad adjacent to public facilities including: Carlsbad Blvd, State Street, Roosevelt Street, Carlsbad Village Drive, Oak Ave., Chestnut Ave, Harding Street - In Carlsbad, various roadways in the northwest quadrant of the City of Carlsbad,construct Priority Level 1 and Priority Level 2 ADA Improvements per the City of Carlsbad Transition Plan for Public Rights-of-way									
	Capacity Status: NCI		Exempt Category: Safety - Safety Improvement Program							
Est Total Cost: \$1,670										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - LSI	\$250				\$250			\$25		\$225
TransNet - LSI Carry Over	\$1,420	\$20	\$730	\$500		\$170		\$150		\$1,270
TOTAL	\$1,670	\$20	\$730	\$500	\$250	\$170		\$175		\$1,495

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

Carlsbad, City of

MPO ID: CB44			ADOPTION: 16-00							
Project Title:	Traffic Signal - RAMS							RAS (M-38)		
Project Description:	Management System for Arterial roadways throughout the City of Carlsbad and the County - City of Carlsbad annual operations and maintenance cost share for the Regional Arterial Management System, (RAMS). <i>TransNet</i> - LSI RAMS of \$12 is programmed in FY 2017, <i>TransNet</i> - LSI RAMS of \$12 is programmed in FY 2018							<i>TransNet</i> - LSI: CR		
Capacity Status: NCI			Exempt Category: Other - Traffic signal synchronization projects							
Est Total Cost: \$59										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
<i>TransNet</i> - LSI	\$59	\$35	\$12	\$12				\$59		
TOTAL	\$59	\$35	\$12	\$12				\$59		

MPO ID: CB46			ADOPTION: 16-00							
Project Title:	Terra Mar Area Complete Street Improvements - Cannon Road							RAS (M-38)		
Project Description:	Cannon Road from Carlsbad Blvd to Avenida Encinas - Construct complete street improvements including the reconfiguration of the curblane and the addition of medians, pedestrian crossings and parkway improvements.							<i>TransNet</i> - LSI: CR		
Capacity Status: NCI			Exempt Category: Other - Transportation enhancement activities							
Est Total Cost: \$1,000										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
<i>TransNet</i> - LSI	\$1,000		\$1,000					\$100		\$900
TOTAL	\$1,000		\$1,000					\$100		\$900

MPO ID: CB47			ADOPTION: 16-00							
Project Title:	Carlsbad Village Drive and Grand Avenue Improvements							RAS (M-38)		
Project Description:	Carlsbad Village Drive and Grand Avenue from Washington Street to State Street - provide mid block pedestrian crossing improvements and sidewalk/parkway improvements at the approaches to the railroad track crossings.							<i>TransNet</i> - LSI: CR		
Capacity Status: NCI			Exempt Category: Safety - Safety Improvement Program							
Est Total Cost: \$1,320										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
<i>TransNet</i> - LSI	\$1,320				\$1,320			\$150		\$1,170
TOTAL	\$1,320				\$1,320			\$150		\$1,170

MPO ID: CB48			ADOPTION: 16-00							
Project Title:	Chestnut Avenue Complete Street Improvements Valley Street to I-5							<i>TransNet</i> - LSI: CR		
Project Description:	Chestnut Avenue from Valley Street to I-5 - complete street improvements including sidewalk improvements and traffic calming features such as bulb outs and medians.									
Capacity Status: NCI			Exempt Category: Other - Transportation enhancement activities							
Est Total Cost: \$1,080										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
<i>TransNet</i> - LSI Carry Over	\$1,080			\$1,080				\$125		\$955
TOTAL	\$1,080			\$1,080				\$125		\$955

Tuesday, September 20, 2016

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

Carlsbad, City of

MPO ID: CB49								ADOPTION: 16-00		
Project Title:		Kelly Drive and Park Drive Complete Street Improvements						TransNet - LSI: CR		
Project Description:		Kelly Drive and Park Drive from El Camino Real to Neblina Drive - complete street improvements including new curblines, sidewalk and multi use trail improvements and traffic calming features such as bulb outs and medians.								
		Capacity Status: NCI		Exempt Category: Other - Transportation enhancement activities						
Est Total Cost: \$3,875										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - LSI Carry Over		\$3,875		\$2,360		\$1,515		\$390		\$3,485
TOTAL		\$3,875		\$2,360		\$1,515		\$390		\$3,485

MPO ID: CB50								ADOPTION: 16-00		
Project Title:		Valley Street Complete Street Improvements						TransNet - LSI: CR		
Project Description:		Valley Street from Chestnut Avenue to Buena Vista Way - improve the right of way to include pedestrian crossings, curblin bulbouts, parking and bike lanes.								
		Capacity Status: NCI		Exempt Category: Air Quality - Bicycle and pedestrian facilities						
Est Total Cost: \$1,645										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - LSI		\$1,645				\$1,645		\$200		\$1,445
TOTAL		\$1,645				\$1,645		\$200		\$1,445

MPO ID: CB51								ADOPTION: 16-00		
Project Title:		Adaptive Traffic Signal Program						RAS (M-38)		
Project Description:		Aviara Parkway - Poinsettia to Palomar Airport Road, Cannon Road - I-5 to Faraday and Rancho Santa Fe - Calle Barcelona to San Elijo. - In Carlsbad, along Aviara Parkway, Cannon Road and Rancho Santa Fe Road, construct fiber optic communications upgrades and install traffic measuring systems and adaptive signal control systems to implement adpative traffic signal control along these roadways.						TransNet - LSI: CR		
		Capacity Status: NCI		Exempt Category: Other - Traffic signal synchronization projects						
Est Total Cost: \$1,200										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - LSI Carry Over		\$1,200		\$1,200						\$1,200
TOTAL		\$1,200		\$1,200						\$1,200

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

Carlsbad, City of

MPO ID: CB52							ADOPTION: 16-00			
Project Title:	Carlsbad Village and Barrio Traffic Circles						TransNet - LSI: CR			
Project Description:	Includes the following intersections: 1)Oak and Roosevelt, 2)Oak and Harding, 3)Pine and Harding, 4) Walnut and Roosevelt, 5)Walnut and Madison, 6)Chesnut and Roosevelt, 7)Chestnut and Madison, 8)Chestnut and Harding, and 9)Magnolia and Madison - In Carlsbad, at nine intersection locations in the Village and Barrio, construct medians and traffic circles at key intersections to calm traffic.									
	Capacity Status: NCI		Exempt Category: Safety - Adding medians							
Est Total Cost: \$1,500										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - LSI Carry Over	\$1,025		\$145	\$440	\$440			\$120		\$905
Local Funds	\$475		\$355	\$60	\$60			\$60		\$415
TOTAL	\$1,500		\$500	\$500	\$500			\$180		\$1,320

MPO ID: CB53								ADOPTION: 16-00		
Project Title:	Carlsbad Blvd. Pedestrian Roadway Lighting							RAS (M-38)		
Project Description:	Carlsbad Blvd. from State Street to Tamarack Avenue - install pedestrian roadway lighting.							TransNet - LSI: CR		
Capacity Status: NCI		Exempt Category: Safety - Lighting improvements								
Est Total Cost: \$1,325										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - LSI Carry Over	\$1,325		\$610	\$715				\$100		\$1,225
TOTAL	\$1,325		\$610	\$715				\$100		\$1,225

MPO ID: CB54							ADOPTION: 16-00				
Project Title:	State Street Improvements at Northwest Corner with Grand Avenue							TransNet - LSI: CR			
Project Description:	State Street from Grand Avenue to Christiansen Avenue - widen the roadway to accommodate additional on street parking, close driveway access and reconstruction of the parkway to conform with the new curbline.										
	Capacity Status: NCI		Exempt Category: Other - Transportation enhancement activities								
Est Total Cost: \$325											
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON	
TransNet - LSI Carry Over	\$325		\$325					\$50		\$275	
TOTAL	\$325		\$325					\$50		\$275	

MPO ID: CB55							ADOPTION: 16-00			
Project Title:		Christiansen Avenue Improvements					TransNet - LSI: CR			
Project Description:		Christiansen Avenue from Washington Street to Carlsbad Blvd. - construct new curbline, sidewalk and parkway improvements.								
Capacity Status:		NCI		Exempt Category: Other - Transportation enhancement activities						
Est Total Cost: \$310										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - LSI Carry Over		\$310		\$310				\$60		\$250
TOTAL		\$310		\$310				\$60		\$250

Tuesday, September 20, 2016

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

Carlsbad, City of

MPO ID: CB56							ADOPTION: 16-00				
Project Title:		Chestnut Avenue Complete Street Improvements - I-5 to the Railroad						TransNet - LSI: CR			
Project Description:		Chestnut Avenue from I-5 to Railroad - prepare a project study report to identify the scope of work for the construction of complete street improvements including traffic calming and pedestrian improvements.									
		Capacity Status: NCI		Exempt Category: Other - Engineering studies							
Est Total Cost: \$85											
		TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - LSI Carry Over		\$85		\$85					\$85		
TOTAL		\$85		\$85					\$85		

MPO ID: CB58								ADOPTION: 16-00		
Project Title:	Street Light Bulb Replacement Program							RAS (M - 38)		
Project Description:	All streets with public street lights throughout the City. - In Carlsbad, on the streets throughout the City, replace light bulbs with LED bulbs.							TransNet - LSI: Maint		
Capacity Status: NCI		Exempt Category: Safety - Lighting improvements								
Est Total Cost: \$3,645										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - LSI	\$3,645		\$1,170	\$825	\$825	\$825		\$300		\$3,345
TOTAL	\$3,645		\$1,170	\$825	\$825	\$825		\$300		\$3,345

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

Chula Vista, City of

MPO ID: CHV06								ADOPTION: 16-00		
Project Title:		Pavement Rehabilitation Program						TransNet - LSI: Maint		
Project Description:		Citywide - AC overlay, chip seals and slurry seal rehabilitation, pavement repairs as well as implementation of the City's pavement management system and pavement inspection.								
		Capacity Status: NCI		Exempt Category: Safety - Pavement resurfacing and/or rehabilitation						
Est Total Cost: \$24,815										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - L	\$15,900	\$15,900						\$3,250		\$12,650
TransNet - L (Cash)	\$6,304	\$6,304						\$1,300		\$5,004
TransNet - LSI	\$943			\$70	\$111	\$361	\$401	\$381		\$562
TransNet - LSI Carry Over	\$668	\$377	\$291					\$668		
Local Funds	\$1,000	\$1,000						\$160		\$840
TOTAL	\$24,815	\$23,581	\$291	\$70	\$111	\$361	\$401	\$5,759		\$19,056

MPO ID: CHV08								ADOPTION: 16-00		
Project Title:		Willow Street Bridge Project						RTP PG NO: B-34, B-35		
Project Description:		Willow Street from Bonita Road to Sweetwater Road - replace two lane bridge with four lane bridge						RAS (M-39)		
		Capacity Status: CI		Exempt Category: Non-Exempt						
Est Total Cost: \$29,151 Open to Traffic: Phase 1: Nov 2015 Phase 2: Dec 2017										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - L (Cash)	\$75	\$75						\$75		
HBP	\$24,873	\$7,175	\$17,698					\$3,566	\$3,609	\$17,698
HBRR	\$500	\$500						\$500		
Local Funds	\$3,484	\$1,190	\$2,293					\$723	\$468	\$2,293
Local RTCIP	\$219	\$219						\$219		
TOTAL	\$29,151	\$9,159	\$19,991					\$5,083	\$4,077	\$19,991

MPO ID: CHV22								ADOPTION: 16-00		
Project Title:	Advance Planning Studies							TransNet - LSI: Maint		
Project Description:	Citywide - study GIS-based infrastructure deficiency database for pavement and street improvements; planning rehabilitation programs; prepare Capital Improvement Program related to street improvements									
	Capacity Status: NCI		Exempt Category: Other - Engineering studies							
Est Total Cost: \$1,775										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - L	\$375	\$375						\$375		
TransNet - L (Cash)	\$114	\$114						\$114		
TransNet - LSI	\$523	\$233	\$51	\$60	\$60	\$60	\$60	\$523		
TransNet - LSI (Cash)	\$16	\$16						\$16		
TransNet - LSI Carry Over	\$162	\$134	\$28					\$162		
Local Funds	\$585	\$585						\$585		
TOTAL	\$1,775	\$1,457	\$79	\$60	\$60	\$60	\$60	\$1,775		

Tuesday, September 20, 2016

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

Chula Vista, City of

MPO ID: CHV30							ADOPTION: 16-00			
Project Title:		I-5 Multi-Modal Corridor Improvement Study					PPNO: 09CA013			
Project Description:		On I-5 between SR 54 and Main Street interchange - conduct a study to examine multi-modal improvements to the I-5 corridor between the Main Street Interchange and State Route 54					EARMARK NO: CA3482, CA677 TransNet - LSI: CR			
Capacity Status: NCI		Exempt Category: Other - Engineering studies								
Est Total Cost: \$2,870										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - L	\$50	\$50						\$50		
TransNet - L (Cash)	\$14	\$14						\$14		
TransNet - LSI	\$100	\$100						\$100		
TransNet - LSI Carry Over	\$497	\$300	\$197					\$497		
HPP	\$1,987	\$1,987						\$1,987		
TCSP	\$222	\$222						\$222		
TOTAL	\$2,870	\$2,673	\$197					\$2,870		

MPO ID: CHV33				ADOPTION: 16-00						
Project Title:	School Zone Traffic Calming Program							TransNet - LSI: Maint		
Project Description:	Citywide - field identification and installation/ construction of traffic calming devices in public school zones, such as traffic control devices (for example, flashing beacons), signs, striping and minor street improvements									
Capacity Status: NCI				Exempt Category: Safety - Non signalization traffic control and operating						
Est Total Cost: \$2,251										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - L	\$280	\$280						\$280		
TransNet - L (Cash)	\$232	\$232						\$232		
TransNet - LSI	\$762	\$165	\$233	\$154	\$70	\$70	\$70	\$762		
TransNet - LSI Carry Over	\$927	\$386	\$542					\$927		
Local Funds	\$50	\$50						\$50		
TOTAL	\$2,251	\$1,113	\$775	\$154	\$70	\$70	\$70	\$2,251		

MPO ID: CHV34			ADOPTION: 16-00							
Project Title:	Neighborhood Traffic and Pedestrian Safety Program							TransNet - LSI: Maint		
Project Description:	Citywide - provide community outreach and education regarding traffic/ safety hazards; install and construct traffic calming and pedestrian safety measures; prepare plans to recommend pedestrian safety improvements and ADA compliance									
Capacity Status: NCI			Exempt Category: Safety - Non signalization traffic control and operating							
Est Total Cost: \$2,604										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - L	\$280	\$280						\$280		
TransNet - LSI	\$1,215	\$65		\$400	\$250	\$250	\$250	\$1,215		
TransNet - LSI Carry Over	\$1,039	\$609	\$430					\$1,039		
Local Funds	\$70	\$70						\$70		
TOTAL	\$2,604	\$1,024	\$430	\$400	\$250	\$250	\$250	\$2,604		

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

Chula Vista, City of

MPO ID: CHV35								ADOPTION: 16-00		
Project Title:	Traffic Signing, Studies and Signal Upgrade							TransNet - LSI: Maint		
Project Description:	Upgrade of signals located at Fourth Ave. and Beyer Blvd., Fourth Ave. and Main Street at Third Avenue and Montgomery Street and other locations - annual program to prioritize Traffic Signing and Striping CIP projects including upgrading and maintaining traffic signal and streetlight systems									
Capacity Status: NCI		Exempt Category: Other - Intersection signalization projects								
Est Total Cost: \$4,944										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - L	\$135	\$135						\$135		
TransNet - L (Cash)	\$24	\$24								\$24
TransNet - LSI	\$1,731	\$187	\$469	\$325	\$250	\$200	\$300	\$477	\$35	\$1,219
TransNet - LSI (Cash)	\$27	\$27								\$27
TransNet - LSI Carry Over	\$2,456	\$2,156	\$300					\$953		\$1,503
Local Funds	\$571	\$571						\$571		
TOTAL	\$4,944	\$3,100	\$769	\$325	\$250	\$200	\$300	\$2,136	\$35	\$2,773

MPO ID: CHV39			ADOPTION: 16-00							
Project Title:	Traffic Signal System Optimization							TransNet - LSI: CR		
Project Description:	Palomar Street from I-5 to Orange Ave.; Broadway from Palomar Street to C Street; H Street from I-805 to I-5; Heritage Rd. from Telegraph Canyon Rd. to Palomar St.; Paseo Ranchero from E. J Street to Telegraph Canyon Rd.; Otay Lakes Rd. from Telegraph Canyon Rd. to E. H Street; E. H Street from I-805 to Hidden Vista; E. Orange/ Olympic Pkwy. at I-805; Telegraph Canyon Rd. at I-805; additional locations as included in the Regional Arterial Management System - upgrade traffic signal coordination at locations identified by the City's Traffic Monitoring Program in order to reduce congestion and intersection delays, coordinate regional traffic through the Regional Arterial Management System. TransNet - LSI RAMS of \$16 is programmed in FY 2017									
Capacity Status: NCI			Exempt Category: Other - Traffic signal synchronization projects							
Est Total Cost: \$1,720										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - L	\$150	\$150						\$150		
TransNet - L (Cash)	\$19	\$19						\$19		
TransNet - LSI	\$1,076	\$316	\$235	\$75	\$150	\$150	\$150	\$1,076		
TransNet - LSI Carry Over	\$475	\$443	\$32					\$475		
TOTAL	\$1,720	\$928	\$267	\$75	\$150	\$150	\$150	\$1,720		

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

Chula Vista, City of

MPO ID: CHV43							ADOPTION: 16-00				
Project Title:	Congestion Relief Study and Implementation						TransNet - LSI: CR				
Project Description:	Citywide - program will allow for identification and implementation of solutions for congestion relief on local streets, such as median installation, new traffic signals, traffic signal upgrades, intersection lighting, traffic signal coordination/interconnection, video traffic surveillance systems, traffic data collection systems										
Capacity Status: NCI		Exempt Category: Other - Intersection signalization projects									
Est Total Cost: \$941											
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON	
TransNet - L	\$75	\$75						\$25		\$50	
TransNet - L (Cash)	\$526	\$526						\$526			
TransNet - LSI Carry Over	\$290	\$237	\$53					\$290			
Local Funds	\$50	\$50						\$15		\$35	
TOTAL	\$941	\$888	\$53					\$856		\$85	

MPO ID: CHV44							ADOPTION: 16-00			
Project Title:	I-805, SR54 and Otay Mesa Transportation System Improvements						TransNet - LSI: CR			
Project Description:	In Chula Vista - preliminary analysis of the I-805/ SR54 interchange to include other on/off ramps on SR54 to I-5, the Bonita Road and Main Street on/off ramps to I-805 and the impact of traffic in Otay Mesa on La Media Road and other major streets in Chula Vista in order to reduce congestion									
	Capacity Status: NCI		Exempt Category: Other - Engineering studies							
Est Total Cost: \$419										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - L	\$100	\$100						\$100		
TransNet - LSI Carry Over	\$319	\$257	\$62					\$319		
TOTAL	\$419	\$357	\$62					\$419		

MPO ID: CHV45								ADOPTION: 16-00		
Project Title:	Traffic Monitoring Program							TransNet - LSI: Maint		
Project Description:	Citywide - traffic monitoring to comply with the City's traffic threshold standards, as well as the city's annual traffic count program, which provides data for safety commission studies, capital improvements projects, speed surveys and other traffic uses									
	Capacity Status: NCI		Exempt Category: Safety - Non signalization traffic control and operating							
Est Total Cost: \$1,466										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - L (Cash)	\$54	\$54						\$54		
TransNet - LSI	\$571		\$56	\$186	\$100	\$94	\$135	\$571		
TransNet - LSI Carry Over	\$791	\$647	\$144					\$791		
Local RTCIP	\$50	\$50						\$50		
TOTAL	\$1,466	\$751	\$200	\$186	\$100	\$94	\$135	\$1,466		

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

Chula Vista, City of

MPO ID: CHV48								ADOPTION: 16-00		
Project Title:	Pavement Major Rehabilitation							TransNet - LSI: CR		
Project Description:	Various locations (see list of specific locations);including Brandywine Ave. from Point La Jolla to Mendocino Drive - ongoing program of pavement rehabilitation and reconstruction which includes overlays (one-inch thick and greater) and street reconstruction									
Capacity Status: NCI			Exempt Category: Safety - Pavement resurfacing and/or rehabilitation							
Est Total Cost: \$40,272										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - L (Cash)	\$72	\$72						\$72		
TransNet - LSI	\$19,306	\$220	\$3,285	\$3,900	\$3,900	\$4,000	\$4,000	\$2,566	\$16,740	
TransNet - LSI (Cash)	\$18	\$18						\$18		
TransNet - LSI Carry Over	\$20,876	\$15,543	\$5,333					\$2,869	\$18,007	
TOTAL	\$40,272	\$15,853	\$8,618	\$3,900	\$3,900	\$4,000	\$4,000	\$5,453	\$34,819	

MPO ID: CHV50								ADOPTION: 16-00		
Project Title:	Emergency Storm Drain and Bridge Culvert Repair							TransNet - LSI: Maint		
Project Description:	882 Helix Ave., 106 El Capitan Court, 1188 Neptune Court, 1526 Grand Teton Court, Rancho Road near the Poggi Canyon Channel,Del Mar Ave. at Moss Street, Second Ave. and Chula Vista Street, Elsie Way and Penelope Drive, Kimball Terrace and Third Ave., F Street east of Woodlawn Court, and other urgent locations (see attachments) - emergency storm drain repairs due to pipe failure at several locations that need to be repaired before the next storm season; repair of culverts under City bridges to maintain bridge safety; repair pipes at all locations receive street drainage and repairs are needed to maintain safe travel conditions									
	Capacity Status: NCI		Exempt Category: Safety - Safer non-Federal-aid system roads							
Est Total Cost: \$6,219										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - L (Cash)	\$1,811	\$1,811						\$1,307		\$504
TransNet - LSI	\$2,652	\$12	\$610	\$530	\$500	\$500	\$500	\$522		\$2,130
TransNet - LSI Carry Over	\$1,756	\$794	\$962					\$328		\$1,428
TOTAL	\$6,219	\$2,617	\$1,572	\$530	\$500	\$500	\$500	\$2,157		\$4,062

MPO ID: CHV51							ADOPTION: 16-00					
Project Title:	Cross Gutter Replacement							TransNet - LSI: CR				
Project Description:	Near the following intersections: Naples St. and Oleander Ave.; Orange Ave. and Hilltop Drive; Palomar St. and Third Ave., I St. and Hilltop Drive - reconstruct the steep cross gutters at several intersections throughout the City in order to increase vehicle safety and reduce congestion caused by vehicles slowing down; Americans with Disabilities Act (ADA)-compliant pedestrian improvements will also be constructed											
	Capacity Status: NCI		Exempt Category: Safety - Safer non-Federal-aid system roads									
Est Total Cost: \$480												
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON		
TransNet - LSI Carry Over	\$480	\$136	\$344					\$180		\$300		
TOTAL	\$480	\$136	\$344					\$180		\$300		

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

Chula Vista, City of

MPO ID: CHV58							ADOPTION: 16-00			
Project Title:	New Sidewalk Construction						TransNet - LSI: CR			
Project Description:	C Street from Fifth Ave. to 350 feet west of Fourth Ave.; Moss Street from Broadway to Fourth Ave.; Oxford Street from Broadway to Fifth Ave., Palomar Street from Broadway to Fourth Ave.; East H Street from Hidden Vista Drive to Terra Nova Drive; near intersection of F Street and Hilltop Drive; Alpine Ave. from Emerson St. to Oxford St. - design and construction of sidewalk and other pedestrian improvements in areas without existing sidewalk									
	Capacity Status: NCI Exempt Category: Air Quality - Bicycle and pedestrian facilities									
Est Total Cost: \$2,915										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - L (Cash)	\$97	\$97								\$97
TransNet - LSI	\$1,125	\$125				\$500	\$500	\$200		\$925
TransNet - LSI Carry Over	\$1,693	\$693	\$1,000					\$300		\$1,393
TOTAL	\$2,915	\$915	\$1,000			\$500	\$500	\$500		\$2,415

MPO ID: CHV60							ADOPTION: 16-00				
Project Title:	Traffic Signal Upgrades						TransNet - LSI: CR				
Project Description:	Fourth Ave. and Moss Street; Third Ave. and J Street; Third Ave. and Moss Street; Third Ave. and Naples St.; Industrial Blvd. and Anita, Moss and Naples Streets; Third Avenue and L Street; E. L Street and Cuyamaca Ave. - traffic signals will be upgraded and modified in order to reduce the frequency of collisions										
Capacity Status: NCI		Exempt Category: Other - Intersection signalization projects									
Est Total Cost: \$2,557											
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON	
TransNet - L (Cash)	\$2	\$2						\$2			
TransNet - LSI	\$1,312	\$95	\$17		\$300	\$500	\$400	\$384		\$928	
TransNet - LSI Carry Over	\$1,068	\$929	\$139						\$365		\$703
Local Funds	\$175	\$175						\$175			
TOTAL	\$2,557	\$1,201	\$156		\$300	\$500	\$400	\$924		\$1,633	

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

Chula Vista, City of

MPO ID: CHV64			ADOPTION: 16-00							
Project Title:	Eastern Chula Vista TSM/TDM System							TransNet - LSI: CR		
Project Description:	East H Street, Telegraph Canyon Road and Olympic Parkway from I-805 to about one mile east - three major east/west corridors constantly need signal timing changes due to fluctuating traffic demands; improving the Transportation Systems Management (TSM) and Transportation Demand Management (TDM) will improve mobility and reduce delays; permanent software/hardware systems will incorporate additional vehicle/bicycle detection on approaches and gaps; real time data collected will be used to assess, refine and implement optimal traffic signal timing plans; this information will be made available to the region, Caltrans and the public through the Regional Arterial Management System (RAMS)									
	Capacity Status: NCI		Exempt Category: Other - Traffic signal synchronization projects							
Est Total Cost: \$250										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - LSI	\$3	\$3						\$3		
TransNet - LSI Carry Over	\$247		\$247					\$247		
TOTAL	\$250	\$3	\$247					\$250		

MPO ID: CHV69				ADOPTION: 16-00						
Project Title:	Heritage Road Bridge						RTP PG NO: B-35			
Project Description:	Heritage Road from Main Street/ Nirvana Ave. to Entertainment Circle - widen and lengthen bridge over Otay River from four lane to six lane bridge that accommodates shoulders, sidewalk and median; project is on Heritage Road from the intersection of Main Street and Nirvana Ave. to Entertainment Circle						RAS (M-39)			
Capacity Status: CI		Exempt Category: Non-Exempt								
Est Total Cost: \$26,000				Open to Traffic: May 2020						
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
HBP	\$23,017	\$1,416		\$354			\$21,247	\$1,416	\$354	\$21,247
Local Funds	\$2,983	\$184		\$46			\$2,753	\$184	\$46	\$2,753
TOTAL	\$26,000	\$1,600		\$400			\$24,000	\$1,600	\$400	\$24,000
*CON funds shown in FY 20/21 to show that project is fully funded										

MPO ID: CHV70			ADOPTION: 16-00							
Project Title:	Bikeway Design and Construction							TransNet - LSI: CR		
Project Description:	East Orange Ave. from Melrose Ave. to Loma Lane - construction of bicycle lanes on East Orange Avenue from Melrose Ave to Loma Lane - local match for BTA award. Construction of Bike Lanes on Broadway from C Street to Main Street									
	Capacity Status: NCI		Exempt Category: Air Quality - Bicycle and pedestrian facilities							
Est Total Cost: \$1,366										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - LSI	\$1,246	\$61	\$250	\$460	\$475			\$311		\$935
TransNet - LSI Carry Over	\$120	\$50	\$70					\$94		\$26
TOTAL	\$1,366	\$111	\$320	\$460	\$475			\$405		\$961

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

Chula Vista, City of

MPO ID: CHV75								ADOPTION: 16-00		
Project Title:		ADA Curb Ramps						TransNet - LSI: Maint		
Project Description:		Citywide - provide American with Disabilities Act-compliant ramps at locations with sidewalks but missing ramps in accordance with the City's priority list								
Capacity Status:		NCI		Exempt Category: Safety - Safety Improvement Program						
Est Total Cost: \$1,100										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - L (Cash)	\$84	\$84						\$50		\$34
TransNet - LSI	\$716		\$266		\$250		\$200	\$165		\$551
TransNet - LSI Carry Over	\$300	\$37	\$263					\$86		\$214
TOTAL	\$1,100	\$121	\$529		\$250		\$200	\$301		\$799

MPO ID: CHV77								ADOPTION: 16-00			
Project Title:	Main Street Fiber Optics							TransNet - LSI: CR			
Project Description:	Main Street from Bay Blvd. to Salt Creek - Project will provide the necessary work to tie in Chula Vista facilities to the future fiber optics network on Main Street in conjunction with the SANDAG South Bay BRT Fiber Optic project; will include new fiber optic cable, pull boxes, conduit, etc.										
Capacity Status: NCI		Exempt Category: Other - Traffic signal synchronization projects									
Est Total Cost: \$400											
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON	
TransNet - LSI	\$2	\$2						\$2			
TransNet - LSI Carry Over	\$398		\$398					\$58		\$340	
TOTAL	\$400	\$2	\$398					\$60		\$340	

MPO ID: CHV79								ADOPTION: 16-00		
Project Title:	Raised Median Improvements							TransNet - LSI: CR		
Project Description:	E Street between First and Second Ave., E Street e/o Third Avenue, Paseo Ranchero s/o East J Street, Eastlake Pkwy. s/o Otay Lakes Road, Eastlake Pkwy. in front of Eastlake High School and Community Park, and other locations. - construct new raised medians where motorists are making illegal turning movements; reconstruct raised medians that protrude into the striped crosswalks									
Capacity Status: NCI			Exempt Category: Safety - Adding medians							
Est Total Cost: \$440										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - LSI	\$1	\$1						\$1		
TransNet - LSI Carry Over	\$439		\$439					\$59		\$380
TOTAL	\$440	\$1	\$439					\$60		\$380

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

Chula Vista, City of

MPO ID: CHV80				ADOPTION: 16-00						
Project Title:		Third Avenue Streetscape Project Phase III						TransNet - LSI: CR		
Project Description:		Third Avenue from F Street to E Street - continuation of pedestrian and bicycle enhancement facilities along Third Avenue north of Phase II								
		Capacity Status: NCI		Exempt Category: Air Quality - Bicycle and pedestrian facilities						
Est Total Cost: \$2,000										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - LSI Carry Over	\$300		\$300					\$300		
TOTAL	\$300		\$300					\$300		

MPO ID: CHV82							ADOPTION: 16-00				
Project Title:	Palomar Street and Orange Avenue Sidewalk Improvements							TransNet - LSI: CR			
Project Description:	Palomar Street south side from Fifth Ave. to Orange Ave., Orange Avenue from Fifth Ave. to Palomar St. - Installation of missing curb, gutter and sidewalk along the south side of Palomar St. and the north side of Orange Ave. Upgrade of traffic signal at Palomar and Orange.										
Capacity Status: NCI		Exempt Category: Air Quality - Bicycle and pedestrian facilities									
Est Total Cost: \$415											
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON	
TransNet - LSI	\$415		\$415					\$50		\$365	
TOTAL	\$415		\$415					\$50		\$365	

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

Coronado, City of

MPO ID: COR04								ADOPTION: 16-00		
Project Title:	Street and Road Preventive Maintenance; Minor Drainage Repair							TransNet - LSI: Maint		
Project Description:	Acacia Way (Coronado Ave-Cabrillo Ave); Alder St. (Coronado Ave-10th St); Balboa Ave. (6th St.-Acacia Way); Carob Way (Cabrillo Ave.-Coronado Ave.); Pine Ct. (Pine St. - End); 10th St. (Pine St.-Alameda Blvd.); Strand Way (Pomona-442 Fts/Tulagi Rd.); Marina Ave. (Alameda Blvd.-Ocean Blvd.); Encino Row (10th St.-FAve.): Tolita Ave. (Alameda Blvd.-Isabella Ave.); Alamdea Blvd.(Olive Ave.-Ocean Blvd.); 1st St. (Alameda-Orange) 1st St. (Orange-East End); G Ave. (10th St.-Ocean Blvd.); and Bayshore Bikeway (Leyte-Coronado Blvd.) - Preventive maintenance such as slurry seal, crack sealing, and minor drainage repair									
	Capacity Status: NCI		Exempt Category: Safety - Pavement resurfacing and/or rehabilitation							
Est Total Cost: \$6,195										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - L	\$1,581	\$1,581						\$138		\$1,443
TransNet - LSI	\$806	\$206		\$150	\$150	\$150	\$150	\$36		\$770
TransNet - LSI Carry Over	\$118	\$39	\$79							\$118
Local Funds	\$3,690	\$2,183	\$455	\$268	\$259	\$265	\$260	\$219		\$3,471
TOTAL	\$6,195	\$4,009	\$534	\$418	\$409	\$415	\$410	\$393		\$5,802

MPO ID: COR07								ADOPTION: 16-00		
Project Title:	Street and Road Major Rehabilitation; Major Drainage; Traffic Operations							TransNet - LSI: CR		
Project Description:	St. Kitts, Port Royale, Bridgetown Bend, Cajon Place, Country Club, Coronado Avenue - Rehabilitation of roadways including removal and replacement of severely damaged areas, grinding and overlays of 1 1/2"									
	Capacity Status: NCI		Exempt Category: Safety - Pavement resurfacing and/or rehabilitation							
Est Total Cost: \$12,538										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - L	\$1,665	\$1,665						\$165		\$1,500
TransNet - LSI	\$4,962	\$2,378	\$589	\$462	\$486	\$510	\$536	\$1,277		\$3,685
TransNet - LSI Carry Over	\$3,220	\$2,403	\$309	\$252	\$255			\$339		\$2,881
Local Funds	\$2,691	\$2,191				\$250	\$250	\$63		\$2,628
TOTAL	\$12,538	\$8,637	\$898	\$714	\$741	\$760	\$786	\$1,844		\$10,694

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

Coronado, City of

MPO ID: COR14								ADOPTION: 16-00			
Project Title:	Third Street, Fourth Street and I Avenue Drainage Improvements							RAS (M-39)			
Project Description:	Third and Fourth Streets from D Avenue to I Avenue - this project will install catch basins along Third and Fourth Street to capture storm water which collects and spreads into travel lanes even during mild storms; it will improve safety and traffic circulation during storm events on SR 75 by capturing and diverting into new storm drain located along I Avenue										
	Capacity Status: NCI		Exempt Category: Safety - Hazard elimination program								
Est Total Cost: \$1,500											
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON	
Loc Funds - Toll Funds	\$1,000	\$400	\$600					\$100		\$900	
Local Funds	\$475	\$450	\$25					\$120		\$355	
Local RTCIP	\$25		\$25							\$25	
TOTAL	\$1,500	\$850	\$650					\$220		\$1,280	

MPO ID: COR19								ADOPTION: 16-00		
Project Title:			Coronado Gateway Project							
Project Description:			From SR 75 to Glorietta Blvd. - landscape and hardscape improvements and traffic metering at the Toll Plaza							
Capacity Status: NCI			Exempt Category: Other - Plantings, landscaping, etc							
Est Total Cost: \$2,839										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
Loc Funds - Toll Funds	\$2,839		\$1,839	\$1,000				\$139		\$2,700
TOTAL	\$2,839		\$1,839	\$1,000				\$139		\$2,700

MPO ID: COR22								ADOPTION: 16-00			
Project Title:		Speed Table on Fourth Street						RAS (M-39)			
Project Description:		Fourth Street from Orange Avenue to Glorietta Boulevard - Design and construct an asphalt or concrete speed table on Fourth Street east of Orange Avenue.									
		Capacity Status: NCI		Exempt Category: Safety - Safety Improvement Program							
Est Total Cost: \$20											
		TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
Local RTCIP		\$20		\$20							\$20
TOTAL		\$20		\$20							\$20

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

Del Mar, City of

MPO ID: DM01								ADOPTION: 16-00		
Project Title: Annual Street Maintenance								TransNet - LSI: Maint		
Project Description: Citywide - resurface and/or rehabilitate roadways										
Capacity Status: NCI								Exempt Category: Safety - Pavement resurfacing and/or rehabilitation		
Est Total Cost: \$1,846										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - L	\$831	\$831								\$831
TransNet - LSI	\$417	\$397	\$1	\$6	\$13					\$417
TransNet - LSI Carry Over	\$8			\$8						\$8
Local Funds	\$590	\$590								\$590
TOTAL	\$1,846	\$1,818	\$1	\$14	\$13					\$1,846

MPO ID: DM02								ADOPTION: 16-00			
Project Title:	Local Match to Bridge Retrofit Projects							TransNet - LSI: CR			
Project Description:	At N. Torrey Pines Bridge, Camino del Mar Bridge over San Dieguito River, Jimmy Durante Blvd Bridge, Via de la Valle Bridge, Camino del Mar Overpass. - Local match to federal Highway Bridge Program providing for seismic retrofit (part of CAL44); project will undertake full replacement of bridge upper deck, full depth pavement repair, and seismic upgrades										
Capacity Status: NCI		Exempt Category: Safety - Non capacity widening or bridge reconstruction									
Est Total Cost: \$209											
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON	
TransNet - LSI	\$209	\$208			\$1					\$209	
TOTAL	\$209	\$208			\$1					\$209	

MPO ID: DM06								ADOPTION: 16-00		
Project Title:	Sidewalk, Street, and Drainage Improvements						SANDAG ID: 1223061			
Project Description:	Multiple locations along Camino del Mar, Jimmy Durante Boulevard, and Via de la Valle - pedestrian, bicycle, roadway, and drainage improvements along Camino del Mar, Jimmy Durante Boulevard, and Via de la Valle						TransNet - LSI: CR			
Capacity Status: NCI		Exempt Category: Safety - Safety Improvement Program								
Est Total Cost: \$4,354										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - BPNS	\$812	\$812						\$100		\$712
TransNet - Bond	\$2,793	\$2,793						\$228		\$2,565
TransNet - CP	\$700	\$700						\$25		\$675
TransNet - LSI	\$49					\$20	\$29			\$49
TOTAL	\$4,354	\$4,305				\$20	\$29	\$353		\$4,001
*SANDAG Board approved TransNet/ATP swap on November 21, 2014 for \$812										

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

El Cajon, City of

MPO ID: EL03			ADOPTION: 16-00								
Project Title:	Overlay/Reconstruction Projects							RAS (M-39)			
Project Description:	FY 16-17 Streets, Airport Dr. from Magnolia Ave. to Wing Ave. Arlington Pl. from Greenfield Dr. to Cul-de-sac. Chambers Ave. from W. Main St to W. Madison Ave. Dawnridge Ave. from West City Limit to N. Second St. El Rey Ave. from El Rey Ct. to Cul-de-sac. El Rey Ave. from N. Second St. to west side of El Rey Ct. El Rey Ct. from El Rey Ave. to Cul-de-sac. Flamingo Ave. from West City Limit to N. Second St. Flamingo Pl. from Arlington Pl. to Cul-de-sac. Johnson Ave. from Vernon Wy. to Bradley Ave. Lindell Ave. from Prescott Ave. to Avocado Ave. Magnolia Ave. from Airport Dr. to City Limit. Minnesota Ave. from Magnolia Ave. to Avocado Blvd. Navajo Rd. from West City Limit to Fletcher Pkwy. Orange Ave. from Renette Ave. to Washington Ave. Oro St. from Flamingo Ave. to El Rey Ave. Persimmon St. from West City Limit to N. Second St. Renette Ave. from Wilson Ave. to Emerald Ave. Renette Ave. from Magnolia Ave. to Avocado Ave. Saxon Pl. from El Rey Ave. to Cul-de-sac. Sumner Ave. from West City limit to N. Second St. Valley Lake Dr. from Fanita Dr. to Cul-de-sac. , FY 17-18 Streets, Helix View Dr. from end to Pine Dr. Midway Dr. from Pine Dr. to Helix View Dr. Pine Dr. from Footepath Way to Chase Ave. Grossmont Ave. from Chase Ave. to Grossmont Ave. Wilson Ave. from El Cajon Blvd. to Grossmont Ave. Johnson Ave. from Chase Ave. to Washington Ave. Wilson Ave. from Grossmont Ave. to Chase Ave. Franklin Ave. from El Cajon Blvd. to Johnson Ave. Ellen Ln. from South End to Granite Hills Dr. Alveda Ave. from Vallea St. to Granite Hills Dr., Cosmo Ave. from South City limit to Raynell Wy. Raynell Wy. from Cosmo St. to City Limit. Bartram from Cosmo St. to East City limit. Pebble Place from Pebble Ct. to Granite Hills Dr. Pebble Ct. from Pebble Pl. to end of street. Sandos St. From Cosmo St. to end of street. Goldstone St. from Cosmo St. to end of street. Cloverleaf Dr. from Vista Del Valle to end of street. Shadow Vista Wy. from Jamacha Rd. to end of street. Alladin Ln. from Jamacha Rd. to Brighthaven Dr./Dumar St. Brighthaven Dr. from Alladin Ln. to Sunnyland Ave. Sunnyland Ave. from Jamacha Rd. to end of street. Woodhill Dr. from Brighthaven Dr. to end of street. Vallea St. from Alveda Dr. to Cosmo St. - street reconstruction and overlays greater than 1" thick, including collectors, thoroughfares & residential streets							TransNet - LSI: CR			
Capacity Status: NCI			Exempt Category: Safety - Pavement resurfacing and/or rehabilitation								
Est Total Cost: \$27,772											
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON	
TransNet - L	\$6,747	\$6,747								\$6,747	
TransNet - L (Cash)	\$2,541	\$2,541								\$2,541	
TransNet - LSI	\$12,180	\$4,280	\$1,340	\$1,380	\$1,780	\$1,700	\$1,700			\$12,180	
TransNet - LSI (Cash)	\$397	\$397								\$397	
TransNet - LSI Carry Over	\$5,627	\$5,560	\$67							\$5,627	
Local RTCIP	\$280		\$280							\$280	
TOTAL	\$27,772	\$19,525	\$1,687	\$1,380	\$1,780	\$1,700	\$1,700			\$27,772	

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Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

El Cajon, City of

MPO ID: EL06			ADOPTION: 16-00							
Project Title:	Traffic Signals Projects							RAS (M - 39)		
Project Description:	Replacement of interconnect cable on Avocado Ave, Ballantyne St, Magnolia Ave, Madison Ave, Johnson Ave, Fletcher Pkwy, and Broadway; modification of existing traffic signals and various location to improve traffic flow and safety; replacement of battery back-up system batteries at various locations; ongoing system maintenance for the RAMS traffic signal management system - new, upgrade or modification of traffic signals and Traffic Management Center, including rewire, modifications, replacement of signal interconnect cable, wireless video monitoring cameras and other necessary equipment; funds for ongoing RAMS maintenance support costs. <i>TransNet</i> - LSI RAMS of \$10 is programmed in FY 2017, <i>TransNet</i> - LSI RAMS of \$10 is programmed in FY 2018							<i>TransNet</i> - LSI: CR		
Capacity Status: NCI			Exempt Category: Other - Traffic signal synchronization projects							
Est Total Cost: \$2,929										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
<i>TransNet</i> - L	\$580	\$580								\$580
<i>TransNet</i> - L (Cash)	\$380	\$380								\$380
<i>TransNet</i> - LSI	\$1,576	\$726	\$110	\$110	\$210	\$210	\$210	\$49		\$1,527
<i>TransNet</i> - LSI (Cash)	\$8	\$8								\$8
<i>TransNet</i> - LSI Carry Over	\$385	\$117	\$268							\$385
TOTAL	\$2,929	\$1,811	\$378	\$110	\$210	\$210	\$210	\$49		\$2,880

MPO ID: EL11								ADOPTION: 16-00		
Project Title:		Sidewalk and other Repairs						TransNet - LSI: Maint		
Project Description:		Various locations; Please see uploaded project list - repair broken sidewalk, driveway, ramps, etc.								
Capacity Status: NCI		Exempt Category: Air Quality - Bicycle and pedestrian facilities								
Est Total Cost: \$2,406										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - L	\$450	\$450						\$150		\$300
TransNet - L (Cash)	\$250	\$250								\$250
TransNet - LSI	\$1,530	\$430	\$160	\$160	\$260	\$260	\$260			\$1,530
TransNet - LSI (Cash)	\$1	\$1								\$1
TransNet - LSI Carry Over	\$175	\$125	\$50							\$175
TOTAL	\$2,406	\$1,256	\$210	\$160	\$260	\$260	\$260	\$150		\$2,256

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

El Cajon, City of

MPO ID: EL18								ADOPTION: 16-00		
Project Title:	Street Light Installation Projects							TransNet - LSI: CR		
Project Description:	Various locations City wide - provide for new street lights which include removing wooden pole mounted lights for underground utility district projects and the retro-fit of existing high pressure sodium street lights with energy efficient LED street lights									
Capacity Status: NCI			Exempt Category: Safety - Lighting improvements							
Est Total Cost: \$587										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - L (Cash)	\$37	\$37								\$37
TransNet - LSI	\$450	\$175	\$25	\$25	\$75	\$75	\$75			\$450
TransNet - LSI Carry Over	\$100		\$50	\$50						\$100
TOTAL	\$587	\$212	\$75	\$75	\$75	\$75	\$75			\$587

MPO ID: EL21								ADOPTION: 16-00		
Project Title:		Street Resurfacing with slurry seals and ARAM products						TransNet - LSI: Maint		
Project Description:		Various locations throughout the City of El Cajon - street resurfacing with slurry seals and asphalt rubber aggregate membrane (ARAM) - less than 1" thick								
Capacity Status: NCI		Exempt Category: Safety - Pavement resurfacing and/or rehabilitation								
Est Total Cost: \$5,450										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - LSI	\$3,931	\$1,381	\$375	\$375	\$600	\$600	\$600			\$3,931
TransNet - LSI (Cash)	\$5	\$5								\$5
TransNet - LSI Carry Over	\$1,514	\$1,514								\$1,514
TOTAL	\$5,450	\$2,900	\$375	\$375	\$600	\$600	\$600			\$5,450

MPO ID: EL27								ADOPTION: 16-00		
Project Title:	Greenfield Drive Widening							RAS (M - 39)		
Project Description:	Greenfield Drive from Gorsline Drive to Haden Lane - in El Cajon, on Greenfield Drive between Gorsline Drive and Haden Lane; widen roadway to accomodate a bike route and new sidewalks							TransNet - LSI: CR		
Capacity Status: NCI			Exempt Category: Air Quality - Bicycle and pedestrian facilities							
Est Total Cost: \$3,281										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - LSI	\$740	\$740								\$740
TransNet - LSI Carry Over	\$2,541	\$541	\$1,800	\$200				\$40		\$2,501
TOTAL	\$3,281	\$1,281	\$1,800	\$200				\$40		\$3,241

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

El Cajon, City of

MPO ID: EL29								ADOPTION: 16-00		
Project Title:		Traffic Safety/Calming						TransNet - LSI: CR		
Project Description:		Madison Avenue, Taft Avenue, and other locations in the City. - in El Cajon at various locations; install traffic safety and calming improvements such as street striping, stop signs, speed cushions, and radar speed feedback signs								
		Capacity Status: NCI		Exempt Category: Safety - Safer non-Federal-aid system roads						
Est Total Cost: \$416										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - LSI	\$295	\$45	\$50	\$50	\$50	\$50	\$50			\$295
TransNet - LSI (Cash)	\$11	\$11								\$11
TransNet - LSI Carry Over	\$110		\$110							\$110
TOTAL	\$416	\$56	\$160	\$50	\$50	\$50	\$50			\$416

MPO ID: EL32							ADOPTION: 16-00				
Project Title:	City of El Cajon Pavement Management System							TransNet - LSI: Maint			
Project Description:	Various streets in the City - engineering Study-preparation of an updated Pavement Management System study to determine the condition of City streets and help prioritize street overlay projects.										
	Capacity Status: NCI		Exempt Category: Other - Engineering studies								
Est Total Cost: \$290											
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON	
TransNet - LSI	\$145	\$145						\$145			
TransNet - LSI Carry Over	\$145		\$70	\$75				\$145			
TOTAL	\$290	\$145	\$70	\$75				\$290			

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

Encinitas, City of

MPO ID: ENC14A								ADOPTION: 16-00		
Project Title:	Street Overlay Program							TransNet - LSI: CR		
Project Description:	Various locations throughout the City, - in Encinitas, at various locations throughout the City, asphalt grinding, 6" dig outs, 1-1/2" polymer modified asphalt overlay, and preventative maintenance treatments.									
Capacity Status: NCI			Exempt Category: Safety - Pavement resurfacing and/or rehabilitation							
Est Total Cost: \$28,821										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - L	\$600	\$600						\$600		
TransNet - L (Cash)	\$240	\$240						\$240		
TransNet - LSI	\$13,164	\$4,740	\$1,184	\$1,702	\$1,772	\$1,845	\$1,921	\$13,164		
TransNet - LSI (Cash)	\$253	\$253						\$253		
TransNet - LSI Carry Over	\$921	\$589	\$332					\$921		
Local Funds	\$13,643	\$7,742	\$1,141	\$1,298	\$1,228	\$1,155	\$1,079	\$13,643		
TOTAL	\$28,821	\$14,164	\$2,657	\$3,000	\$3,000	\$3,000	\$3,000	\$28,821		

MPO ID: ENC17							ADOPTION: 16-00			
Project Title:	Safe Routes to School Sidewalk Program						TransNet - LSI: Maint			
Project Description:	Santa Fe Drive from I-5 to El Camino Real near San Dieguito Academy, and portions of Vulcan Avenue adjacent to Paul Ecke Central - in Encinitas, at various locations throughout the City; installation of pathways to include curb, gutter, drainage improvements and landscaping which will provide connectivity									
Capacity Status: NCI						Exempt Category: Air Quality - Bicycle and pedestrian facilities				
Est Total Cost: \$4,499										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - L	\$900	\$900								\$900
TransNet - L (Cash)	\$466	\$466								\$466
TransNet - LSI	\$1,076	\$624	\$452							\$1,076
TransNet - LSI Carry Over	\$845	\$657	\$188							\$845
Local Funds	\$1,212	\$1,212								\$1,212
TOTAL	\$4,499	\$3,859	\$640							\$4,499

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

Encinitas, City of

MPO ID: ENC19				ADOPTION: 16-00						
Project Title:	Traffic Safety/Calming						RAS (M-39)			
Project Description:	Install speed table on Urania Ave between Leucadia Blvd and Normandy Rd, install ADA compliant crosswalk on Saxony Road between Encinitas Blvd. and Leucadia Blvd., and various improvements on La Costa Avenue between Highway 101 and I-5. - in Encinitas, at various locations throughout the City, install horizontal and vertical traffic safety and calming improvements such as speed cushions, chicanes, narrowing roadway, landscaped pop-outs and stop signs; develop Traffic Calming Plan for local neighborhoods						TransNet - LSI: CR			
Capacity Status:		NCI		Exempt Category: Safety - Safer non-Federal-aid system roads						
Est Total Cost: \$2,976										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - L	\$450	\$450								\$450
TransNet - L (Cash)	\$87	\$87								\$87
TransNet - LSI	\$744	\$744								\$744
TransNet - LSI Carry Over	\$255	\$150	\$105					\$20		\$235
Local Funds	\$700	\$180		\$520						\$700
Local RTCIP	\$740			\$740						\$740
TOTAL	\$2,976	\$1,611	\$105	\$1,260				\$20		\$2,956

MPO ID: ENC20				ADOPTION: 16-00						
Project Title:	North Coast Highway 101 Beautification						RAS (M-39)			
Project Description:	N. Coast Hwy. 101 from A Street to La Costa Avenue - design/construct comprehensive streetscape improvements: new curb, gutter, sidewalk and landscaping; the preferred design may include pedestrian and bicycle improvements, lane reconfiguration, and five roundabouts to facilitate and ease traffic congestion and more efficiently move vehicular traffic						TransNet - LSI: CR			
Capacity Status: NCI		Exempt Category: Air Quality - Bicycle and pedestrian facilities								
Est Total Cost: \$6,645										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - L	\$500	\$500						\$500		
TransNet - L (Cash)	\$100	\$100						\$100		
TransNet - LSI	\$880	\$880						\$880		
TransNet - LSI Carry Over	\$4,885	\$985	\$3,900					\$1,544		\$3,341
Local RTCIP	\$280		\$280							\$280
TOTAL	\$6,645	\$2,465	\$4,180					\$3,024		\$3,621

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

Encinitas, City of

MPO ID: ENC28			ADOPTION: 16-00							
Project Title:	Traffic Signal Modifications							TransNet - LSI: CR		
Project Description:	Encinitas Boulevard and El Camino Real; Leucadia Boulevard and El Camino Real; Chesterfield and Highway 101; El Camino Real and Via Molena; Encinitas Boulevard and Delphinium; La Costa and Highway 101; and other circulation element roads within the City - in Encinitas, at various locations on circulation element roads throughout the City, install radio communication to traffic signals, hard wiring system to traffic signals, audible pedestrian signal; install optic fiber for review cameras; replace battery backup units; install pedestrian countdown times; upgrade BiTrans Chip in signal controllers at various traffic signals; traffic signal infrastructure replacement; RAMS support. TransNet - LSI RAMS of \$7 is programmed through FY 2021									
Capacity Status: NCI Exempt Category: Other - Traffic signal synchronization projects										
Est Total Cost: \$912										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - L	\$100	\$100								\$100
TransNet - L (Cash)	\$382	\$382								\$382
TransNet - LSI	\$270	\$233	\$7	\$7	\$7	\$7	\$7	\$67		\$203
TransNet - LSI Carry Over	\$160	\$150	\$10							\$160
TOTAL	\$912	\$865	\$17	\$7	\$7	\$7	\$7	\$67		\$845

MPO ID: ENC45							ADOPTION: 16-00			
Project Title:		Roadway Drainage Improvements					RAS (M-39)			
Project Description:		Various locations - In Encinitas construct drainage improvements at various locations.								
		Capacity Status: NCI		Exempt Category: Safety - Hazard elimination program						
Est Total Cost: \$2,080										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
STP	\$830		\$830							\$830
Local Funds	\$1,250	\$500	\$750					\$570		\$680
TOTAL	\$2,080	\$500	\$1,580					\$570		\$1,510

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

Escondido, City of

MPO ID: ESC02A								ADOPTION: 16-00			
Project Title:	East Valley/Valley Center						EA NO: 260				
Project Description:	East Valley Pkwy/Valley Center Rd from Bevin Dr to northern City limits - Widen roadway from 4 to 6 lanes with raised medians, left turn pockets, and dedicated right turn lanes; modify signals at Lake Wohlford Rd/Valley Center Rd and Beven Dr/Valley Center Rd; widen bridge over Escondido Creek						EARMARK NO: CA332/260 RAS (M-40) TransNet - LSI: CR				
Capacity Status: CI		Exempt Category: Non-Exempt									
Est Total Cost: \$10,566 Open to Traffic: Dec 2017											
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON	
TransNet - LSI (Cash)	\$632	\$632								\$632	
TransNet - LSI Carry Over	\$4,526	\$750	\$3,776						\$70	\$4,456	
HPP	\$1,600	\$1,600								\$1,600	
Local Funds	\$3,445	\$2,540	\$905						\$500	\$2,945	
Local RTCIP	\$363	\$363								\$363	
TOTAL	\$10,566	\$5,885	\$4,681						\$500	\$70	\$9,996

MPO ID: ESC04								ADOPTION: 16-00		
Project Title:	Citracado Parkway II						RTP PG NO: B-37			
Project Description:	Citracado Parkway from West Valley to Harmony Grove - widen from 2 to 4 lanes with raised medians, construct bridge over Escondido Creek						RAS (M-40) TransNet - LSI: CR			
Capacity Status: CI		Exempt Category: Non-Exempt								
Est Total Cost: \$25,959 Open to Traffic: Dec 2020										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - L	\$581	\$581							\$581	
TransNet - LSI (Cash)	\$988	\$988								\$988
TransNet - LSI Carry Over	\$1,700		\$1,700							\$1,700
HUD	\$908	\$908						\$908		
Local Funds	\$21,782	\$16,025	\$1,038	\$1,221	\$1,200	\$1,166	\$1,132	\$839	\$1,000	\$19,943
TOTAL	\$25,959	\$18,502	\$2,738	\$1,221	\$1,200	\$1,166	\$1,132	\$1,747	\$1,581	\$22,631

MPO ID: ESC06								ADOPTION: 16-00			
Project Title:	El Norte Parkway Bridge at Escondido Creek						RTP PG NO: B-37				
Project Description:	El Norte Parkway from Kaile Lane to Key Lime Way - construct missing two lane bridge at Escondido Creek						RAS (M-40) TransNet - LSI: CR				
Capacity Status: CI		Exempt Category: Non-Exempt									
Est Total Cost: \$3,952 Open to Traffic: Jun 2017											
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON	
TransNet - L	\$2,000	\$2,000						\$50		\$1,950	
TransNet - L (Cash)	\$167	\$167								\$167	
TransNet - LSI (Cash)	\$808	\$808								\$808	
TransNet - LSI Carry Over	\$571		\$571								\$571
Local Funds	\$406	\$406								\$406	
TOTAL	\$3,952	\$3,381	\$571						\$50		\$3,902

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Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

Escondido, City of

MPO ID: ESC08							ADOPTION: 16-00			
Project Title:	Felicita Ave/Juniper Street						RTP PG NO: B-38			
Project Description:	From Escondido Boulevard to Juniper Street and from Juniper Street to Chestnut Street - widen from 2 to 4 lanes with left turn pockets, raised medians on Felicita; new traffic signals at Juniper and Chestnut, Juniper and 13th Ave., modifications to installed signal at Juniper and 15th, modify traffic signal at Juniper and Felicita						RAS (M-40) <i>TransNet</i> - LSI: CR			
Capacity Status: CI		Exempt Category: Non-Exempt								
Est Total Cost: \$3,665 Open to Traffic: May 2020										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
<i>TransNet</i> - L (Cash)	\$115	\$115						\$115		
<i>TransNet</i> - LSI Carry Over	\$50		\$50					\$50		
Local Funds	\$3,500	\$3,500						\$3,500		
TOTAL	\$3,665	\$3,615	\$50					\$50	\$3,615	

MPO ID: ESC24							ADOPTION: 16-00			
Project Title:	Centre City Parkway						RTP PG NO: B-38			
Project Description:	Centre City Parkway from W. Mission Ave. to SR 78 - This project will reconfigure existing street lane alignment, extend center median, and replace two existing traffic signals to accommodate one additional left turn lane and adjusted lane alignment to eastbound W. Mission Avenue at its intersection with Centre City Parkway.						RAS (M-40) <i>TransNet</i> - LSI: CR			
Capacity Status: CI		Exempt Category: Non-Exempt								
Est Total Cost: \$2,209 Open to Traffic: Jun 2018										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
<i>TransNet</i> - L	\$974	\$974						\$974		
<i>TransNet</i> - L (Cash)	\$374	\$374						\$374		
<i>TransNet</i> - LSI Carry Over	\$589	\$50	\$539					\$589		
Local Funds	\$272	\$272						\$272		
TOTAL	\$2,209	\$1,670	\$539					\$272	\$1,937	

MPO ID: ESC36					ADOPTION: 16-00						
Project Title:		Valley Boulevard Relocation						TransNet - LSI: CR			
Project Description:		S. Valley Boulevard from Grand Ave to East Valley Boulevard - realign the east-bound, one-way couplet currently on Valley Boulevard to Ivy Street and Grand Avenue; includes new pavement, curbs and gutters, sidewalks, street lights, traffic signals, storm drains, and relocating water lines as needed to accommodate the future vacation of Valley Boulevard; this project will facilitate the Palomar Pomerado Hospital project									
Capacity Status:		NCI		Exempt Category: All Projects - Interchange reconfiguration projects							
Est Total Cost: \$1,668											
		TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - LSI Carry Over		\$1,668	\$25	\$1,643					\$250		\$1,418
TOTAL		\$1,668	\$25	\$1,643					\$250		\$1,418

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

Escondido, City of

MPO ID: ESC37								ADOPTION: 16-00		
Project Title:	Pavement Maintenance							TransNet - LSI: Maint		
Project Description:	This project includes maintenance of various streets primarily in the maintenance zone of focus, and those classified as Collector and above throughout the City; the City's maintenance zones can be identified in the uploaded Maintenance Zone Map, FY16 - Maintenance Zone CS, FY17 - Maintenance Zone EN, FY18 - Maintenance Zone NE - this is an annual project that includes maintenance (crackseal, chipseal, slurry, sidewalk repairs) of various street elements city-wide									
	Capacity Status: NCI		Exempt Category: Safety - Pavement resurfacing and/or rehabilitation							
Est Total Cost: \$17,097										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - LSI	\$6,379	\$1,002	\$1,058	\$1,106	\$768	\$1,196	\$1,250			\$6,379
TransNet - LSI Carry Over	\$2,046	\$978	\$1,068							\$2,046
Local Funds	\$8,672	\$5,533	\$825	\$670	\$624	\$548	\$471			\$8,672
TOTAL	\$17,097	\$7,513	\$2,951	\$1,776	\$1,392	\$1,744	\$1,721			\$17,097

MPO ID: ESC38								ADOPTION: 16-00		
Project Title:	Pavement Rehabilitation/Reconstruction							TransNet - LSI: CR		
Project Description:	Includes rehabilitation of various streets primarily in the maintenance zone of focus, and those classified as Collector and above throughout the City; the City's maintenance zones can be identified in the uploaded Maintenance Zone Map, FY16 - Maintenance Zone CS, FY17 - Maintenance Zone NE, FY18 - Maintenance Zone NW - annual project to rehabilitate existing pavement greater than 1" in depth within the city's 8 maintenance zones. Each year the project rotates to a new zone, and we treat identified roads in poor condition.									
	Capacity Status: NCI		Exempt Category: Safety - Pavement resurfacing and/or rehabilitation							
Est Total Cost: \$19,517										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - L (Cash)	\$1,350	\$1,350								\$1,350
TransNet - LSI	\$16,072	\$2,235	\$2,469	\$2,580	\$3,070	\$2,802	\$2,916			\$16,072
TransNet - LSI Carry Over	\$2,095	\$172	\$1,923							\$2,095
TOTAL	\$19,517	\$3,757	\$4,392	\$2,580	\$3,070	\$2,802	\$2,916			\$19,517

MPO ID: ESC39								ADOPTION: 16-00			
Project Title:		Traffic Signals						TransNet - LSI: CR			
Project Description:		New signals and modification of existing signals Citywide; see the attached Priority Lists for project areas - construction of new signals and modification of existing signals Citywide; signals will be constructed in accordance with the adopted traffic signal priority list.									
		Capacity Status: NCI		Exempt Category: Other - Intersection signalization projects							
Est Total Cost: \$150											
		TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - LSI Carry Over		\$150	\$90	\$60					\$30		\$120
TOTAL		\$150	\$90	\$60					\$30		\$120

Tuesday, September 20, 2016

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

Escondido, City of

MPO ID: ESC42								ADOPTION: 16-00		
Project Title:		Streetlight Retrofit								
Project Description:		Locations of streetlights retrofitted will be throughout the City of Escondido - this project will retrofit existing street lights with new, LED lighting; the number of streetlights retrofitted are dependent upon pricing								
		Capacity Status: NCI Exempt Category: Safety - Lighting improvements								
Est Total Cost: \$422										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
Local Funds	\$422	\$130	\$292							\$422
TOTAL	\$422	\$130	\$292							\$422

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

Imperial Beach, City of

MPO ID: IB02								ADOPTION: 16-00		
Project Title:		Street Maintenance Operations						TransNet - LSI: Maint		
Project Description:		Various locations - street maintenance								
Capacity Status:		NCI		Exempt Category: Safety - Pavement resurfacing and/or rehabilitation						
Est Total Cost: \$4,665										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - L	\$1,655	\$1,655								\$1,655
TransNet - LSI	\$2,552	\$1,427	\$208	\$216	\$225	\$233	\$243			\$2,552
TransNet - LSI Carry Over	\$458	\$458								\$458
TOTAL	\$4,665	\$3,540	\$208	\$216	\$225	\$233	\$243			\$4,665

MPO ID: IB11								ADOPTION: 16-00		
Project Title:	SR 75 Vehicle, Bicycle, Transit, Pedestrian Improvements							RAS (M-40)		
Project Description:	Palm Ave (SR75) from 7th Street to 9th Street - design and construct vehicle, bicycle and public transit circulation and pedestrian access improvements along and across SR 75, including 7th Street and 9th Street intersections									
Capacity Status: NCI		Exempt Category: Air Quality - Bicycle and pedestrian facilities								
Est Total Cost: \$300										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
Local RTCIP	\$300		\$300					\$90		\$210
TOTAL	\$300		\$300					\$90		\$210

MPO ID: IB12								ADOPTION: 16-00		
Project Title:	Major Street Improvements							TransNet - LSI: CR		
Project Description:	1. Elm (Seacoast to 7th St.), 2. 7th Street (Encina Ave. to I.B. Blvd.), 3. Palm Ave. (7th to Delaware), 4. Ebony (4th to 3rd), 5. Grove St. (Connecticut St. to 8th St.), 6. Daisy Ave. (4th St. to Seacast Dr.), 7. 7th (Grove to IB Blvd), 8. IB Blvd (9th to 5th), 9. Arriba Ave. (9th St. to Cul-de-sac), 10. Oneonta Ave. (5th St. to Connecticut St.) , 11. Iris (5th St. to Connecticut St.), 12. California (Fern Ave to Grove Ave.), 13. Implementation of BTP, 14. 13th St Overlay(Bayshore Bikeway to Iris Ave), 15. Fern Ave (9th to 11th St) - work includes but not limited to overlay, new sidewalks, curbs and gutters, ramps, and storm drain									
	Capacity Status: NCI		Exempt Category: Safety - Pavement resurfacing and/or rehabilitation							
Est Total Cost: \$6,693										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - L (Cash)	\$200	\$200						\$200		
TransNet - LSI	\$5,020	\$2,395	\$486	\$504	\$524	\$545	\$566	\$835		\$4,185
TransNet - LSI Carry Over	\$1,473	\$1,473						\$465		\$1,008
TOTAL	\$6,693	\$4,068	\$486	\$504	\$524	\$545	\$566	\$1,300		\$5,393

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

La Mesa, City of

MPO ID: LAM31								ADOPTION: 16-00			
Project Title:		Street Zone Maintenance						TransNet - LSI: Maint			
Project Description:		Citywide - minor repairs and/or maintenance of streets including crack seal, slurry seal, scrub seal and concrete repairs to extend pavement useful life									
		Capacity Status: NCI		Exempt Category: Safety - Pavement resurfacing and/or rehabilitation							
Est Total Cost: \$1,508											
		TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - LSI		\$1,150	\$400	\$150	\$150	\$150	\$150	\$150			\$1,150
TransNet - LSI Carry Over		\$358	\$358								\$358
TOTAL		\$1,508	\$758	\$150	\$150	\$150	\$150	\$150			\$1,508

MPO ID: LAM32							ADOPTION: 16-00			
Project Title:	Pavement Management System						TransNet - LSI: Maint			
Project Description:	Citywide - Preparation of pavement management system; this information is used to determine the condition of City streets and help prioritize street projects. Data is updated every five years.									
	Capacity Status: NCI		Exempt Category: Other - Engineering studies							
Est Total Cost: \$134										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - L (Cash)	\$18	\$18						\$18		
TransNet - LSI	\$68	\$18					\$50	\$68		
TransNet - LSI Carry Over	\$48	\$23	\$25					\$48		
TOTAL	\$134	\$59	\$25				\$50	\$134		

MPO ID: LAM33								ADOPTION: 16-00		
Project Title:	Curb and Gutter, Sidewalk, Ped Ramps							TransNet - LSI: Maint		
Project Description:	Citywide - remove and replace identified and prioritized tripping hazards; installation of and replacement of pedestrian ramps, in order to comply with the Americans with Disabilities Act; replace or install new sidewalks, curbs and gutters									
Capacity Status: NCI			Exempt Category: Safety - Hazard elimination program							
Est Total Cost: \$2,156										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - L (Cash)	\$62	\$62						\$62		
TransNet - LSI	\$1,621	\$421	\$300	\$300	\$200	\$200	\$200	\$1,621		
TransNet - LSI Carry Over	\$473	\$473						\$473		
TOTAL	\$2,156	\$956	\$300	\$300	\$200	\$200	\$200	\$2,156		

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

La Mesa, City of

MPO ID: LAM34								ADOPTION: 16-00		
Project Title:	Street Lights							TransNet - LSI: CR		
Project Description:	Massachusetts Ave. - University Ave. to Southern City Limits; Spring St./Park Ave. to Southern City Limits; Waite Dr. - Western City Limit to Massachusetts, - installation of new streetlights to bring completed underground districts and other streets up to current city lighting standards									
	Capacity Status: NCI		Exempt Category: Safety - Lighting improvements							
Est Total Cost: \$154										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - L (Cash)	\$40		\$40							\$40
TransNet - LSI	\$75	\$50			\$25					\$75
TransNet - LSI (Cash)	\$37		\$37							\$37
TransNet - LSI Carry Over	\$2	\$2								\$2
TOTAL	\$154	\$52	\$77		\$25					\$154

MPO ID: LAM37								ADOPTION: 16-00		
Project Title:	Traffic Signal Upgrades							TransNet - LSI: CR		
Project Description:	Intersection of Tower Street and 70th Street; Intersection of La Mesa Boulevard and Glen Street; Intersection of Center Drive and Entrance #3, Intersection of Amaya Drive and Amaya Court, and various locations as identified by the City - improve existing traffic signal and intersection locations by providing safety improvements such as protected left turns, overhead signals in lieu of island signals, and pedestrian ramps for improved pedestrian access.									
Capacity Status: NCI		Exempt Category: Other - Intersection signalization projects								
Est Total Cost: \$2,030										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - L (Cash)	\$23	\$23						\$23		
TransNet - LSI	\$1,244	\$744	\$100	\$100	\$100	\$100	\$100	\$7		\$1,237
TransNet - LSI (Cash)	\$164		\$164					\$164		
TransNet - LSI Carry Over	\$599	\$399	\$200					\$599		
TOTAL	\$2,030	\$1,166	\$464	\$100	\$100	\$100	\$100	\$7		\$2,023

MPO ID: LAM39							ADOPTION: 16-00			
Project Title:		Traffic Calming Improvements					TransNet - LSI: Maint			
Project Description:		Citywide - implement traffic calming measures including signage and striping, speed humps and other tools in locations throughout the City in accordance with the City's Neighborhood Traffic Management Program								
		Capacity Status: NCI		Exempt Category: Safety - Non signalization traffic control and operating						
Est Total Cost: \$377										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - LSI	\$325	\$125	\$25	\$25	\$50	\$50	\$50			\$325
TransNet - LSI Carry Over	\$52	\$52								\$52
TOTAL	\$377	\$177	\$25	\$25	\$50	\$50	\$50			\$377

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

La Mesa, City of

MPO ID: LAM40			ADOPTION: 16-00							
Project Title:	Street Reconstruction (CR)							TransNet - LSI: CR		
Project Description:	La Mesa Blvd. from 4th to Randlett; La Mesa Blvd. from University Ave. to El Cajon Blvd.; Echo Dr. from Palm Ave. to Panorama Dr.; Panorama Dr. from Bowling Green to Mariposa; Alvarado Rd. from Guava Ave. to trolley tracks; Lemon Ave near Helix Hills Ter. - rehabilitate pavement of identified streets that are in poor condition and in need of major reconstruction, including removal of existing pavement, and construction of a new structural pavement surface greater than 1” in depth, to provide a smooth travel surface									
	Capacity Status: NCI		Exempt Category: Safety - Pavement resurfacing and/or rehabilitation							
Est Total Cost: \$5,289										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - CP	\$301	\$301								\$301
TransNet - L (Cash)	\$136	\$136								\$136
TransNet - LSI	\$2,965		\$325	\$840	\$600	\$600	\$600			\$2,965
TransNet - LSI Carry Over	\$1,887	\$1,537	\$350							\$1,887
TOTAL	\$5,289	\$1,974	\$675	\$840	\$600	\$600	\$600			\$5,289

MPO ID: LAM44								ADOPTION: 16-00		
Project Title:	Roadway Drainage Improvements 14-00 (CR)							TransNet - LSI: CR		
Project Description:	King Street from Waite Drive to Hoffman Avenue; Garfield St; Randlett Dr., Pasadena Drive; and other locations as identified by the City - improvements to address inadequate street drainage by constructing new or improving existing storm drain or surface improvements, reducing roadway flooding									
	Capacity Status: NCI		Exempt Category: Safety - Pavement resurfacing and/or rehabilitation							
Est Total Cost: \$4,410										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - LSI	\$3,456	\$1,856	\$200	\$200	\$400	\$400	\$400			\$3,456
TransNet - LSI Carry Over	\$954	\$954								\$954
TOTAL	\$4,410	\$2,810	\$200	\$200	\$400	\$400	\$400			\$4,410

MPO ID: LAM46							ADOPTION: 16-00			
Project Title:		Regional Arterial Management System (RAMS)					TransNet - LSI: CR			
Project Description:		Citywide - Regional traffic signal connection. TransNet - LSI RAMS of \$7 is programmed through FY 2021								
Capacity Status: NCI		Exempt Category: Other - Traffic signal synchronization projects								
Est Total Cost: \$52										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - LSI		\$52	\$15	\$7	\$7	\$7	\$7	\$7	\$52	
TOTAL		\$52	\$15	\$7	\$7	\$7	\$7	\$7	\$52	

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

Lemon Grove, City of

MPO ID: LG13								ADOPTION: 16-00		
Project Title:	Lemon Grove Avenue Realignment Project							RTP PG NO: B-38		
Project Description:	Lemon Grove Avenue at SR-94 - a key project in the redevelopment of the city's Downtown Village Specific Plan, this project will realign Lemon Grove Avenue at SR-94 adding traffic lanes and improving access to and from SR-94, reducing motorist delays and emissions							RAS (M-41) <i>TransNet</i> - LSI: CR		
Capacity Status: CI			Exempt Category: Non-Exempt							
Est Total Cost: \$3,234 Open to Traffic: Jul 2017										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
<i>TransNet</i> - L (Cash)	\$1,413	\$1,413								\$1,413
<i>TransNet</i> - LSI	\$64	\$64						\$6		\$58
<i>TransNet</i> - LSI Carry Over	\$1,563	\$563	\$1,000							\$1,563
Local RTCIP	\$194	\$8	\$186							\$194
TOTAL	\$3,234	\$2,048	\$1,186					\$6		\$3,228

MPO ID: LG14								ADOPTION: 16-00		
Project Title:	Traffic Improvements (Preventive Maintenance)							TransNet - LSI: Maint		
Project Description:	Citywide - traffic related projects scheduled throughout each fiscal year: traffic loop replacements, traffic signal upgrades, speed survey, street striping improvements, traffic calming studies, and the repair or replacement of street signs; these projects are part of the annual maintenance program established within the City to maintain the operational readiness of the street system									
Capacity Status: NCI			Exempt Category: Safety - Non signalization traffic control and operating							
Est Total Cost: \$1,230										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - LSI	\$831	\$231	\$120	\$120	\$120	\$120	\$120			\$831
TransNet - LSI Carry Over	\$399	\$399						\$1		\$398
TOTAL	\$1,230	\$630	\$120	\$120	\$120	\$120	\$120	\$1		\$1,229

MPO ID: LG15			ADOPTION: 16-00							
Project Title:	Storm Drain Rehabilitation (Preventive Maintenance)							TransNet - LSI: Maint		
Project Description:	Citywide - improvements or repairs to multiple storm drain facilities such as spot repairs to existing pipes, berms or other diversion devices; attention will be given to the continuous maintenance of Chollas Creek in accordance with the requirements of the National Pollutant Discharge Elimination System (NPDES) permit which involve debris removal, vegetation control, and/or habitat restoration; city staff/consultant to inventory storm drain system and input into GIS; condition assessment, repair options and strategy report to follow									
Capacity Status: NCI			Exempt Category: Other - Plantings, landscaping, etc							
Est Total Cost: \$800										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - LSI	\$590	\$150	\$88	\$88	\$88	\$88	\$88			\$590
TransNet - LSI Carry Over	\$210	\$210						\$27		\$183
TOTAL	\$800	\$360	\$88	\$88	\$88	\$88	\$88	\$27		\$773

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

Lemon Grove, City of

MPO ID: LG16			ADOPTION: 16-00							
Project Title:	Storm Drain Rehabilitation (Congestion Relief)							TransNet - LSI: CR		
Project Description:	Citywide - evaluate, prioritize, and implement improvements to the city's storm drain system by identifying deteriorated or problematic portions of the storm drain system, perform risk assessments to prioritize need, and perform the necessary construction repairs or replacements to avoid roadway flooding									
	Capacity Status: NCI		Exempt Category: Safety - Hazard elimination program							
Est Total Cost: \$1,179										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - LSI	\$975	\$485	\$39	\$67	\$96	\$127	\$158			\$975
TransNet - LSI (Cash)	\$142	\$142								\$142
TransNet - LSI Carry Over	\$62	\$62								\$62
TOTAL	\$1,179	\$689	\$39	\$67	\$96	\$127	\$158			\$1,179

MPO ID: LG17			ADOPTION: 16-00							
Project Title:	Street Improvements (Preventive Maintenance)							TransNet - LSI: Maint		
Project Description:	Citywide - maintain city streets and fund costs to survey all streets as part of the pavement management system									
	Capacity Status: NCI		Exempt Category: Safety - Pavement resurfacing and/or rehabilitation							
Est Total Cost: \$930										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - LSI	\$774	\$524	\$50	\$50	\$50	\$50	\$50	\$15		\$759
TransNet - LSI Carry Over	\$156	\$156						\$25		\$131
TOTAL	\$930	\$680	\$50	\$50	\$50	\$50	\$50	\$40		\$890

MPO ID: LG18			ADOPTION: 16-00							
Project Title:	Traffic Improvements (Congestion Relief)							TransNet - LSI: CR		
Project Description:	Citywide - median installation for safety improvement or left turn movement, new traffic signals, passive permissive left turn installation, signal removal for congestion relief reasons, traffic signal upgrades, intersection lighting, traffic signal coordination, and traffic signal interconnection/optimization									
	Capacity Status: NCI		Exempt Category: Other - Intersection signalization projects							
Est Total Cost: \$254										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - LSI	\$254	\$155	\$20	\$20	\$20	\$20	\$20	\$4		\$250
TOTAL	\$254	\$155	\$20	\$20	\$20	\$20	\$20	\$4		\$250

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

Lemon Grove, City of

MPO ID: LG20			ADOPTION: 16-00							
Project Title:	Street Improvements (Congestion Relief - Non CI)							TransNet - LSI: CR		
Project Description:	Citywide - this project involves roadway rehabilitation (grinding and overlay, new structural pavement, or new overlay 1-inch thick or greater) of several streets within the city. Streets were prioritized for work based on levels of deterioration identified in the Pavement Management System; Sidewalk Rehabilitation: this annual project adds sidewalks, widens sidewalks, removes and/or replaces various sidewalk locations and installs Americans with Disabilities Act (ADA) compliant curb ramps throughout the city; Safe Routes to School match: these projects will improve the City's sidewalk system, eliminate several potential pedestrian hazards, install in-pavement lighted markings, and create a safety zone for school children and family members to walk and bike to and from school; Street Improvements: this as needed project would widen or install curb/gutter, sidewalk, curb ramps									
Capacity Status: NCI			Exempt Category: Safety - Pavement resurfacing and/or rehabilitation							
Est Total Cost: \$3,483										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - LSI	\$2,582	\$599	\$397	\$397	\$397	\$397	\$397			\$2,582
TransNet - LSI (Cash)	\$147	\$147								\$147
TransNet - LSI Carry Over	\$754	\$753						\$61		\$693
TOTAL	\$3,483	\$1,499	\$397	\$397	\$397	\$397	\$397	\$61		\$3,422

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

National City, City of

MPO ID: NC01								ADOPTION: 16-00		
Project Title:		Plaza Blvd Widening						RTP PG NO: A-27, B-38		
Project Description:		Plaza Blvd. from Highland Ave. to Euclid Ave. - Widen from 2 to 3 lanes including a new traffic lane in each direction, new sidewalks, sidewalk widening, traffic signal upgrades and interconnection at Plaza Blvd						RAS (M-41) <i>TransNet</i> - LSI: CR		
Capacity Status: CI		Exempt Category: Non-Exempt								
Est Total Cost: \$6,523 Open to Traffic: Jul 2018										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
<i>TransNet</i> - L	\$797	\$797						\$797		
<i>TransNet</i> - LSI	\$1,993	\$1,351	\$142	\$500				\$896	\$597	\$500
<i>TransNet</i> - LSI Carry Over	\$708	\$308	\$400					\$8	\$300	\$400
RSTP	\$2,000	\$2,000						\$2,000		
Local RTCIP	\$1,025		\$1,025					\$1,025		
TOTAL	\$6,523	\$4,456	\$1,567	\$500				\$3,701	\$897	\$1,925

MPO ID: NC03			ADOPTION: 16-00							
Project Title:		Street Resurfacing Project						TransNet - LSI: CR		
Project Description:		Harding Avenue (north-end to W. 30th St.), Van Ness Avenue(Leonard St. to 200'south), E. 31st St. (B Ave. to D Ave., Roosevelt Avenue (north-end to W. 18th St.), Thelma Way (4th St. to E. 5th St.), E Avenue (E. 20th St. to Cul-de-sac), B Avenue (E. 7th St. to E. 8th St.), E. 5th Street (D Ave. to Highland Ave.), E. 17th St. (N Ave. to Palm Ave.), F Avenue (E. 4th St. to E. 8th St.), Lanoitan Avenue (Division St. to Melrose St.), Burden Dr. (E. 7th St. to E. 8th St.), E. 1st St. (Euclid Ave. to Clairmont Ave.), E. 24th St. (N.C. Blvd. to D Ave.), E. 2nd St. (Valva Ave. to Clairmont Ave.) W. 19th St. (Wilson Ave. to Harding Ave.), E. 3rd St. (Valva Ave. to Clairmont Ave.), W. 16th Street (Hoover Ave. to N.C. Blvd.), Prospect Avenue (E. 20th St. to E. 22nd St.), E. 28th St. (J Ave. to K Ave.), U Avenue (E. 1st St. to E. 4th St.), Paradise Dr. (PCC Fork in Road to E. 10th St.) E. 5th St. (N.C. Blvd. to D Ave.), E. 5th St. (Q Ave. to R Ave.), N Avenue (E. 16th St. to E. 18th St.), E. 15th St. (Highland Ave. to K Ave.), G Ave.(E. 21st St. to E. 22nd St.), E. 7th St. (Palm Ave. to Q Ave.), F Ave. (E. 26th St. to E. 28th St.), E. 18th St. (Highland Ave. to Palm Ave.), Valva Ave. (Melrose St. to E. 3rd St.), Paradise Drive (E. 8th St. to Fork in Road), Salot Street (E. 7th St. to E. 8th St.), I Ave. (E. 13th St. to E. 15th St.), Melrose St. (Valva Ave. to Clairmont Ave.), V Ave. (E. 7th St. to E. 8th St.), C Ave. (E. 18th St. to E. 22nd St.), Terry Lane (R Ave. to East Cul-de-sac), W. 11th St. (Hoover Ave. to N.C. Blvd.), 40 W. 20th St. (Wilson Ave. to Harding Ave.), E. 16th St. (N Ave. to Palm Ave.),E. 28th St. (K Ave. to L Ave.) - provide roadway rehabilitation (grinding and new overlay 1 inch thick or greater) and repair of concrete sidewalks, curb and gutters at multiple locations throughout the City								
Capacity Status:		NCI		Exempt Category: Safety - Pavement resurfacing and/or rehabilitation						
Est Total Cost: \$22,180										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - CP	\$4,500	\$4,500								\$4,500
TransNet - L	\$5,313	\$5,313								\$5,313
TransNet - L (Cash)	\$629	\$629								\$629
TransNet - LSI	\$5,222	\$2,122		\$300	\$900	\$800	\$1,100			\$5,222
TransNet - LSI (Cash)	\$2,402	\$2,402								\$2,402
Local Funds	\$4,114	\$4,114								\$4,114
TOTAL	\$22,180	\$19,080		\$300	\$900	\$800	\$1,100			\$22,180

Tuesday, September 20, 2016

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

National City, City of

MPO ID: NC04							ADOPTION: 16-00			
Project Title:	Traffic Signal Install/Upgrade							TransNet - LSI: CR		
Project Description:	National City Boulevard (1st Street to 35th Street), Plaza Boulevard (Roosevelt Avenue to Paradise Valley Road), Euclid Avenue (Division Street to Sweetwater Road), 30th Street (National City Boulevard to Euclid Avenue), Harbor Drive (Civic Center Drive to 8th Street), Highland Avenue (Division Street to 30th Street), 8th Street (Harbor Drive to Paradise Valley Road), Division Street (Highland Avenue to Harbison Avenue), DD Avenue (8th Street to 30th Street), Palm Avenue (Division Street to 18th Street), 18th Street (National City Boulevard to Euclid Avenue), 24th Street (Tidelands Avenue to Highland Avenue), Sweetwater Road (Euclid Avenue to Plaza Bonita Center Way) - install and/or upgrade traffic signal/coordination at locations identified by the City's Traffic Monitoring Program in order to reduce congestion and intersection delays; coordinate regional traffic through the Regional Arterial Management System. TransNet - LSI RAMS of \$8 is programmed through FY 2021									
Capacity Status: NCI		Exempt Category: Other - Intersection signalization projects								
Est Total Cost: \$539										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - LSI	\$539		\$216	\$71	\$28	\$86	\$138			\$539
TOTAL	\$539		\$216	\$71	\$28	\$86	\$138			\$539

MPO ID: NC15								ADOPTION: 16-00		
Project Title:	Citywide Safe Routes to Schools							TransNet - LSI: CR		
Project Description:	Various locations throughout the City of National City - traffic calming and pedestrian safety/access enhancements for several schools on the eastside of the City									
Capacity Status: NCI			Exempt Category: Air Quality - Bicycle and pedestrian facilities							
Est Total Cost: \$3,164										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - LSI	\$2,664	\$900	\$564	\$200	\$200	\$400	\$400	\$900		\$1,764
TransNet - LSI Carry Over	\$500	\$500						\$500		
TOTAL	\$3,164	\$1,400	\$564	\$200	\$200	\$400	\$400	\$1,400		\$1,764

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

North County Transit District

MPO ID: NCTD02								ADOPTION: 16-00		
Project Title:			Preventive Maintenance							
Project Description:			NCTD service area - This project funds preventive maintenance for the District bus fixed route, rail, facilities, maintenance of way and signals.							
Capacity Status: NCI			Exempt Category: Mass Transit - Transit operating assistance							
Est Total Cost: \$110,446										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
FTA 5307	\$61,305		\$18,634	\$18,784	\$13,909	\$9,977		\$61,305		
FTA 5337	\$14,144		\$1,659		\$6,653	\$5,832		\$14,144		
TDA	\$34,997		\$5,560	\$8,093	\$8,639	\$12,705		\$34,997		
TOTAL	\$110,446		\$25,853	\$26,877	\$29,201	\$28,514		\$110,446		

MPO ID: NCTD03							ADOPTION: 16-00			
Project Title:			ADA Paratransit Services							
Project Description:			NCTD service area - This project supports the operations of the District ADA/paratransit services.							
Capacity Status: NCI			Exempt Category: Mass Transit - Transit operating assistance							
Est Total Cost: \$25,094										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - ADA	\$3,225	\$1,754	\$345	\$360	\$375	\$391		\$3,225		
FTA 5307	\$2,000	\$2,000						\$2,000		
Local Funds	\$7,981	\$7,981						\$7,981		
TDA	\$11,888	\$3,685	\$1,922	\$2,003	\$2,093	\$2,185		\$11,888		
TOTAL	\$25,094	\$15,420	\$2,267	\$2,363	\$2,468	\$2,576		\$25,094		

MPO ID: NCTD05							ADOPTION: 16-00			
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.								
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: \$33,443										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
FTA 5307	\$6,166			\$734	\$2,014	\$3,418				\$6,166
FTA 5337	\$14,283		\$5,858	\$5,337	\$220	\$2,868				\$14,283
FTA 5339	\$6,310		\$1,539	\$1,570	\$1,601	\$1,601				\$6,310
TDA	\$6,684		\$1,849	\$1,910	\$959	\$1,966				\$6,684
TOTAL	\$33,443		\$9,246	\$9,551	\$4,794	\$9,853				\$33,443

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

North County Transit District

MPO ID: NCTD06								ADOPTION: 16-00		
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, with bus washes at the BREEZE East/West divisions, fire alarm and fuel crane metering at the COASTER Operations facility, supporting information systems, and the replacement of two (2) rail fleet support vehicles.								
Capacity Status:		NCI		Exempt Category: Mass Transit - Purchase of office, shop and operating equipment for existing facilities						
Est Total Cost: \$32,108										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
FTA 5307	\$13,803	\$13,803								\$13,803
FTA 5309 (Bus)	\$332	\$332								\$332
FTA 5337	\$6,077	\$2,717	\$400	\$2,560	\$400					\$6,077
Transit Security (TSGP)	\$1,538	\$1,538								\$1,538
Local Funds	\$5,474	\$5,474								\$5,474
TDA	\$4,884	\$2,119	\$850	\$890	\$800	\$225				\$4,884
TOTAL	\$32,108	\$25,983	\$1,250	\$3,450	\$1,200	\$225				\$32,108

MPO ID: NCTD16B								ADOPTION: 16-00		
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.								
Capacity Status:		NCI		Exempt Category: Mass Transit - Transit operating assistance						
Est Total Cost: \$8,622										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - TSI	\$8,616		\$2,174	\$2,174	\$2,135	\$2,135		\$8,616		
TDA	\$6			\$6				\$6		
TOTAL	\$8,622		\$2,174	\$2,180	\$2,135	\$2,135		\$8,622		

MPO ID: NCTD18								ADOPTION: 16-00		
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, including Bridge 243 strengthening, grade crossing replacement, right-of-way (ROW) drainage improvement, fencing, turnout replacement, and the Vita Gold Yard rehabilitation.								
Capacity Status:		NCI		Exempt Category: Mass Transit - Track rehabilitation in existing right of way						
Est Total Cost: \$4,327										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
FTA 5337	\$2,886		\$600	\$760	\$1,526					\$2,886
TDA	\$1,441		\$470	\$190	\$381	\$400				\$1,441
TOTAL	\$4,327		\$1,070	\$950	\$1,907	\$400				\$4,327

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

North County Transit District

MPO ID: NCTD20							ADOPTION: 16-00				
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 locomotive and traction motor overhauls, Diesel Multiple Unit (DMU) rehabilitation and power pack overhauls, as well as supporting the Positive Train Control initiative.									
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: \$23,817											
		TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
FTA 5337		\$12,906		\$3,085	\$3,177	\$3,273	\$3,371				\$12,906
TDA		\$10,911		\$2,772	\$3,964	\$1,694	\$2,481				\$10,911
TOTAL		\$23,817		\$5,857	\$7,141	\$4,967	\$5,852				\$23,817

MPO ID: NCTD34								ADOPTION: 16-00		
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 intercity bus and rural services.							
Capacity Status: NCI			Exempt Category: Mass Transit - Transit operating assistance							
Est Total Cost: \$164,531										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - TSI	\$47,056		\$10,904	\$11,446	\$12,054	\$12,650		\$47,056		
FTA 5311	\$1,645		\$411	\$411	\$411	\$411		\$1,645		
STA	\$19,081		\$4,770	\$4,770	\$4,770	\$4,770		\$19,081		
TDA	\$96,749		\$24,991	\$23,111	\$26,416	\$22,231		\$96,749		
TOTAL	\$164,531		\$41,076	\$39,738	\$43,651	\$40,062		\$164,531		

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

Oceanside, City of

MPO ID: O17								ADOPTION: 16-00		
Project Title:	Loma Alta Creek/Sprinter Detention Basin							TransNet - LSI: CR		
Project Description:	Loma Alta Creek and Sprinter right-of-way east of El Camino Real and east of Rancho del Oro Blvd. - construction of flood control walls to protect road (El Camino Real and Rancho del Oro Drive) and transit facilities (NCTD Sprinter rail line)									
	Capacity Status: NCI		Exempt Category: Mass Transit - Track rehabilitation in existing right of way							
Est Total Cost: \$12,485										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - L	\$7,000	\$7,000								\$7,000
TransNet - LSI	\$100	\$100								\$100
TransNet - LSI Carry Over	\$2,000	\$2,000								\$2,000
Local Funds	\$3,385		\$115	\$150	\$3,000	\$60	\$60			\$3,385
TOTAL	\$12,485	\$9,100	\$115	\$150	\$3,000	\$60	\$60			\$12,485

MPO ID: O18							ADOPTION: 16-00			
Project Title:	Neighborhood Sidewalk/ADA/Traffic Improvements						TransNet - LSI: Maint			
Project Description:	The yearly list of neighborhoods with scheduled road maintenance is available upon request - in Oceanside, slurry sealing of streets, sidewalk repair, parkway and median landscape maintenance, minor storm drain culvert maintenance, and streetlight repairs; work each year is scheduled by neighborhood									
	Capacity Status: NCI		Exempt Category: Safety - Pavement resurfacing and/or rehabilitation							
Est Total Cost: \$16,679										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - L	\$1,150	\$1,150								\$1,150
TransNet - L (Cash)	\$600	\$600								\$600
TransNet - LSI	\$8,859	\$1,899		\$1,865	\$1,565	\$1,665	\$1,865			\$8,859
TransNet - LSI Carry Over	\$6,070	\$5,500	\$570							\$6,070
TOTAL	\$16,679	\$9,149	\$570	\$1,865	\$1,565	\$1,665	\$1,865			\$16,679

MPO ID: O22								ADOPTION: 16-00			
Project Title:	College Boulevard Widening from Vista Way to Old Grove Road							RAS (M-41)			
Project Description:	College Boulevard from Vista Way to Old Grove Road - in Oceanside, traffic calming without additional lanes between Roselle Street and Waring Road/Barnard Road (first phase). The second phase is widening from the existing four lanes to six lanes with bike lanes and raised median between Avenida de la Plata and Olive Avenue.							TransNet - LSI: CR			
Capacity Status: CI		Exempt Category: Non-Exempt									
Est Total Cost: \$10,715 Open to Traffic: Phase 1: Dec 2018 Phase 2: Jun 2021											
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON	
TransNet - LSI Carry Over	\$200	\$200						\$200			
Local Funds	\$9,615		\$215	\$700	\$1,700	\$3,500	\$3,500	\$915		\$8,700	
Local RTCIP	\$900		\$300	\$300	\$300			\$600		\$300	
TOTAL	\$10,715	\$200	\$515	\$1,000	\$2,000	\$3,500	\$3,500	\$1,715		\$9,000	

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

Oceanside, City of

MPO ID: O24							ADOPTION: 16-00			
Project Title:		Street Overlay Program					TransNet - LSI: CR			
Project Description:		See attached list for FY 2016-17 streets - in Oceanside, permanent asphalt overlay (2-inch thickness) of arterial streets								
		Capacity Status: NCI		Exempt Category: Safety - Pavement resurfacing and/or rehabilitation						
Est Total Cost: \$36,072										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - LSI	\$12,290	\$890	\$300	\$2,200	\$2,900	\$3,000	\$3,000			\$12,290
TransNet - LSI (Cash)	\$20	\$20								\$20
TransNet - LSI Carry Over	\$23,762	\$14,462	\$5,200	\$4,000	\$100					\$23,762
TOTAL	\$36,072	\$15,372	\$5,500	\$6,200	\$3,000	\$3,000	\$3,000			\$36,072

MPO ID: O25								ADOPTION: 16-00		
Project Title:	Traffic Management Center and Adaptive Traffic Signals							TransNet - LSI: CR		
Project Description:	Traffic signal cameras at College Boulevard and El Camino Real, College Boulevard and SR-78, El Camino Real and SR-78, Oceanside Boulevard and El Camino Real, College Boulevard and North River Road, Mission Avenue and El Camino Real, Coast Highway and Mission Avenue, Coast Highway and Oceanside Boulevard. Interconnect wiring on Mission Avenue between Airport Road and Mesa Drive. Fiber-optic cable on Mission west of Coast Hwy, Coast Hwy between Surfrider and Mission, N Pacific Street between Surfrider and Pier View Way, The Strand between Surfrider and Seagaze, and N Myers St between Seagaze and Pier View Way - in the City of Oceanside, expansion and upgrade of a new traffic management center (TMC) to conduct real time traffic monitoring and demand-based adaptive control of traffic signals and streetlights. Includes traffic signal interconnect in Mission Avenue between Airport Road and Mesa Drive. Also includes reconstruction of the traffic signals at S Coast Hwy and Vista Way, and Mission Ave and Mesa Drive for new pedestrian push buttons and remote camera and signal timing control.									
Capacity Status: NCI		Exempt Category: Other - Traffic signal synchronization projects								
Est Total Cost: \$4,370										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - LSI	\$3,640	\$1,250	\$1,590	\$200	\$200	\$200	\$200			\$3,640
TransNet - LSI Carry Over	\$450	\$450								\$450
ARRA - DOE	\$280	\$280								\$280
TOTAL	\$4,370	\$1,980	\$1,590	\$200	\$200	\$200	\$200			\$4,370

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

Oceanside, City of

MPO ID: O33			ADOPTION: 16-00							
Project Title:		Coast Highway Corridor Study						TransNet - LSI: CR		
Project Description:		Coast Highway from San Luis Rey River bridge to Southern city limit - in Oceanside, on Coast Highway from the bridge over the San Luis Rey River to the southerly city limit: reduce the four-lane roadway to two lanes with bike lanes, on-street parking and roundabouts at the following cross-streets: SR-76, Surfrider, Civic Center, Pierview, Michigan, Wisconsin, Oceanside Blvd, Morse Street, and Cassidy Street								
		Capacity Status: NCI		Exempt Category: Other - Engineering studies						
Est Total Cost: \$397										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - LSI	\$100		\$100					\$100		
TransNet - LSI Carry Over	\$297	\$297						\$297		
TOTAL	\$397	\$297	\$100					\$397		

MPO ID: O35								ADOPTION: 16-00		
Project Title:		Regional Arterial Management System (RAMS)						TransNet - LSI: CR		
Project Description:		County-wide - Oceanside cost-share for the Regional Arterial Management System. TransNet - LSI RAMS of \$11 is programmed through FY 2021								
		Capacity Status: NCI		Exempt Category: Other - Traffic signal synchronization projects						
Est Total Cost: \$90										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - LSI	\$90	\$34	\$11	\$11	\$11	\$11	\$11	\$90		
TOTAL	\$90	\$34	\$11	\$11	\$11	\$11	\$11	\$90		

MPO ID: O36				ADOPTION: 16-00						
Project Title:		El Corazon Access at Ocean Ranch Road						TransNet - LSI: CR		
Project Description:		Ocean Ranch Road from Rancho del Oro to 200 feet west - extend Ocean Ranch Road to the El Corazon development area; modify the existing traffic signal at the intersection of Ocean Ranch Road and Rancho del Oro to add the fourth intersection leg								
Capacity Status: NCI		Exempt Category: Other - Intersection channelization projects								
Est Total Cost: \$680										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - LSI	\$680		\$680							\$680
TOTAL	\$680		\$680							\$680

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

Oceanside, City of

MPO ID: O37								ADOPTION: 16-00		
Project Title:	Bicycle Master Plan and Bicycle Safety Improvement							TransNet - LSI: CR		
Project Description:	Seagaze Drive between N Coast Highway and Horne Street. Also includes other locations to be determined - in the City of Oceanside, construction of curb "pop-outs", bike lanes, sharrows and crosswalks for improved bicycle and pedestrian safety. Also includes Oceanside local match for Smart Growth project per SANDAG grant agreement 5004748, and part-time bicycle program coordinator.									
Capacity Status: NCI		Exempt Category: Air Quality - Bicycle and pedestrian facilities								
Est Total Cost: \$240										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - LSI	\$240	\$120	\$120							\$240
TOTAL	\$240	\$120	\$120							\$240

MPO ID: O38								ADOPTION: 16-00		
Project Title:	Road Safety and Access Improvements							TransNet - LSI: CR		
Project Description:	Various locations - in the City of Oceanside, construction of new curb access ramps, new sidewalk for pedestrian access, traffic signal safety modifications, neighborhood speed control devices, school safety improvement and new pavement delineation									
Capacity Status: NCI			Exempt Category: Safety - Safety Improvement Program							
Est Total Cost: \$1,650										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - LSI	\$1,650		\$450	\$360	\$280	\$280	\$280			\$1,650
TOTAL	\$1,650		\$450	\$360	\$280	\$280	\$280			\$1,650

MPO ID: O39				ADOPTION: 16-00						
Project Title:	Storm Drain Improvements						TransNet - LSI: Maint			
Project Description:	Three locations: S Clementine St and Topeka St; N Clementine St and Surfrider Way; Coco Palms Drive between El Camino Real and Sunfish Lane - construction of curb drains and culverts where localized flooding of vehicle travel lanes occurs. Project uses green streets concepts to include underground storage of runoff.									
	Capacity Status: NCI		Exempt Category: Safety - Shoulder Improvements							
Est Total Cost: \$755										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - LSI	\$755	\$100	\$655					\$100		\$655
TOTAL	\$755	\$100	\$655					\$100		\$655

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

Oceanside, City of

MPO ID: O40								ADOPTION: 16-00		
Project Title:	Railroad Crossing Safety Improvements							TransNet - LSI: CR		
Project Description:	Coastal railroad corridor at the following streets: Surfrider Avenue, Mission Avenue, Wisconsin Avenue, Oceanside Boulevard, and Cassidy Street - in the City of Oceanside, rail crossing safety improvements on the coastal railroad line at the following at-grade crossings; the crossing improvements includes upgrades to the railroad signaling and communication systems, queue-cutter traffic signals at Mission Avenue, pedestrian crossing gates, sidewalk and median reconstruction, and fencing.									
	Capacity Status: NCI		Exempt Category: Safety - Railroad/highway crossing							
Est Total Cost: \$6,350										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - CP	\$5,000		\$2,000	\$3,000						\$5,000
TransNet - LSI	\$650	\$650						\$650		
TransNet - LSI Carry Over	\$700				\$700					\$700
TOTAL	\$6,350	\$650	\$2,000	\$3,000	\$700			\$650		\$5,700

MPO ID: O41								ADOPTION: 16-00		
Project Title:	Lot 23 Transit Parking Structure							TransNet - LSI: CR		
Project Description:	Cleveland Street from Pier View Way to Pier View Way - Oceanside, at the intersection of Cleveland Street and the Pier View Way pedestrian undercrossing, construction of parking structure making 325 public parking spaces available for bus and train commuters at the Oceanside Transit Center									
	Capacity Status: NCI		Exempt Category: All Projects - Bus terminal and transfer points							
Est Total Cost: \$10,000										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - L (Cash)	\$1,000	\$1,000						\$200	\$250	\$550
TransNet - LSI	\$263	\$263							\$140	\$123
TransNet - LSI (Cash)	\$950	\$950								\$950
TransNet - LSI Carry Over	\$287	\$287								\$287
Local Funds	\$7,500	\$4,000	\$3,500						\$410	\$7,090
TOTAL	\$10,000	\$6,500	\$3,500					\$200	\$800	\$9,000

MPO ID: O44								ADOPTION: 16-00		
Project Title:	El Camino Real Guardrail							RAS (M-41)		
Project Description:	El Camino Real from Mesa Drive to SR-76 Overcrossing - Design of metal beam guardrail on the west side of El Camino Real between Mesa Drive and the SR-76 overcrossing.							TransNet - LSI: CR		
	Capacity Status: NCI		Exempt Category: Safety - Guardrails, median barriers, crash cushions							
Est Total Cost: \$50										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - LSI	\$50		\$50					\$50		
TOTAL	\$50		\$50					\$50		

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

Oceanside, City of

MPO ID: O45							ADOPTION: 16-00				
Project Title:		Douglas Drive and Mission Avenue Median Construction						RAS (M-41)			
Project Description:		Mission Avenue from Carolyn Circle to Fousatt Road - construction of raised medians at two locations: 1. Douglas Drive between 300 feet south of Westport Drive and 250 feet north of Festival Drive (\$80,0000 match for HSIP7-11-0009); and 2. Mission Avenue between Carolyn Circle and Fousatt Rd						TransNet - LSI: Maint			
		Capacity Status: NCI		Exempt Category: Safety - Adding medians							
Est Total Cost: \$150											
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON	
TransNet - LSI Carry Over		\$150		\$150						\$150	
TOTAL		\$150		\$150						\$150	
*Local match for HSIP project CAL417 programmed under CAL105											

MPO ID: O46					ADOPTION: 16-00						
Project Title:		Coastal Rail Trail						TransNet - LSI: CR			
Project Description:		Coastal railroad right-of-way from Oceanside Boulevard to Morse Street - environmental study and design for a class 1 bikeway along the coastal railroad right-of-way									
		Capacity Status: NCI		Exempt Category: Air Quality - Bicycle and pedestrian facilities							
Est Total Cost: \$150											
		TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - LSI		\$150		\$75	\$75				\$150		
TOTAL		\$150		\$75	\$75				\$150		

MPO ID: O47				ADOPTION: 16-00							
Project Title:		Pier View Pedestrian Bridge Study and Renovation						TransNet - LSI: CR			
Project Description:		Piew View Way from N Coast Hwy to Oceansider Pier - engineering study for permanent structural repairs to the Pier View Way pedestrian bridge with CON funds to provide for temporary repairs									
		Capacity Status: NCI		Exempt Category: Air Quality - Bicycle and pedestrian facilities							
Est Total Cost: \$500											
		TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - LSI		\$500		\$500					\$400		\$100
TOTAL		\$500		\$500					\$400		\$100

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

Poway, City of

MPO ID: POW20							ADOPTION: 16-00			
Project Title:		16/17 Annual Reconstruction and Overlay Project						TransNet - LSI: CR		
Project Description:		In Poway Reconstruct localized arterial reconstruction on Scripps Poway Parkway from Kirkham St to East City Limits - reconstruct and Overlay Streets greater than 1" thick AC								
		Capacity Status: NCI		Exempt Category: Safety - Pavement resurfacing and/or rehabilitation						
Est Total Cost: \$1,015										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - LSI	\$843		\$843							\$843
TransNet - LSI Carry Over	\$172		\$172							\$172
TOTAL	\$1,015		\$1,015							\$1,015

MPO ID: POW28								ADOPTION: 16-00			
Project Title:		Street Maintenance Project Zones 7 (16/17) and 8 (17/18)						TransNet - LSI: Maint			
Project Description:		Zone 7 16/17, Zone 8 17/18 - in Poway; street maintenance project; construct slurry and CAPE seals on City Streets on an annually rotating zones									
		Capacity Status: NCI		Exempt Category: Safety - Pavement resurfacing and/or rehabilitation							
Est Total Cost: \$918											
		TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - LSI		\$918		\$450	\$468						\$918
TOTAL		\$918		\$450	\$468						\$918

MPO ID: POW29								ADOPTION: 16-00		
Project Title:	Citywide Traffic Signal Improvements							TransNet - LSI: CR		
Project Description:	Citywide - in Poway, Citywide traffic signal improvements for Regional Arterial Management System (RAMS). TransNet - LSI RAMS of \$7 is programmed through FY 2021									
	Capacity Status: NCI		Exempt Category: Other - Traffic signal synchronization projects							
Est Total Cost: \$58										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - LSI	\$58	\$22	\$7	\$7	\$7	\$7	\$7	\$58		
TOTAL	\$58	\$22	\$7	\$7	\$7	\$7	\$7	\$58		

MPO ID: POW30								ADOPTION: 16-00		
Project Title:	Street Maintenance Project Zone 1 (18/19), Zone 2 (19/20)							TransNet - LSI: Maint		
Project Description:	Zone 1 (18/19), Zone 2 (19/20) - in Poway; street maintenance project; construct slurry and CAPE seals on City streets on an annually rotating zones									
	Capacity Status: NCI		Exempt Category: Safety - Pavement resurfacing and/or rehabilitation							
Est Total Cost: \$988										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - LSI	\$988				\$481	\$507				\$988
TOTAL	\$988				\$481	\$507				\$988

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

Poway, City of

MPO ID: POW31								ADOPTION: 16-00		
Project Title:	17/18 Annual Street Reconstruction and Overlay Project							TransNet - LSI: CR		
Project Description:	In Poway reconstruct residential and arterial roads - Arteial Patching, Pomerado Rd and Poway Rd Intersection, Francine Terrace and other street to be identified. - in Poway - Arteial Patching, Pomerado Rd and Poway Rd Intersection, Francine Terrace and other street to be identified.; overlay and reconstruct streets greater than 1" thick AC									
Capacity Status: NCI		Exempt Category: Safety - Pavement resurfacing and/or rehabilitation								
Est Total Cost: \$886										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - LSI	\$886			\$886						\$886
TOTAL	\$886			\$886						\$886

MPO ID: POW32								ADOPTION: 16-00		
Project Title:	18/19 Annual Street Reconstruction and Overlay Project							TransNet - LSI: CR		
Project Description:	In Poway - localized arterial reconstruction on Espola Road - Reconstruct and overlay streets greater than 1" thick AC. - in Poway; overlay and reconstruct streets greater than 1" thick AC									
Capacity Status: NCI		Exempt Category: Safety - Pavement resurfacing and/or rehabilitation								
Est Total Cost: \$236										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - LSI	\$236				\$236					\$236
TOTAL	\$236				\$236					\$236

MPO ID: POW33								ADOPTION: 16-00		
Project Title:	Poway Road Pedestrian and Bicycle Project							RAS (M-41)		
Project Description:	Poway Rd from Oak Knoll Rd to Garden Rd - in Poway; reconstruct and raise the center raised medians on Poway Road from Garden Road to Oak Knoll Road; Phase 1							TransNet - LSI: CR		
Capacity Status: NCI		Exempt Category: Safety - Adding medians								
Est Total Cost: \$900										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - LSI	\$900				\$900					\$900
TOTAL	\$900				\$900					\$900

MPO ID: POW34								ADOPTION: 16-00		
Project Title:	Neighborhood Sidewalk Projects							TransNet - LSI: CR		
Project Description:	Powers Road from Tassel Road to Vaughan Road and Frame Road from Tassel Road to Vaughan Road - in Poway; construct new sidewalks in residential neighborhoods									
Capacity Status: NCI		Exempt Category: Air Quality - Bicycle and pedestrian facilities								
Est Total Cost: \$400										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - LSI	\$400		\$200	\$200						\$400
TOTAL	\$400		\$200	\$200						\$400

Tuesday, September 20, 2016

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

Poway, City of

MPO ID: POW36								ADOPTION: 16-00			
Project Title:		Neighborhood Sidewalk Project						TransNet - LSI: CR			
Project Description:		Springvale from Neddick to Aldrin - In Poway - Construct new sidewalks on Springvale Street from Neddick Ave to Adlrin St.									
		Capacity Status: NCI		Exempt Category: Air Quality - Bicycle and pedestrian facilities							
Est Total Cost: \$400											
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON	
TransNet - LSI	\$400						\$400			\$400	
TOTAL	\$400						\$400			\$400	

MPO ID: POW37								ADOPTION: 16-00			
Project Title:		Espola Road Bicycle and Pedestrian Widening						TransNet - LSI: CR			
Project Description:		Espola Road from Range Park to Poway Rd - In Poway - Widen Espola Rd from Range Park to Poway Rd to accommodate pedestrian and bicycle access									
		Capacity Status: NCI Exempt Category: Air Quality - Bicycle and pedestrian facilities									
Est Total Cost: \$900											
		TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - LSI		\$900					\$900				\$900
TOTAL		\$900					\$900				\$900

MPO ID: POW38							ADOPTION: 16-00				
Project Title:		20/21 Annual Reconstruction and Overlay Project					TransNet - LSI: CR				
Project Description:		Various Locations - In Poway - Reconstruct residential and arterial roads to be identified - overlay and reconstruct streets greater than 1" thick AC									
		Capacity Status: NCI		Exempt Category: Safety - Pavement resurfacing and/or rehabilitation							
Est Total Cost: \$825											
		TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - LSI		\$825						\$825			\$825
TOTAL		\$825						\$825			\$825

MPO ID: POW39							ADOPTION: 16-00			
Project Title:	Street Maintenance Project Zone 3 (20/21)						TransNet - LSI: Maint			
Project Description:	Zone 3 - In Poway - Zone 3 (20/21) street maintenance project; construct slurry and CAPE seals on City Streets on an annual rotating zone									
Capacity Status: NCI		Exempt Category: Safety - Pavement resurfacing and/or rehabilitation								
Est Total Cost: \$528										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - LSI	\$528						\$528			\$528
TOTAL	\$528						\$528			\$528

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

Poway, City of

MPO ID: POW40							ADOPTION: 16-00			
Project Title:	19/20 Annual Street Reconstruction and Overlay Project						RAS (M-41)			
Project Description:	Espola Road from West City Limits to Lake Poway Rd - In Poway - Arterial localized reconstruction on Espola Rd from West City Limits to Lake Poway Rd; Overlay and Reconstruct streets greater than 1" thick AC						TransNet - LSI: CR			
Capacity Status: NCI		Exempt Category: Safety - Pavement resurfacing and/or rehabilitation								
Est Total Cost: \$277										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - LSI	\$277					\$277				\$277
TOTAL	\$277					\$277				\$277

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

San Diego Association of Governments

MPO ID: SAN03A								ADOPTION: 16-00		
Project Title:		Freeway Service Patrol						SANDAG ID: 33102		
Project Description:		Countywide - provides rapid removal of disabled vehicles; joint project between SANDAG, Caltrans and California Highway Patrol to alleviate traffic congestion associated with non-recurring incidents, including oversight of weekend services								
		Capacity Status: NCI		Exempt Category: Safety - Non signalization traffic control and operating						
Est Total Cost: \$27,712										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
FSP	\$12,205		\$2,441	\$2,441	\$2,441	\$2,441	\$2,441			\$12,205
Local Funds	\$15,507		\$3,256	\$4,583	\$2,556	\$2,556	\$2,556			\$15,507
TOTAL	\$27,712		\$5,697	\$7,024	\$4,997	\$4,997	\$4,997			\$27,712

MPO ID: SAN04							ADOPTION: 16-00				
Project Title:		I-15 FasTrak®					RTP PG NO: A-5				
Project Description:		From SR 163 to SR 78 - expansion of FastTrak® system on I-15 in San Diego and Escondido to include electronic tolling equipment, operating system, toll operations office and customer service center					SANDAG ID: 1201504, 33104				
RT:15		Capacity Status: NCI		Exempt Category: Safety - Non signalization traffic control and operating							
Est Total Cost: \$26,793											
		TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - MC		\$25,928	\$25,461	\$467					\$6,038		\$19,890
Value Pricing Program		\$45	\$45						\$45		
FSP		\$812	\$812								\$812
Local Funds		\$8	\$8								\$8
TOTAL		\$26,793	\$26,326	\$467					\$6,083		\$20,710

MPO ID: SAN07A								ADOPTION: 16-00		
Project Title:	Plan, Program & Monitor						SANDAG ID: 150000, 31020, 33210			
Project Description:	Regionwide - planning, programming and monitoring activities related to transportation funding									
	Capacity Status: NCI		Exempt Category: Other - Non construction related activities							
Est Total Cost: \$3,315										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
STIP-RIP State Cash	\$3,315		\$1,105	\$1,105	\$1,105					\$3,315
TOTAL	\$3,315		\$1,105	\$1,105	\$1,105					\$3,315

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

San Diego Association of Governments

MPO ID: SAN11A								ADOPTION: 16-00			
Project Title:		Regional Rideshare Program						SANDAG ID: 33105, 33107			
Project Description:		Countywide - Component of overall regional Transportation Demand Management									
		Capacity Status: NCI		Exempt Category: Air Quality - Ride-sharing and van-pooling program							
Est Total Cost: \$34,431											
		TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
CMAQ		\$34,431		\$6,176	\$6,719	\$6,984	\$7,181	\$7,373			\$34,431
TOTAL		\$34,431		\$6,176	\$6,719	\$6,984	\$7,181	\$7,373			\$34,431

MPO ID: SAN13								ADOPTION: 16-00		
Project Title:	Joint Transit Operations Center							SANDAG ID: 1142600		
Project Description:	Regionwide - operations facility/control center to coordinate and integrate several Intelligent Transportation System (ITS) deployments; part of ITS regional architecture							EARMARK NO: E2008-BUSP-0111		
Capacity Status: NCI		Exempt Category: Mass Transit - Construction or renovation of power, signal, and communications systems								
Est Total Cost: \$2,086										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - H	\$1	\$1								\$1
FTA 5309 (Bus)	\$1,668	\$1,668								\$1,668
Loc Funds - Toll Funds	\$417	\$10	\$207	\$180	\$20			\$145		\$272
TOTAL	\$2,086	\$1,679	\$207	\$180	\$20			\$145		\$1,941

MPO ID: SAN23								ADOPTION: 16-00		
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 theUC San Diego campus, Executive Drive, and Westfield UTC							RTP PG NO: A-13; B-26 SANDAG ID: 1257001		
	Capacity Status: CI		Exempt Category: Non-Exempt							
Est Total Cost: \$2,171,201 Open to Traffic: Sep 2021										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - MC	\$1,127,692	\$223,356	\$100,000	\$150,000	\$210,000	\$149,780	\$294,556	\$11,777	\$53,321	\$1,062,594
TransNet - MC TIFIA Payback	\$(585,430)						\$(585,430)			\$(585,430)
FTA 5307	\$129	\$129						\$129		
FTA 5309 (NS)	\$1,043,380	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$543,380			\$1,043,380
Other Fed -TIFIA	\$585,430						\$585,430			\$585,430
TOTAL	\$2,171,201	\$323,485	\$200,000	\$250,000	\$310,000	\$249,780	\$837,936	\$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										

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

San Diego Association of Governments

MPO ID: SAN26B								ADOPTION: 16-00		
Project Title:		Downtown BRT Stations						SANDAG ID: 1201509		
Project Description:		Broadway corridor; Park Blvd, 11th Ave, Kettner Street and India Street - construct new and modify existing transit stations in downtown San Diego for Bus Rapid Transit (BRT) services								
		Capacity Status: CI		Exempt Category: Non-Exempt						
Est Total Cost: \$21,000		Open to Traffic: May 2016								
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - MC	\$21,000	\$19,470	\$1,520	\$10				\$4,551		\$16,449
TOTAL	\$21,000	\$19,470	\$1,520	\$10				\$4,551		\$16,449

MPO ID: SAN26C								ADOPTION: 16-00		
Project Title:	SR 15 Bus Rapid Transit (BRT) Mid-City Centerline Stations							SANDAG ID: 1201507		
Project Description:	At University Avenue and at El Cajon Blvd. (mid-city area of San Diego) - construct two new BRT transit stations in the median of SR-15									
	Capacity Status: CI		Exempt Category: Non-Exempt							
Est Total Cost: \$61,349 Open to Traffic: Nov 2017										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - MC	\$38,199	\$16,305	\$17,088	\$4,282	\$524			\$8,056	\$48	\$30,095
CMAQ	\$21,428	\$21,428								\$21,428
FTA 5307	\$1,722	\$1,722						\$761		\$961
TOTAL	\$61,349	\$39,455	\$17,088	\$4,282	\$524			\$8,817	\$48	\$52,484

MPO ID: SAN27								ADOPTION: 16-00		
Project Title:	San Ysidro Intermodal Freight Facility/South Line Rail						RTP PG NO: A-5			
Project Description:	On trolley system from Palomar Street station to San Ysidro station - SD&AE freight facility and South Line Mainline in San Ysidro - expansion of freight yard including adding storage racks and construction of truck-loading staging area; upgrading of freight railway including crossovers and signals						SANDAG ID: 1300601, 1300602			
Capacity Status: NCI		Exempt Category: Mass Transit - Track rehabilitation in existing right of way								
Est Total Cost: \$90,553										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - Border	\$13,646	\$10,795	\$2,405	\$445				\$3,485	\$441	\$9,720
CBI	\$600	\$600						\$600		
DEMO - TEA 21	\$8,700	\$8,700						\$3,232	\$2,080	\$3,388
Prop 1B - TCIF	\$65,441	\$65,441								\$65,441
State Cash	\$575	\$575						\$575		
TOTAL	\$88,962	\$86,111	\$2,405	\$445				\$7,892	\$2,521	\$78,549
*\$1.2M of federal DEMO funds included in OWP 34200; \$390K contribution from Chula Vista included in CHV60										

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

San Diego Association of Governments

MPO ID: SAN29							ADOPTION: 16-00			
Project Title:	Sorrento to Miramar Double Track/Realign						EA NO: R690SA			
Project Description:	Phase 1: Control Point (CP) Pines (Mile Post (MP) 249.8) to CP Miramar (MP 251), Phase 2: CP Miramar (MP 251) to CP Cumbres (MP 252.9) - realign curve and construct second main track; fully funds PE and design for both Phase 1 and Phase 2; construction for Phase 1 only						PPNO: 7301 RTP PG NO: A-5 SANDAG ID: 1239801, 1239812			
Capacity Status: NCI		Exempt Category: Mass Transit - Track rehabilitation in existing right of way								
Est Total Cost: \$56,741										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - MC	\$37,639	\$35,575	\$2,064					\$5,197	\$3,256	\$29,186
Fed Rail Admin (FRA-PRIIA)	\$3,102	\$3,102						\$3,102		
Prop 1B - TCIF	\$10,800	\$10,800								\$10,800
STIP-IIP PTA	\$3,900	\$3,900						\$3,900		
STIP-IIP State Cash	\$1,300	\$1,300						\$1,300		
TOTAL	\$56,741	\$54,677	\$2,064					\$13,499	\$3,256	\$39,986

MPO ID: SAN36							ADOPTION: 16-00			
Project Title:	Bus/Rail Signal & Communications Equipment						SANDAG ID: 1129200, 1145100,			
Project Description:	Countywide - bid display module, dispatch software, fixed guideway electrification/power distribution projects such as catenary replacement, Feeder Cable, SCADA, DC Breaker Replacement						1144000			
Capacity Status: NCI		Exempt Category: Mass Transit - Track rehabilitation in existing right of way								
Est Total Cost: \$16,790										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - MC	\$1,097		\$589	\$508						\$1,097
FTA 5307	\$11,443	\$11,443								\$11,443
FTA 5309 (FG)	\$1,112	\$1,112								\$1,112
Local Funds	\$2,353	\$2,353								\$2,353
TDA	\$785	\$785								\$785
TOTAL	\$16,790	\$15,693	\$589	\$508						\$16,790

MPO ID: SAN39							ADOPTION: 16-00			
Project Title:		Rail Electrification & Power Distribution 125-00					SANDAG ID: 1142000, 1144400			
Project Description:		MTS service area - catenary improvements, substation standardization, and improvements related to fixed guideway electrification and power distribution								
Capacity Status: NCI		Exempt Category: Mass Transit - Track rehabilitation in existing right of way								
Est Total Cost: \$24,156										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - MC	\$497	\$497								\$497
FTA 5307	\$6,798	\$6,798								\$6,798
FTA 5309 (FG)	\$2,682	\$2,682								\$2,682
FTA Funds - AR-5307	\$12,000	\$12,000								\$12,000
Local Funds	\$951	\$951								\$951
TDA	\$1,228	\$968	\$260							\$1,228
TOTAL	\$24,156	\$23,896	\$260							\$24,156

Tuesday, September 20, 2016

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

San Diego Association of Governments

MPO ID: SAN40							ADOPTION: 16-00			
Project Title:		Metropolitan Planning					SANDAG ID: 33001, 33201,			
Project Description:		Countywide - ongoing regional transportation planning as well as administrative oversight for various <i>TransNet</i> and FTA-funded programs.					33003, 33203, 33216, 34200, 23016			
Capacity Status:		NCI		Exempt Category: Other - Non construction related activities						
Est Total Cost: \$40,819										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
<i>TransNet</i> - BPNS	\$120	\$80	\$20		\$20			\$120		
<i>TransNet</i> - MC	\$395	\$395						\$395		
<i>TransNet</i> - SGIP	\$120	\$80	\$20		\$20			\$120		
<i>TransNet</i> - SS	\$252	\$168	\$42		\$42			\$252		
CBI	\$250	\$250						\$250		
FTA 5307	\$31,615	\$14,978	\$4,057	\$4,138	\$4,221	\$4,221		\$31,615		
FTA 5309TOD	\$239	\$239						\$239		
ITS	\$231	\$231						\$231		
Local Funds	\$7,597	\$3,438	\$1,014	\$1,035	\$1,055	\$1,055		\$7,597		
TOTAL	\$40,819	\$19,859	\$5,153	\$5,173	\$5,358	\$5,276		\$40,819		

MPO ID: SAN46								ADOPTION: 16-00		
Project Title:	Super Loop							RTP PG NO: A-5		
Project Description:	In University City along Voigt Drive, Genesee Avenue, Nobel Drive, Gilman Drive, and Executive Drive - new Rapid bus service, traffic signal priority measures, signalized intersections, street modifications, rapid bus vehicles, and enhanced transit stops							SANDAG ID: 1041502		
Capacity Status: CI		Exempt Category: Non-Exempt								
Est Total Cost: \$36,071 Open to Traffic: Jun 2012										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - MC	\$34,033	\$29,773	\$3,709	\$551				\$10,030	\$450	\$23,553
TransNet - Transit	\$699	\$699						\$699		
FTA 5309 (NS)	\$617	\$617						\$617		
Local Funds	\$722	\$722								\$722
TOTAL	\$36,071	\$31,811	\$3,709	\$551				\$11,346	\$450	\$24,275

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

San Diego Association of Governments

MPO ID: SAN47								ADOPTION: 16-00		
Project Title:		South Bay BRT						RTP PG NO: A-13, A-35, B-26		
Project Description:		From the Otay Mesa Border Crossing to Downtown San Diego along SR 125, Palomar Street, I-805, and SR 94 - Rapid transit service from the I-805/Palomar Direct Access Ramp (DAR) to the Otay Mesa Border, including the construction of a guideway on East Palomar over SR 125, around Otay Ranch Town Center Mall and through the new Millenia development; construction of 7 new Rapid transit stations						SANDAG ID: 1280504		
		Capacity Status: CI		Exempt Category: Non-Exempt						
Est Total Cost: \$112,926				Open to Traffic: Jul 2018						
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - MC	\$98,087	\$29,525	\$27,843	\$37,599	\$3,120			\$21,230	\$3,500	\$73,357
TransNet - Transit	\$148	\$148						\$148		
FTA 5307	\$545	\$545						\$545		
FTA 5309 (Bus)	\$1,827	\$1,827						\$1,827		
CAP-TRADE	\$11,000	\$11,000								\$11,000
Local Funds	\$1,319	\$1,319						\$335		\$984
TOTAL	\$112,926	\$44,364	\$27,843	\$37,599	\$3,120			\$24,085	\$3,500	\$85,341

MPO ID: SAN54							ADOPTION: 16-00			
Project Title:	ITS Operating						SANDAG ID: 11448, 23015,			
Project Description:	Regionwide - implementation and deployment of Intelligent Transportation System (ITS) projects such as Intermodal Transportation Management System (IMTMS), 511 Advanced Traveler Information System; activities include data collection, dissemination, software upgrades						33105, 33110, 33111, 33118, 33119, 33307 <i>TransNet</i> - LSI: Maint			
Capacity Status: NCI		Exempt Category: Safety - Non signalization traffic control and operating								
Est Total Cost: \$22,494										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
<i>TransNet</i> - LSI	\$137	\$137						\$137		
<i>TransNet</i> - MC	\$22,357	\$13,189	\$2,240	\$1,942	\$1,917	\$1,522	\$1,547	\$22,357		
TOTAL	\$22,494	\$13,326	\$2,240	\$1,942	\$1,917	\$1,522	\$1,547	\$22,494		

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

San Diego Association of Governments

MPO ID: SAN55							ADOPTION: 16-00			
Project Title:	Bus & Fixed Guideway Support Equipment and Facilities 114-00 / 124-00						SANDAG ID: 1143900			
Project Description:	MTS service area - provide for support equipment and facilities work related to bus and rail operations such as roof renovations, shop equipment, Light Rail Vehicle (LRV) car wash replacement, building repairs, Intelligent Transportation infrastructure, servers, and storage, non-revenue vehicles, and safety and security equipment									
	Capacity Status: NCI		Exempt Category: Mass Transit - Purchase of office, shop and operating equipment for existing facilities							
Est Total Cost: \$2,089										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - MC	\$257	\$237	\$20							\$257
FTA 5307	\$1,331	\$1,331								\$1,331
TDA	\$501	\$501								\$501
TOTAL	\$2,089	\$2,069	\$20							\$2,089

MPO ID: SAN64				ADOPTION: 16-00						
Project Title:	Eastbrook to Shell Double Track							PPNO: 2074		
Project Description:	On coastal rail corridor from Control Point (CP) Eastbrook near Harbor Drive to CP Shell near Surfrider Way - in Oceanside, design to add a new 0.6 mile section of double track, add new signals and replace the 700-foot long San Luis Rey River Bridge over San Luis Rey River							SANDAG ID: 1239809		
Capacity Status: NCI				Exempt Category: Mass Transit - Track rehabilitation in existing right of way						
Est Total Cost: \$6,920										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - MC	\$3,000	\$2,736	\$157	\$107				\$3,000		
Fed Rail Admin (FRA-PRIIA)	\$3,920	\$3,920						\$3,920		
TOTAL	\$6,920	\$6,656	\$157	\$107				\$6,920		

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

San Diego Association of Governments

MPO ID: SAN66							ADOPTION: 16-00			
Project Title:	Grouped Projects for Rehabilitation or Reconstruction of Track Structures, Track, and Trackbed in Existing Rights-of-Way: Blue Line Corridor						SANDAG ID: 1210010, 1210020, 1210030, 1210040, 1210050, 1210070			
Project Description:	Projects are consistent with 40 CFR Part 93.126 Exempt Tables 2 and 3 categories - rehabilitation or reconstruction of track structures, track and trackbed in existing rights-of-way (non-capacity increasing)									
	Capacity Status: NCI		Exempt Category: Mass Transit - Reconstruction or renovation of transit structures							
Est Total Cost: \$279,366										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - MC	\$97,186	\$92,977	\$4,209							\$97,186
FTA 5307	\$11,313	\$11,313								\$11,313
FTA 5309 (NS)	\$335	\$335								\$335
FTA Funds - AR-5307	\$42,903	\$42,903								\$42,903
FTA Funds - AR-5309	\$2,011	\$2,011								\$2,011
Prop 1A - High Speed Rail	\$57,855	\$57,855								\$57,855
Prop 1B - SLPP	\$45,851	\$45,851								\$45,851
Local Funds	\$21,912	\$21,912								\$21,912
TOTAL	\$279,366	\$275,157	\$4,209							\$279,366

MPO ID: SAN73							ADOPTION: 16-00			
Project Title:		San Elijo Lagoon Double Track					SANDAG ID: 1239806, 3310708			
Project Description:		From MP 240.4 to MP 240.7 - design double track for Coastal Rail Corridor from CP Cardiff to CP Craven across San Elijo Lagoon - does not add additional transit service								
Capacity Status: NCI		Exempt Category: Mass Transit - Track rehabilitation in existing right of way								
Est Total Cost: \$73,237										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - MC	\$19,481	\$3,031	\$5,972	\$10,165	\$314			\$795	\$912	\$17,774
RSTP	\$9,413	\$9,413						\$5,263	\$422	\$3,728
Prop 1B - TCIF	\$4,343	\$4,343								\$4,343
STIP-RIP AC	\$40,000	\$40,000								\$40,000
TOTAL	\$73,237	\$56,787	\$5,972	\$10,165	\$314			\$6,058	\$1,334	\$65,845

MPO ID: SAN73A								ADOPTION: 16-00		
Project Title:	Chesterfield Drive Crossing Improvements							SANDAG ID: 1239817		
Project Description:	On Chesterfield Drive in the City of Encinitas, between Coast Highway 101 and San Elijo Avenue, and in the North County Transit District coastal rail corridor - complete final design and construct at-grade crossing improvements including bike and pedestrian facilities, double track rail, signals, and safety improvements at Chesterfield Drive									
	Capacity Status: NCI		Exempt Category: Safety - Railroad/highway crossing							
Est Total Cost: \$4,475										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - BPNS	\$486	\$100	\$386					\$100		\$386
TransNet - MC	\$1,751	\$152	\$190	\$1,389	\$20			\$152		\$1,599
Fed Rail Admin (FRA-PRIIA)	\$2,238	\$2,237						\$83		\$2,155
TOTAL	\$4,475	\$2,489	\$576	\$1,389	\$20			\$335		\$4,140

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Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

San Diego Association of Governments

MPO ID: SAN78							ADOPTION: 16-00			
Project Title:		Mid-City Rapid Bus					SANDAG ID: 1240001			
Project Description:		From San Diego State University to Downtown San Diego along El Cajon Boulevard, College Avenue, Park Boulevard, and Broadway - provide new Rapid Bus service including: consolidated transit stops, SR 15 transit plaza, synchronized traffic signals with extended green lights for buses, new low-floor vehicles, new shelters, improved waiting areas, real-time next-bus arrival signs, service frequency upgrade to every 10 minutes in the peak period, and every 15 minutes off-peak								
		Capacity Status: CI		Exempt Category: Non-Exempt						
Est Total Cost: \$44,526		Open to Traffic: Oct 2014								
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - MC	\$21,654	\$20,617	\$985	\$52				\$3,650	\$214	\$17,790
TransNet - Transit	\$173	\$173						\$173		
FTA 5307	\$320	\$320						\$320		
FTA 5309 (NS)	\$22,379	\$22,379						\$729		\$21,650
TOTAL	\$44,526	\$43,489	\$985	\$52				\$4,872	\$214	\$39,440

MPO ID: SAN80								ADOPTION: 16-00		
Project Title:		TransNet Major Transit Corridor Operations						SANDAG ID: 1139601, 1139602,		
Project Description:		Countywide - I-15 BRT, SuperLoop, Mid-City, South Bay BRT, Otay Mesa BRT and Mira Mesa BRT operating and maintenance costs						1139603, 1139604		
		Capacity Status: NCI		Exempt Category: Mass Transit - Transit operating assistance						
Est Total Cost: \$127,589										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - BRT/Rail Ops	\$127,589	\$35,077	\$13,675	\$13,721	\$15,915	\$24,392	\$24,809	\$127,589		
TOTAL	\$127,589	\$35,077	\$13,675	\$13,721	\$15,915	\$24,392	\$24,809	\$127,589		

MPO ID: SAN94							ADOPTION: 16-00				
Project Title:	I-15 Integrated Corridor Management Project (ICM)						SANDAG ID: 1144601				
Project Description:	From SR 52 to SR 78 - I-15 Corridor in San Diego region is one of eight pioneer sites selected throughout the nation by US Department Of Transportation (DOT) for the ICM initiative; I-15 ICM project establishes an operational platform that will allow the transportation network to be operated in a more coordinated and integrated manner; project includes the integration of existing Intelligent Transportation System (ITS) platforms, development of a Decision Support System, and upgrades to the traffic signal synchrhonization network to a responsive system; provide for better management of traffic conditions along the I-15 corridor										
RT:15	Capacity Status: NCI		Exempt Category: Other - Non construction related activities								
Est Total Cost: \$10,041											
		TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - MC		\$853	\$285	\$224	\$200	\$144			\$853		
USDOTs		\$9,084	\$9,084						\$9,084		
ST-CASH - Other State		\$104	\$104						\$104		
TOTAL		\$10,041	\$9,473	\$224	\$200	\$144			\$10,041		

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

San Diego Association of Governments

MPO ID: SAN114							ADOPTION: 16-00			
Project Title:	Grouped Projects for Rehabilitation or Reconstruction of Track Structures, Track, and Trackbed in Exisiting Rights-of-Way: Coastal Rail Corridor						SANDAG ID: 1239803, 1239805, 1239808, 1239810, 1239813, 1239814, 1239815, 1239816			
Project Description:	Projects are consistent with 40 CFR Parts 93.126 and 93.127 Exempt Tables 2 and 3 categories: rehabilitation or reconstruction of track structures, track, and trackbed in existing right-of-way (non-capacity increasing)- from Oceanside to San Diego along the Coastal Rail Corridor; design track improvements									
	Capacity Status: NCI		Exempt Category: Mass Transit - Track rehabilitation in existing right of way							
Est Total Cost: \$198,903										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - MC	\$106,866	\$14,851	\$25,234	\$39,927	\$26,111	\$742				\$106,866
CMAQ	\$64,154	\$64,154								\$64,154
FTA 5307	\$1,765	\$1,765								\$1,765
FTA 5339	\$5,322	\$5,322								\$5,322
Fed Rail Admin (FRA-PRIIA)	\$7,300	\$7,300								\$7,300
Other Fed - ARRA - FRA	\$3,360	\$3,360								\$3,360
RSTP	\$10,136	\$10,136								\$10,136
TOTAL	\$198,903	\$106,888	\$25,234	\$39,927	\$26,111	\$742				\$198,903

MPO ID: SAN119								ADOPTION: 16-00		
Project Title:	Sorrento Valley Double Track							SANDAG ID: 1239807		
Project Description:	From MP 247.8 to MP 248.9 north of Sorrento Valley Coaster Station - convert 1.1 miles of single-track to double-track, raise tracks to minimize flooding during storms, construct two new bridges, expand parking lot at Sorrento Valley Station, and install new signals - does not add additional transit service									
	Capacity Status: NCI		Exempt Category: Mass Transit - Track rehabilitation in existing right of way							
Est Total Cost: \$32,889										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - MC	\$3,167	\$2,007	\$1,160					\$725	\$323	\$2,119
CMAQ	\$3,867	\$3,867								\$3,867
RSTP	\$12,861	\$12,861						\$5,156		\$7,705
Prop 1B - TCIF	\$12,994	\$12,994								\$12,994
TOTAL	\$32,889	\$31,729	\$1,160					\$5,881	\$323	\$26,685

MPO ID: SAN123								ADOPTION: 16-00		
Project Title:	University Town Center (UTC) Transit Center							SANDAG ID: 1143200		
Project Description:	Within the parking area of the UTC shopping mall area - off street transit center for existing Metropolitan Transit System (MTS) and North County Transit District (NCTD) for local and express service for SuperLoop, Mid-Coast and Bus Rapid Transit (BRT)									
	Capacity Status: NCI		Exempt Category: Mass Transit - Reconstruction or renovation of transit structures							
Est Total Cost: \$5,700										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - MC	\$5,700	\$406	\$5,294					\$467		\$5,233
TOTAL	\$5,700	\$406	\$5,294					\$467		\$5,233

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

San Diego Association of Governments

MPO ID: SAN129								ADOPTION: 16-00			
Project Title:		Downtown BRT Layover Facility						SANDAG ID: 1201514			
Project Description:		Downtown San Diego - construct bus layover facility to accommodate BRT, Rapid Bus and local transit vehicles									
		Capacity Status: NCI		Exempt Category: All Projects - Bus terminal and transfer points							
Est Total Cost: \$15,975											
		TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - MC		\$15,975	\$1,408	\$12,898	\$599	\$450	\$320	\$300	\$2,338	\$12,017	\$1,620
TOTAL		\$15,975	\$1,408	\$12,898	\$599	\$450	\$320	\$300	\$2,338	\$12,017	\$1,620

MPO ID: SAN131								ADOPTION: 16-00			
Project Title:		Mira Mesa Blvd. Bus Rapid Transit Priority Treatments						SANDAG ID: 1201511			
Project Description:		From I-15 to I-805 - bus rapid transit priority treatments on Mira Mesa Blvd.									
		Capacity Status: NCI		Exempt Category: Other - Traffic signal synchronization projects							
Est Total Cost: \$9,000											
		TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - MC		\$9,000	\$3,360	\$1,300	\$4,340				\$2,722	\$1,300	\$4,978
TOTAL		\$9,000	\$3,360	\$1,300	\$4,340				\$2,722	\$1,300	\$4,978

MPO ID: SAN132								ADOPTION: 16-00		
Project Title:		Elvira to Morena Double Track						SANDAG ID: 1239811		
Project Description:		On coastal rail corridor from 1.5 miles north of Control Point (CP) Elvira near SR 52 to CP Morena near Balboa Avenue - 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, 258.5, and 257.2. Construct new water loop system for City of San Diego between Balboa Avenue and SR 52 - does not add additional transit service								
		Capacity Status: NCI		Exempt Category: Mass Transit - Track rehabilitation in existing right of way						
Est Total Cost: \$108,430										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - MC	\$52,762	\$12,693	\$29,008	\$11,061				\$10,273	\$1,435	\$41,054
TransNet - MC AC	\$0		\$2,752	\$(2,752)						
CMAQ	\$24,878	\$24,878						\$2,776		\$22,102
FTA 5307	\$2,080	\$2,080								\$2,080
Fed Rail Admin (FRA-PRIIA)	\$9,920	\$9,920						\$6,082		\$3,838
RSTP	\$4,688	\$4,688						\$4,688		
TCRP	\$2,752			\$2,752						\$2,752
Local Funds	\$9,130	\$9,130								\$9,130
TDA	\$2,220	\$2,220								\$2,220
TOTAL	\$108,430	\$65,609	\$31,760	\$11,061				\$23,819	\$1,435	\$83,176

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

San Diego Association of Governments

MPO ID: SAN133								ADOPTION: 16-00		
Project Title:	South Bay BRT Maintenance Facility						SANDAG ID: 1201513			
Project Description:	At South Bay Maintenance Facility on Main Street in the city of Chula Vista - expansion of maintenance facility to accommodate maintenance of BRT vehicles - property acquisition, site preparation, lighting, parking and bus servicing facilities									
Capacity Status:	NCI		Exempt Category: Mass Transit - Const of new bus or rail storage/maint facilities excluded in 23 CFR part 771							
Est Total Cost: \$60,535										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - MC	\$31,454	\$31,444	\$10					\$427		\$31,027
FTA 5307	\$8,797	\$8,797						\$2,996	\$4,791	\$1,010
FTA 5339	\$3,171	\$3,171								\$3,171
STA	\$5,250	\$5,250						\$1,052	\$2,300	\$1,898
Local Funds	\$9,658	\$9,658								\$9,658
TDA	\$2,205	\$2,204						\$629	\$1,190	\$386
TOTAL	\$60,535	\$60,524	\$10					\$5,104	\$8,281	\$47,150

MPO ID: SAN147							ADOPTION: 16-00			
Project Title:		Grouped Projects for Bicycle and Pedestrian Facilities - Bayshore Bikeway					SANDAG ID: 1129900, 1143700, 1223055, 1223056			
Project Description:		Projects are consistent with 40 CFR Part 93.126 Exempt Table 2 categories - bicycle and pedestrian facilities (both motorized and non-motorized)								
Capacity Status:		NCI		Exempt Category: Air Quality - Bicycle and pedestrian facilities						
Est Total Cost: \$36,795										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - BPNS	\$17,618	\$3,679	\$5,379	\$6,560	\$1,995	\$5				\$17,618
ATP - R	\$10,221			\$1,280	\$8,941					\$10,221
ATP - S	\$4,944			\$4,944						\$4,944
Coastal Conservancy	\$2,500	\$2,500								\$2,500
STIP-RIP Prior State Cash	\$7	\$7								\$7
STIP-RIP STP TE	\$1,389	\$1,389								\$1,389
STIP-RIP State Cash	\$44	\$44								\$44
Local Funds	\$72	\$72								\$72
TOTAL	\$36,795	\$7,691	\$5,379	\$12,784	\$10,936	\$5				\$36,795

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

San Diego Association of Governments

MPO ID: SAN148							ADOPTION: 16-00			
Project Title:		Grouped Projects for Bicycle and Pedestrian Facilities - Coastal Rail Trail					SANDAG ID: 1223016, 1223017, 1223018, 1223024			
Project Description:		Projects are consistent with 40 CFR Part 93.126 Exempt Table 2 categories - bicycle and pedestrian facilities (both motorized and non-motorized)								
		Capacity Status: NCI		Exempt Category: Air Quality - Bicycle and pedestrian facilities						
Est Total Cost: \$26,871										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - BPNS	\$25,212	\$2,234	\$13,711	\$8,537	\$715	\$5	\$10			\$25,212
ATP - R	\$1,025	\$1,025								\$1,025
STIP-RIP STP TE	\$587	\$587								\$587
STIP-RIP State Cash	\$47	\$47								\$47
TOTAL	\$26,871	\$3,893	\$13,711	\$8,537	\$715	\$5	\$10			\$26,871

MPO ID: SAN153							ADOPTION: 16-00			
Project Title:		The Inland Rail Trail					PPNO: 7421W			
Project Description:		On and along rail corridor from North Melrose Drive in Oceanside to North Pacific Street in San Marcos - plan, design, and construct 7 miles of Class 1 Bike Path and Class II - Bike Lane that is located adjacent to and within the NCTD Railroad right-of-way					RTP PG NO: A-19 SANDAG ID: 1223023			
Capacity Status:		NCI		Exempt Category: Air Quality - Bicycle and pedestrian facilities						
Est Total Cost: \$36,762										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - BPNS	\$7,468	\$6,467	\$425	\$576				\$2,042	\$2,363	\$3,063
STIP-RIP AC	\$16,322	\$16,322								\$16,322
STIP-RIP STP TE	\$1,414	\$1,414						\$1,414		
STIP-RIP State Cash	\$2,298	\$2,298						\$183		\$2,115
Local Funds	\$1,080	\$1,080						\$1,080		
TDA - Bicycles	\$6,719	\$6,719						\$2,025		\$4,694
TOTAL	\$35,301	\$34,300	\$425	\$576				\$6,744	\$2,363	\$26,194
*\$1.461M of BTA programmed under County of San Diego CNTY78										

MPO ID: SAN163							ADOPTION: 16-00				
Project Title:		Los Peñasquitos Lagoon Bridge Replacement					SANDAG ID: 1145000				
Project Description:		From N. Peñasquitos Lagoon to S. PeñasquitosLagoon - replace three aging timber trestle railway bridges in order to maintain compliance with Federal Railroad Administration (FRA) standards and support intercity, commuter and freight rail services in the second busiest rail corridor in the nation									
		Capacity Status: NCI		Exempt Category: Mass Transit - Reconstruction or renovation of transit structures							
Est Total Cost: \$35,602											
		TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
FTA 5307		\$10,853	\$10,352	\$501							\$10,853
TIGER13		\$14,000	\$14,000								\$14,000
STA		\$3,049	\$3,049								\$3,049
TDA		\$7,700	\$7,575	\$125							\$7,700
TOTAL		\$35,602	\$34,976	\$626							\$35,602

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Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

San Diego Association of Governments

MPO ID: SAN196								ADOPTION: 16-00			
Project Title:		Grouped Projects for Bicycle and Pedestrian Facilities - San Diego River Trail						SANDAG ID: 1223052, 1223053			
Project Description:		Projects are consistent with 40 CFR Part 93.126 Exempt Table 2 categories - bicycle and pedestrian facilities (both motorized and non-motorized)									
		Capacity Status: NCI		Exempt Category: Air Quality - Bicycle and pedestrian facilities							
Est Total Cost: \$3,868											
		TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - BPNS		\$3,368	\$288	\$2,181	\$899						\$3,368
Coastal Conservancy		\$500	\$500								\$500
TOTAL		\$3,868	\$788	\$2,181	\$899						\$3,868

MPO ID: SAN199							ADOPTION: 16-00				
Project Title:		Rose Canyon Bridge Replacements					SANDAG ID: 1145300				
Project Description:		From MP 257.2 to MP 254.7 - replace four aging timber trestle railway bridges in order to maintain compliance with FRA bridge standards for state of good repair and support intercity, commuter and freight rail services in a segment of the nations second busiest rail corridor.									
Capacity Status:		NCI		Exempt Category: Mass Transit - Reconstruction or renovation of transit structures							
Est Total Cost: \$14,545											
		TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
FTA 5307		\$8,352	\$1,053			\$3,985	\$3,314		\$1,053		\$7,299
TDA		\$2,190	\$365			\$996	\$829		\$365		\$1,825
TOTAL		\$10,542	\$1,418			\$4,981	\$4,143		\$1,418		\$9,124

MPO ID: SAN200							ADOPTION: 16-00			
Project Title:		San Onofre Bridge Replacement					SANDAG ID: 1145400			
Project Description:		From MP 207.6 to MP 209.9 - replace three aging timber trestle railway bridges in order to maintain compliance with Federal Railroad Administration (FRA) standards and support intercity, commuter and freight rail services in the second busiest rail corridor in the nation								
Capacity Status:		NCI		Exempt Category: Mass Transit - Reconstruction or renovation of transit structures						
Est Total Cost: \$13,641										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
FTA 5307	\$10,284	\$7,084				\$3,200		\$217		\$10,067
TDA	\$2,571	\$1,771				\$800		\$54		\$2,517
TOTAL	\$12,855	\$8,855				\$4,000		\$271		\$12,584
*An additional \$1.08M contributed from previous FTA grants										

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

San Diego Association of Governments

MPO ID: SAN208								ADOPTION: 16-00			
Project Title:		Clairemont Mesa Blvd BRT Stations						SANDAG ID: 1201515			
Project Description:		Clairemont Mesa Boulevard from State Route 163 to Interstate 15 - Traffic Signal Priority on Clairemont Mesa Boulevard and transit station improvements at eastbound Ruffin Road stop									
		Capacity Status: NCI		Exempt Category: Mass Transit - Construction or renovation of power, signal, and communications systems							
Est Total Cost: \$1,425											
		TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - MC		\$1,425	\$702	\$723					\$689		\$736
TOTAL		\$1,425	\$702	\$723					\$689		\$736

MPO ID: SAN212							ADOPTION: 16-00			
Project Title:		BRT Wi-Fi Phase 1					SANDAG ID: 1201517			
Project Description:		MTS Rapid Bus Routes 235, 237 and 215 - Wi-Fi on BRT Routes								
		Capacity Status: NCI		Exempt Category: Mass Transit - Construction or renovation of power, signal, and communications systems						
Est Total Cost: \$1,230										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - MC	\$1,230	\$190	\$1,040							\$1,230
TOTAL	\$1,230	\$190	\$1,040							\$1,230

MPO ID: SAN213							ADOPTION: 16-00			
Project Title:	Grouped Projects for Operating Assistance - FTA Section 5310 Enhanced Mobility of Seniors and Individuals with Disabilities						SANDAG ID: 1271000,1271800, 1272000, 3321400			
Project Description:	Projects are consistent with 40 CFR Part 93.126 Exempt Table 2 categories: operating assistance to transit operators - operating assistance to transit agencies									
	Capacity Status: NCI		Exempt Category: Mass Transit - Transit operating assistance							
Est Total Cost: \$842										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - SS	\$842		\$842							\$842
TOTAL	\$842		\$842							\$842

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

San Diego Association of Governments

MPO ID: SAN214							ADOPTION: 16-00					
Project Title:	Grouped Projects for Capital Purchase - FTA Section 5310 Enhanced Mobility of Seniors and Individuals with Disabilities							SANDAG ID: 1271500, 1271900, 3321400				
Project Description:	Projects are consistent with 40 CFR Part 93.126 Exempt Table 2 categories: purchase of new buses and rail cars to replace existing vehicles or for minor expansions of the fleet - purchase of vehicles and various capital equipment for the provision of transit service											
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: \$115												
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON		
TransNet - SS	\$115		\$115							\$115		
TOTAL	\$115		\$115							\$115		

MPO ID: SAN224							ADOPTION: 16-00			
Project Title:	I-805/SR-94 Bus on Shoulder Demonstration Project						SANDAG ID: 1280513			
Project Description:	On I-805 between SR 54 and SR 94 and on SR 94 between I-805 and downtown San Diego - design and construct new freeway shoulder infrastructure on both I-805 and SR 94; implement technology improvements within the corridor to support freeway bus operation; procurement of 16 new Compressed Natural Gas (CNG) busses. - no additional lanes									
	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: \$30,900										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - MC	\$16,816		\$1,533	\$15,283						\$16,816
FTA 5309 (Bus)	\$14,084	\$14,084						\$1,455		\$12,629
TOTAL	\$30,900	\$14,084	\$1,533	\$15,283				\$1,455		\$29,445

MPO ID: SAN227							ADOPTION: 16-00			
Project Title:	Grouped Projects for Bicycle and Pedestrian Facilities - North Park/Mid-City Bikeways						SANDAG ID: 1223020, 1223078, 1223079, 1223080, 1223081, 1223082			
Project Description:	Projects are consistent with 40 CFR Part 93.126 Exempt Table 2 categories - bicycle and pedestrian facilities (both motorized and non-motorized)									
	Capacity Status: NCI		Exempt Category: Air Quality - Bicycle and pedestrian facilities							
Est Total Cost: \$20,386										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - BPNS	\$17,779	\$1,609	\$3,179	\$12,155	\$836					\$17,779
TDA - Bicycles	\$2,607	\$2,607								\$2,607
TOTAL	\$20,386	\$4,216	\$3,179	\$12,155	\$836					\$20,386

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

San Diego Association of Governments

MPO ID: SAN228						ADOPTION: 16-00				
Project Title: Grouped Projects for Bicycle and Pedestrian Facilities - Uptown Bikeways						SANDAG ID: 1223022, 1223083, 1223084, 1223085, 1223086				
Project Description: Projects are consistent with 40 CFR Part 93.126 Exempt Table 2 categories - bicycle and pedestrian facilities (both motorized and non-motorized)										
Capacity Status: NCI						Exempt Category: Air Quality - Bicycle and pedestrian facilities				
Est Total Cost: \$28,851										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - BPNS	\$27,601	\$4,742	\$4,758	\$18,071	\$30					\$27,601
TDA - Bicycles	\$1,250		\$1,250							\$1,250
TOTAL	\$28,851	\$4,742	\$6,008	\$18,071	\$30					\$28,851

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

San Diego County

MPO ID: CNTY14A								ADOPTION: 16-00		
Project Title:	South Santa Fe Avenue South							RTP PG NO: B-36		
Project Description:	South Santa Fe from 700 ft south of Woodland Dr to Smilax Rd - widening of South Santa Fe Avenue to a five-lane major road with a center left turn lane, curb, gutter, sidewalk, bike lanes, and drainage improvements from 700 ft south of Woodland Dr to Smilax Road							RAS (M-47) <i>TransNet</i> - LSI: CR		
Capacity Status: CI Exempt Category: Non-Exempt										
Est Total Cost: \$1,378 Open to Traffic: Jun 2020										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
<i>TransNet</i> - L	\$175	\$175						\$175		
<i>TransNet</i> - L (Cash)	\$36	\$36						\$36		
<i>TransNet</i> - LSI	\$908	\$894	\$14					\$908		
<i>TransNet</i> - LSI (Cash)	\$100	\$100						\$100		
<i>TransNet</i> - LSI Carry Over	\$98	\$98						\$98		
RSTP	\$61	\$61						\$61		
TOTAL	\$1,378	\$1,364	\$14					\$1,378		

MPO ID: CNTY21								ADOPTION: 16-00		
Project Title:	Bradley Avenue Overpass at SR 67							RTP PG NO: B-36		
Project Description:	Bradley Avenue from Magnolia Ave. to Mollison Ave. - widen of Bradley Ave from Magnolia Ave to Mollison Ave; widen from 2 lanes to 4 lanes plus sidewalks; replace 2-lane bridge over SR 67 with a 6-lane bridge, which accommodates turn pockets							RAS (M-46) <i>TransNet</i> - LSI: CR		
Capacity Status: CI			Exempt Category: Non-Exempt							
Est Total Cost: \$21,599 Open to Traffic: May 2020										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
<i>TransNet</i> - L	\$195	\$195						\$195		
<i>TransNet</i> - LSI	\$13,740	\$1,653			\$3,735	\$2,583	\$5,769	\$984	\$2,169	\$10,587
<i>TransNet</i> - LSI (Cash)	\$114	\$114						\$114		
<i>TransNet</i> - LSI Carry Over	\$2,663	\$69	\$554	\$2,040				\$249	\$2,414	
HPP	\$400	\$400							\$400	
RSTP	\$750	\$750						\$750		
STP	\$754	\$754							\$754	
STP - Sec 117	\$492	\$492							\$492	
Local Funds	\$2,491	\$2,491						\$317	\$2,174	
TOTAL	\$21,599	\$6,918	\$554	\$2,040	\$3,735	\$2,583	\$5,769	\$2,609	\$8,403	\$10,587

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

San Diego County

MPO ID: CNTY24								ADOPTION: 16-00		
Project Title:	Cole Grade Road							RTP PG NO: B-36		
Project Description:	Cole Grade Road from N. of Horse Creek Trail to South of Pauma Heights Road - widen to accommodate 14-ft traffic lane in both direction, 12-ft center 2-way left turn, 6-ft bike lane & 10-ft pathway							RAS (M-46) <i>TransNet</i> - LSI: CR		
Capacity Status: CI			Exempt Category: Non-Exempt							
Est Total Cost: \$26,017			Open to Traffic: May 2020							
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
<i>TransNet</i> - L	\$350	\$350						\$350		
<i>TransNet</i> - L (Cash)	\$335	\$335						\$335		
<i>TransNet</i> - LSI	\$19,956	\$1,714	\$10,504			\$7,738		\$1,714	\$18,242	
<i>TransNet</i> - LSI Carry Over	\$5,376		\$1,500	\$3,876				\$1,000	\$1,500	\$2,876
TOTAL	\$26,017	\$2,399	\$1,500	\$3,876	\$10,504	\$7,738		\$3,399	\$1,500	\$21,118

MPO ID: CNTY34								ADOPTION: 16-00		
Project Title:	Dye Road Extension							RTP PG NO: B-36		
Project Description:	Dye Road to San Vicente Road - in Ramona - study, design and construct a 2-lane community collector road with intermittent turn lanes, bike lanes, curb, gutter, and pathway/walkway							RAS (M-46) <i>TransNet</i> - LSI: CR		
Capacity Status: CI			Exempt Category: Non-Exempt							
Est Total Cost: \$1,577 Open to Traffic: Dec 2023										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
<i>TransNet</i> - L	\$300	\$300						\$300		
<i>TransNet</i> - L (Cash)	\$250	\$250						\$250		
<i>TransNet</i> - LSI	\$927	\$875	\$10	\$10	\$10	\$11	\$11	\$853	\$74	
<i>TransNet</i> - LSI Carry Over	\$100	\$100						\$100		
TOTAL	\$1,577	\$1,525	\$10	\$10	\$10	\$11	\$11	\$1,503	\$74	

MPO ID: CNTY35							ADOPTION: 16-00			
Project Title:		Ramona Street Extension					RTP PG NO: B-36			
Project Description:		Ramona Street from Boundary Ave. to Warnock Dr. - In the community of Ramona, construct new road extension; 2 lanes with intermittent turn lanes, bike lanes and walkway/pathway					TransNet - LSI: CR			
Capacity Status: CI		Exempt Category: Non-Exempt								
Est Total Cost: \$1,203		Open to Traffic: Jun 2022								
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - L	\$287	\$287						\$233	\$54	
TransNet - LSI	\$897	\$830	\$12	\$13	\$14	\$14	\$14	\$797	\$100	
TransNet - LSI (Cash)	\$19	\$19						\$19		
TOTAL	\$1,203	\$1,136	\$12	\$13	\$14	\$14	\$14	\$1,049	\$154	
*Construction funds are outside of the 5-year RTIP cycle										

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

San Diego County

MPO ID: CNTY36							ADOPTION: 16-00			
Project Title:	San Vicente Road Improvements						RTP PG NO: B-36			
Project Description:	San Vicente Road from Warnock Drive to Wildcat Canyon Road - in Ramona, design and reconstruct road improvements, including 2-lane community collector road with intermittent turn lanes, bike lanes, asphalt concrete dike, and pathway/walkway						TransNet - LSI: CR			
Capacity Status: CI		Exempt Category: Non-Exempt								
Est Total Cost: \$34,405							Open to Traffic: Jun 2016			
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - L	\$790	\$790						\$790		
TransNet - L (Cash)	\$591	\$591						\$591		
TransNet - LSI	\$5,572	\$5,572						\$1,219	\$277	\$4,076
TransNet - LSI Carry Over	\$27,452	\$26,715	\$186	\$551				\$381	\$1,968	\$25,103
TOTAL	\$34,405	\$33,668	\$186	\$551				\$2,981	\$2,245	\$29,179

MPO ID: CNTY39							ADOPTION: 16-00			
Project Title:	Bear Valley Parkway North						RTP PG NO: B-37			
Project Description:	Bear Valley Parkway from San Pasqual Valley Road to Boyle Avenue - widen from two to four lanes, with a center median, a bike lane and shoulder in each direction of travel						RAS (M-46) <i>TransNet</i> - LSI: CR			
Capacity Status: CI		Exempt Category: Non-Exempt								
Est Total Cost: \$22,495		Open to Traffic: Dec 2016								
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - L	\$6	\$6						\$6		
TransNet - L (Cash)	\$6	\$6						\$6		
TransNet - LSI	\$10,314	\$10,314						\$441	\$3,171	\$6,702
TransNet - LSI (Cash)	\$511	\$511								\$511
TransNet - LSI Carry Over	\$8,166	\$6,587	\$1,579							\$8,166
Local Funds	\$3,492	\$3,492							\$3,492	
TOTAL	\$22,495	\$20,916	\$1,579					\$453	\$6,663	\$15,379

MPO ID: CNTY79							ADOPTION: 16-00			
Project Title:	Pamo Road Bridge North									
Project Description:	Santa Ysabel Creek from Pamo Road to Haverford Road - Bridge No. 57C0729, Pamo Rd Over Santa Ysabel Creek, 3.85 M N/O Haverford Rd.; replace existing one lane bridge with two lane bridge designed to current standards. Toll Credits of \$135 will be used to match federal funds for the PE phase, Toll Credits of \$11 will be used to match federal funds for the ROW phase, Toll Credits of \$539 will be used to match federal funds for the CON phase									
Capacity Status: NCI		Exempt Category: Safety - Non capacity widening or bridge reconstruction								
Est Total Cost: \$5,975										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
HBP	\$5,975	\$1,175		\$100			\$4,700	\$1,175	\$100	\$4,700
TOTAL	\$5,975	\$1,175		\$100			\$4,700	\$1,175	\$100	\$4,700

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

San Diego County

MPO ID: CNTY81								ADOPTION: 16-00		
Project Title:		Regional Traffic Signal Management						TransNet - LSI: CR		
Project Description:		County-wide - County of San Diego cost-share for the Regional Arterial Management System. TransNet - LSI RAMS of \$13 is programmed through FY 2021								
Capacity Status:		NCI		Exempt Category: Other - Traffic signal synchronization projects						
Est Total Cost: \$100										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - LSI	\$100	\$38	\$13	\$13	\$13	\$13	\$13	\$100		
TOTAL	\$100	\$38	\$13	\$13	\$13	\$13	\$13	\$100		

MPO ID: CNTY82								ADOPTION: 16-00			
Project Title:	Alpine Boulevard Streetscape Improvements							RTP PG NO: B-37			
Project Description:	Alpine Boulevard from Tavern Road to South Grade Road - in unincorporated community of Alpine; Alpine Boulevard Streetscape Improvements - between Tavern Road and South Grade Road, widen from two-lane to three-lane roadway including a median turn-lane with bicycle, parking, and pedestrian improvements							RAS (M-46) <i>TransNet</i> - LSI: CR			
Capacity Status: CI		Exempt Category: Non-Exempt									
Est Total Cost: \$5,465 Open to Traffic: Jan 2017											
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON	
<i>TransNet</i> - LSI	\$2,289	\$2,289						\$750		\$1,539	
<i>TransNet</i> - LSI Carry Over	\$3,000		\$3,000							\$3,000	
Local RTCIP	\$176	\$176						\$176			
TOTAL	\$5,465	\$2,465	\$3,000					\$926		\$4,539	

MPO ID: CNTY83								ADOPTION: 16-00		
Project Title:	SR67/Highland/Dye Intersection							RTP PG NO: B-37		
Project Description:	SR 67/Highland/Dye Intersection from SR 67 to 1000' SE of SR67 - in unincorporated Ramona: intersection widening (double left turn lanes on Dye/Highland and double through lanes with dedicated right turn lanes on SR 67), signal modification with bicycle and pedestrian improvements, and associated improvements							RAS (M-46) <i>TransNet</i> - LSI: CR		
Capacity Status: CI			Exempt Category: Non-Exempt							
Est Total Cost: \$3,336			Open to Traffic: Dec 2018							
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
<i>TransNet</i> - LSI	\$2,320	\$2,320								\$2,320
Local Funds	\$1,016	\$1,000	\$16					\$16		\$1,000
TOTAL	\$3,336	\$3,320	\$16					\$16		\$3,320
*\$14M of SHOPP funds programmed under CAL46A										

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

San Diego County

MPO ID: CNTY84							ADOPTION: 16-00				
Project Title:	Stage Coach Lane / Reche Road Intersection Improvements						TransNet - LSI: CR				
Project Description:	Stage Coach Lane from Reche Rd to Reche Rd - in unincorporated Fallbrook: widen intersection approaches to provide additional turn lanes and relieve congestion at the intersection										
Capacity Status: NCI		Exempt Category: All Projects - Intersection channelization projects									
Est Total Cost: \$2,098											
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON	
TransNet - LSI	\$498	\$498						\$243	\$255		
TransNet - LSI Carry Over	\$1,600		\$1,600								\$1,600
TOTAL	\$2,098	\$498	\$1,600						\$243	\$255	\$1,600

MPO ID: CNTY86								ADOPTION: 16-00		
Project Title:		Roadway Maintenance and Overlay						TransNet - LSI: CR		
Project Description:		Countywide - annual maintenance project that includes maintenance of various street elements (crackseal, chip seal, AC overlay greater than 1" thick, sidewalk repairs, etc.)								
		Capacity Status: NCI		Exempt Category: Safety - Pavement resurfacing and/or rehabilitation						
Est Total Cost: \$18,234										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - LSI	\$16,702	\$1,063		\$1,835	\$2,240	\$5,681	\$5,883	\$15,032		\$1,670
TransNet - LSI Carry Over	\$1,532		\$1,532					\$1,379		\$153
TOTAL	\$18,234	\$1,063	\$1,532	\$1,835	\$2,240	\$5,681	\$5,883	\$16,411		\$1,823

MPO ID: CNTY88								ADOPTION: 16-00		
Project Title:	Ashwood Street Corridor Improvements (Mapleview to Willow)							RTP PG NO: B-37		
Project Description:	Ashwood Street/Wildcat Canyon Road from Mapleview Street to 1100 feet north of Willow Road - in the unincorporated community of Lakeside - traffic signal improvements at Mapleview and Ashwood; traffic signal installation at Willow and Ashwood/Wildcat Canyon; and the addition of turn lanes, addition of a passing lane in a non-urbanized area, bike lanes, and pedestrian facilities							TransNet - LSI: CR		
Capacity Status: CI		Exempt Category: Non-Exempt								
Est Total Cost: \$20,499 Open to Traffic: Jun 2021										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - LSI	\$20,290	\$510	\$1,641	\$2,907	\$2,392	\$6,360	\$6,480	\$6,450	\$1,000	\$12,840
TransNet - LSI Carry Over	\$209		\$209					\$209		
TOTAL	\$20,499	\$510	\$1,850	\$2,907	\$2,392	\$6,360	\$6,480	\$6,659	\$1,000	\$12,840

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

San Diego County

MPO ID: CNTY89							ADOPTION: 16-00			
Project Title:	East Vista Way At Gopher Canyon Intersection Improvements						RAS (M-46)			
Project Description:	Intersection of East Vista Way and Gopher Canyon Road from 300 ft. North and South of Gopher Canyon Road intersection along E. Vista Way intersection along Gopher Canyon - in the unincorporated Bonsall: this is a congested intersection leading into the Bonsall community and this improvement is on the Community Sponsor Group's priority list; adding turn lanes at this intersection						TransNet - LSI: CR			
	Capacity Status: NCI		Exempt Category: All Projects - Interchange reconfiguration projects							
Est Total Cost: \$1,616										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - LSI	\$412	\$412						\$162	\$250	
TransNet - LSI Carry Over	\$1,050		\$1,050							\$1,050
Local RTCIP	\$154	\$154						\$154		
TOTAL	\$1,616	\$566	\$1,050					\$316	\$250	\$1,050

MPO ID: CNTY90							ADOPTION: 16-00			
Project Title:	Camino Del Rey Drainage Improvements						TransNet - LSI: Maint			
Project Description:	Camino Del Rey from 500 feet west of Golf Club Drive to 2700 feet east of Golf Club Drive - in unincorporated Bonsall: the project will upgrade the existing drainage system so that it will accommodate a 100-year flood									
Capacity Status: NCI		Exempt Category: Safety - Hazard elimination program								
Est Total Cost: \$8,799										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - LSI	\$7,829			\$949	\$1,560	\$4,240	\$1,080	\$400	\$739	\$6,690
TransNet - LSI Carry Over	\$970		\$970					\$970		
TOTAL	\$8,799		\$970	\$949	\$1,560	\$4,240	\$1,080	\$1,370	\$739	\$6,690

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

San Diego Metropolitan Transit System

MPO ID: MTS23A								ADOPTION: 16-00		
Project Title:		Transit Service Operations								
Project Description:		MTS service area - Operating support for Americans with Disabilities Act (ADA) and Paratransit bus service								
Capacity Status:		NCI		Exempt Category:		Mass Transit - Transit operating assistance				
Est Total Cost: \$26,374										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
FTA 5307	\$17,976		\$4,384	\$4,471	\$4,561	\$4,561		\$17,976		
FTA 5311	\$2,160		\$540	\$540	\$540	\$540		\$2,160		
Local Funds	\$6,238		\$1,532	\$1,554	\$1,576	\$1,576		\$6,238		
TOTAL	\$26,374		\$6,456	\$6,565	\$6,677	\$6,677		\$26,374		

MPO ID: MTS28							ADOPTION: 16-00				
Project Title:		Bus & Rail Rolling Stock purchases and Rehabilitations									
Project Description:		MTS service area - purchase replacement buses, replacement 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									
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: \$233,875											
		TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - MC		\$3,544		\$3,544							\$3,544
FTA 5307		\$80,900		\$18,548	\$19,880	\$21,236	\$21,236				\$80,900
FTA 5339		\$12,980		\$3,590	\$3,662	\$2,164	\$3,564				\$12,980
Local Funds		\$136,451		\$37,207	\$34,659	\$31,885	\$32,700				\$136,451
TOTAL		\$233,875		\$62,889	\$58,201	\$55,285	\$57,500				\$233,875

MPO ID: MTS29							ADOPTION: 16-00			
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 San Diego area								
Capacity Status:		NCI		Exempt Category:		Mass Transit - Reconstruction or renovation of transit structures				
Est Total Cost: \$17,828										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	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	\$1,010	\$1,010								\$1,010
Local Funds	\$5,713	\$5,713								\$5,713
TDA	\$7,539	\$3,449	\$4,090							\$7,539
TOTAL	\$17,828	\$13,738	\$4,090							\$17,828

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

San Diego Metropolitan Transit System

MPO ID: MTS30								ADOPTION: 16-00		
Project Title:	Bus/Rail Support Facilities and Equipment							EARMARK NO: D2012-BUSP-054		
Project Description:	MTS facilities throughout the MTS service area - install security cameras on bus/rail rolling stock and at bus/rail facilities and stations; Southbay and East County bus maintenance facility expansions and upgrades including: land acquisition, site development plans, building demolition and remodeling, fencing, lot paving, and storm water pollution prevention program compliance; other misc. capital equipment for transit maintenance; design and procurement of materials and services for support equipment									
	Capacity Status: NCI		Exempt Category: Mass Transit - Purchase of office, shop and operating equipment for existing facilities							
Est Total Cost: \$45,000										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
FTA 5339	\$1,744				\$1,572	\$172				\$1,744
Local Funds	\$43,256		\$10,000	\$10,000	\$13,428	\$9,828				\$43,256
TOTAL	\$45,000		\$10,000	\$10,000	\$15,000	\$10,000				\$45,000

MPO ID: MTS31							ADOPTION: 16-00			
Project Title:		Rail Electrification and Power								
Project Description:		Along Blue Line Right-Of-Way (ROW) - Substation DC Feeder Breaker Replacement; Baltimore Power Switch Replacement								
Capacity Status: NCI		Exempt Category: Mass Transit - Track rehabilitation in existing right of way								
Est Total Cost: \$5,670										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
STA	\$1,746	\$1,746								\$1,746
Local Funds	\$2,994			\$208		\$2,786				\$2,994
TDA	\$930	\$930								\$930
TOTAL	\$5,670	\$2,676		\$208		\$2,786				\$5,670

MPO ID: MTS32A							ADOPTION: 16-00			
Project Title:		Preventive Maintenance								
Project Description:		MTS service area - maintenance of equipment, rolling stock, and facilities for bus and rail systems								
Capacity Status: NCI		Exempt Category: Mass Transit - Transit operating assistance								
Est Total Cost: \$337,542										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - TSI	\$97,542		\$31,157	\$32,379	\$34,006			\$97,542		
FTA 5307	\$80,886		\$20,904	\$20,362	\$19,810	\$19,810		\$80,886		
FTA 5337	\$111,114		\$27,096	\$27,638	\$28,190	\$28,190		\$111,114		
Local Funds	\$48,000		\$12,000	\$12,000	\$12,000	\$12,000		\$48,000		
TOTAL	\$337,542		\$91,157	\$92,379	\$94,006	\$60,000		\$337,542		

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

San Diego Metropolitan Transit System

MPO ID: MTS33A								ADOPTION: 16-00		
Project Title: Senior Disabled Program										
Project Description: MTS service area - subsidy for senior and disabled as required by <i>TransNet</i>										
Capacity Status: NCI Exempt Category: Mass Transit - Transit operating assistance										
Est Total Cost: \$6,908										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
<i>TransNet</i> - ADA	\$6,872	\$4,284	\$827	\$859	\$902			\$6,872		
<i>TransNet</i> - ADA Carryover	\$36	\$36						\$36		
TOTAL	\$6,908	\$4,320	\$827	\$859	\$902			\$6,908		

MPO ID: MTS34								ADOPTION: 16-00		
Project Title: Bus Signal and Communications Equipment										
Project Description: MTS service area - rehabilitation of light rail vehicles (LRV), electronic control circuit (U2), LRV HVAC retrofit, rehabilitate traction motor phase II and pilot motor control unit drive, LRV tires; design and implement new ITS to replace failing radio/CAD and scheduling system										
Capacity Status: NCI Exempt Category: Mass Transit - Reconstruction or renovation of transit structures										
Est Total Cost: \$27,754										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
FTA 5307	\$3,116	\$3,116								\$3,116
FTA 5309 (Bus)	\$800	\$800								\$800
FTA 5309 (FG)	\$120	\$120								\$120
Prop 1B Transit Sec Grant Prg	\$5,558	\$5,558								\$5,558
STA	\$2,446	\$2,446								\$2,446
Local Funds	\$765	\$765								\$765
TDA	\$14,949	\$13,599	\$1,350							\$14,949
TOTAL	\$27,754	\$26,404	\$1,350							\$27,754

MPO ID: MTS35								ADOPTION: 16-00		
Project Title: Fixed Guideway Transitways/Lines										
Project Description: MTS service area - rail infrastructure maintenance and upgrades including rail tie replacement, WYE switch indicator standardization, rail file grinding, and traction motor disconnects										
Capacity Status: NCI Exempt Category: Mass Transit - Track rehabilitation in existing right of way										
Est Total Cost: \$14,612										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
FTA 5307	\$622	\$622								\$622
Prop 1B - PTMISEA	\$464	\$464								\$464
Prop 1B Transit Sec Grant Prg	\$800	\$800								\$800
STA	\$3,065	\$3,065								\$3,065
Local Funds	\$2,000	\$1,000	\$1,000							\$2,000
TDA	\$7,661	\$4,360	\$3,301							\$7,661
TOTAL	\$14,612	\$10,311	\$4,301							\$14,612

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

San Diego, City of

MPO ID: SD09							ADOPTION: 16-00			
Project Title:		Sidewalks - Citywide					RAS (M-39)			
Project Description:		FY 2017: San Diego Mission Road to Fairmount; Mission Village Sidewalk, Genesee/Sauk, Market St-47th to Euclid - install new sidewalks (CIP 52-700/715, 59-002.0,37-064.0/ABE00001, AIK00001, AIK00003)					TransNet - LSI: CR			
Capacity Status:		NCI		Exempt Category: Air Quality - Bicycle and pedestrian facilities						
Est Total Cost: \$14,233										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - L	\$2,150	\$2,150								\$2,150
TransNet - LSI	\$9,148	\$3,569	\$1,579	\$1,000	\$1,000	\$1,000	\$1,000			\$9,148
TransNet - LSI Carry Over	\$2,835	\$2,385	\$450							\$2,835
Local RTCIP	\$100	\$100								\$100
TOTAL	\$14,233	\$8,204	\$2,029	\$1,000	\$1,000	\$1,000	\$1,000			\$14,233

MPO ID: SD15								ADOPTION: 16-00		
Project Title:	Street Lights							TransNet - LSI: CR		
Project Description:	Install approximately 100 new street lights at multiple locations Citywide including 55th Street, Trojan Avenue, Kurtz Street, Orange Avenue, Friars Road, Hawley Street - in San Diego, install new street lights A-IH.00001(CIP 52-293.0, 61-201.0, 68-012.0)									
	Capacity Status: NCI		Exempt Category: Safety - Lighting improvements							
Est Total Cost: \$1,918										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - LSI	\$1,660		\$1,260	\$100	\$100	\$100	\$100			\$1,660
TransNet - LSI Carry Over	\$258		\$258							\$258
TOTAL	\$1,918		\$1,518	\$100	\$100	\$100	\$100			\$1,918

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

San Diego, City of

MPO ID: SD16A		ADOPTION: 16-00								
Project Title:	Traffic Signals Citywide							RAS (M-43 & 44)		
Project Description:	New traffic signal installation at multiple locations:, 31st & National, Bernardo Heights & Calle Pueblito, Governor Dr & Lakewood, Traffic signal mods Citywide:, Mission Village & Ruffin, Civita & Mission Center, 1st & Ash, 11th & Broadway, Cass & Turquoise, Lake Murray & Turnbridge, 47th & Imperial, Traffic Signal Interconnects:, Carmel Valley, Mission Valley, Otay Mesa, San Ysidro, Rancho Bernardo - install new traffic signals with intersection street lighting systems, upgrade/modernize traffic signals, install protected/permissive traffic signal systems; traffic signal interconnect systems and upgrades Citywide (CIP A-IL.00003, A-IL.00002, A-IL.00004, A-IL.00005). <i>TransNet</i> - LSI RAMS of \$68 is programmed through FY 2021							<i>TransNet</i> - LSI: CR		
Capacity Status: NCI		Exempt Category: Other - Intersection signalization projects								
Est Total Cost: \$26,855										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
<i>TransNet</i> - L	\$4,280	\$4,280								\$4,280
<i>TransNet</i> - L (Cash)	\$45		\$45							\$45
<i>TransNet</i> - LSI	\$11,771	\$2,169	\$1,731	\$1,968	\$1,968	\$1,968	\$1,968			\$11,771
<i>TransNet</i> - LSI Carry Over	\$7,559	\$4,467	\$3,092							\$7,559
Local RTCIP	\$3,200	\$3,200								\$3,200
TOTAL	\$26,855	\$14,116	\$4,868	\$1,968	\$1,968	\$1,968	\$1,968			\$26,855

MPO ID: SD17							ADOPTION: 16-00			
Project Title:		Guard Rails								
Project Description:		Citywide - install new and replace old guard rails along streets (CIP 68-006.0/AIE00002)								
Capacity Status: NCI		Exempt Category: Safety - Guardrails, median barriers, crash cushions								
Est Total Cost: \$1,412										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - L	\$1,050	\$1,050								\$1,050
TransNet - L (Cash)	\$162		\$162							\$162
Local Funds	\$200	\$200								\$200
TOTAL	\$1,412	\$1,250	\$162							\$1,412

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

San Diego, City of

MPO ID: SD18							ADOPTION: 16-00				
Project Title:		Traffic Control Measures					TransNet - LSI: CR				
Project Description:		University Avenue-Fairmount to Euclid Complete Street and traffic control and calming measures in multiple locations Citywide: 20 rectangular rapid flashing beacons; 10 V-Calm signs - traffic control and traffic calming measures (CIP 61-001.0 / AIL00001)									
		Capacity Status: NCI		Exempt Category: Safety - Non signalization traffic control and operating							
Est Total Cost: \$10,360											
		TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - L		\$1,600	\$1,600								\$1,600
TransNet - L (Cash)		\$841	\$587	\$254							\$841
TransNet - LSI		\$5,461	\$701	\$760	\$1,000	\$1,000	\$1,000	\$1,000			\$5,461
TransNet - LSI Carry Over		\$2,087	\$1,384	\$703							\$2,087
Local Funds		\$371	\$371								\$371
TOTAL		\$10,360	\$4,643	\$1,717	\$1,000	\$1,000	\$1,000	\$1,000			\$10,360

MPO ID: SD19								ADOPTION: 16-00		
Project Title:	Streamview Drive							TransNet - LSI: CR		
Project Description:	Streamview Drive from 54th Street to College Avenue - in San Diego, installation of new raised median, new sidewalk including curb & gutter, and traffic circles to improve the flow of traffic and increase safety (CIP 52-588.0,S-00864)									
	Capacity Status: NCI		Exempt Category: Safety - Adding medians							
Est Total Cost: \$3,775										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - L	\$350	\$350						\$350		
TransNet - LSI	\$180	\$180						\$180		
TransNet - LSI Carry Over	\$3,245	\$1,631	\$1,614					\$448		\$2,797
TOTAL	\$3,775	\$2,161	\$1,614					\$978		\$2,797

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

San Diego, City of

MPO ID: SD23							ADOPTION: 16-00					
Project Title:	Storm Drains - Roadway Drainage Improvements							TransNet - LSI: CR				
Project Description:	B11013 Jean Drive Storm Drain, B12021 Huntington & Wilbee Storm Drain, B12032 Mobley Ave Storm Drain, B12078 Preece St Storm Drain, B14108 Uptown Storm Drain Replacement (Affected Streets: Johnson St, Pennsylvania Ave, 1st Ave, Hunter St, Hawk St, Kite St, Rhode Island St, Cypress Ave, and Randolph St.), B14066 Otay Mesa Storm Drain Upgrade (Affected Streets: Arruza St, Del Sol Ln, Del Sur Blvd, Pequena St, 30th St, W San Ysidro Blvd, and Coronado Ave), - roadway drainage projects for the purpose of improving traffic impeding conditions and alleviate significant and frequent flooding (CIP ACA00001)											
	Capacity Status: NCI		Exempt Category: Other - Intersection channelization projects									
Est Total Cost: \$12,688												
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON		
TransNet - L	\$3,302	\$3,302								\$3,302		
TransNet - L (Cash)	\$445	\$445								\$445		
TransNet - LSI	\$3,785	\$2,485	\$1,300							\$3,785		
TransNet - LSI (Cash)	\$25	\$25								\$25		
TransNet - LSI Carry Over	\$3,526	\$1,754	\$1,772							\$3,526		
Local Funds	\$1,605	\$1,605								\$1,605		
TOTAL	\$12,688	\$9,616	\$3,072							\$12,688		

MPO ID: SD32								ADOPTION: 16-00		
Project Title:	Carroll Canyon Road							RTP PG NO: B-34		
Project Description:	Carroll Canyon Road from Scranton Rd to I-805 - in San Diego, on Carroll Canyon Road from Sorrento Valley to Scranton Road - extend Carroll Canyon under I-805 including improvements to on/off ramps (CIP 52-392.0/S00841) (main project under CAL09C)							TransNet - LSI: CR		
Capacity Status: CI			Exempt Category: Non-Exempt							
Est Total Cost: \$17,883			Open to Traffic: Dec 2016							
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - LSI Carry Over	\$10,600	\$10,224	\$376							\$10,600
Local Funds	\$7,283	\$7,283						\$4,583	\$1,000	\$1,700
TOTAL	\$17,883	\$17,507	\$376					\$4,583	\$1,000	\$12,300

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

San Diego, City of

MPO ID: SD34								ADOPTION: 16-00		
Project Title:	El Camino Real							RTP PG NO: B-38		
Project Description:	El Camino Real from San Dieguito Road to Via de la Valle - in San Diego on El Camino Real from San Dieguito Road to Via de la Valle - reconstruct & widen from 2 to 4 lanes and extend transition lane and additional grading to avoid biological impacts (CIP 52-479.0/S00856)							RAS (M - 46) <i>TransNet</i> - LSI: CR		
Capacity Status: CI Exempt Category: Non-Exempt										
Est Total Cost: \$34,620 Open to Traffic: Aug 2019										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
<i>TransNet</i> - LSI	\$491	\$491						\$491		
<i>TransNet</i> - LSI Carry Over	\$434	\$192	\$242					\$434		
HBP	\$3,624	\$3,624						\$1,420	\$2,204	
HBRR	\$1,700	\$1,700						\$1,700		
RSTP	\$2,560	\$2,560						\$2,560		
Local Funds	\$25,811	\$1,915		\$23,896				\$1,804	\$630	\$23,377
TOTAL	\$34,620	\$10,482	\$242	\$23,896				\$8,409	\$2,834	\$23,377

MPO ID: SD38							ADOPTION: 16-00			
Project Title:	Georgia Street Bridge Improvements						TransNet - LSI: CR			
Project Description:	On Georgia Street over University Avenue - in San Diego, provides for the rehabilitation and seismic retrofitting of the bridge and retaining walls (CIP 52-555; S00863). Toll Credits of \$1,000 will be used to match federal funds for the CON phase									
Capacity Status: NCI		Exempt Category: Safety - Non capacity widening or bridge reconstruction								
Est Total Cost: \$2,991										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - L	\$631	\$631						\$631		
TransNet - LSI	\$238	\$238						\$238		
TransNet - LSI Carry Over	\$1,701	\$678	\$1,023					\$262	\$40	\$1,399
Local Funds	\$421	\$421						\$421		
TOTAL	\$2,991	\$1,968	\$1,023					\$1,552	\$40	\$1,399
*Local Matching funds for Highway Bridge Program funding as part of CAL44										

MPO ID: SD49								ADOPTION: 16-00		
Project Title:		Median Improvements Citywide						TransNet - LSI: CR		
Project Description:		Morena BI - Ashton St to Littlefield St, University Ave - Winona to 5th - safety improvements and/or left turn movements (AIG00001)								
		Capacity Status: NCI		Exempt Category: Safety - Safety Improvement Program						
Est Total Cost: \$5,012										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - L (Cash)	\$641	\$641								\$641
TransNet - LSI	\$1,238	\$400	\$438	\$100	\$100	\$100	\$100			\$1,238
TransNet - LSI Carry Over	\$1,806	\$983	\$823							\$1,806
Local Funds	\$1,327	\$1,327						\$1,102		\$225
TOTAL	\$5,012	\$3,351	\$1,261	\$100	\$100	\$100	\$100	\$1,102		\$3,910

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

San Diego, City of

MPO ID: SD51							ADOPTION: 16-00			
Project Title:	North Torrey Pines Road Bridge						RAS (M - 48)			
Project Description:	North Torrey Pines Road from Carmel Valley Road to Torrey Pines Park Road - in San Diego, replace North Torrey Pines Road bridge over Los Peñasquitos Creek (CIP 53-050.0) S00935						TransNet - LSI: CR			
Capacity Status: NCI		Exempt Category: Safety - Non capacity widening or bridge reconstruction								
Est Total Cost: \$2,597										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - L	\$1,035	\$1,035						\$100		\$935
TransNet - LSI	\$427	\$427								\$427
TransNet - LSI Carry Over	\$892	\$190	\$702							\$892
Local Funds	\$243	\$243								\$243
TOTAL	\$2,597	\$1,895	\$702					\$100		\$2,497

MPO ID: SD70								ADOPTION: 16-00		
Project Title:	West Mission Bay Drive Bridge						RTP PG NO: B-38			
Project Description:	West Mission Bay Drive bridge over San Diego River - in San Diego, replace bridge and increase from 4 to 6-lane bridge including Class I bike lane (52-643/S00871)						RAS (M - 49) TransNet - LSI: CR			
Capacity Status: CI			Exempt Category: Non-Exempt							
Est Total Cost: \$111,046			Open to Traffic: Dec 2019							
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - L	\$650	\$650						\$650		
TransNet - LSI	\$173	\$173						\$100		\$73
TransNet - LSI Carry Over	\$916	\$887	\$30						\$356	\$560
HBP	\$88,564	\$5,722					\$82,842	\$4,173	\$1,549	\$82,842
HBRR	\$2,600	\$2,600						\$2,600		
Local Funds	\$18,143	\$7,410	\$10,733					\$1,010		\$17,133
Local Funds AC	\$0		\$82,842				\$(82,842)			
TOTAL	\$111,046	\$17,442	\$93,605					\$8,533	\$1,905	\$100,608

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

San Diego, City of

MPO ID: SD83							ADOPTION: 16-00			
Project Title:	SR 163/Friars Road Interchange Modification						RTP PG NO: B-39			
Project Description:	Friars Road from Avenida de las Tiendas to Mission Center Road - widen and improve Friars Road and overcrossing; reconstruct interchange including improvements to ramp intersections (Phase 1); construct new connector roadways and structures (Phase 2); construct auxilliary lanes along northbound and southbound SR163 (Phase 3) (CIP Legacy#52-455.0,WBS# S-00851)						RAS (M - 46) <i>TransNet</i> - LSI: CR			
Capacity Status: CI		Exempt Category: Non-Exempt								
Est Total Cost: \$49,399 Open to Traffic: Mar 2018										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
<i>TransNet</i> - L	\$2,207	\$2,207						\$2,207		
<i>TransNet</i> - LSI	\$18,391	\$13,391	\$3,000	\$2,000				\$2,227		\$16,164
<i>TransNet</i> - LSI Carry Over	\$3,905	\$3,068	\$836					\$2,975		\$930
RSTP	\$2,240	\$2,240						\$2,240		
Local Funds	\$17,026	\$12,026	\$5,000					\$1,153	\$3,120	\$12,753
Local RTCIP	\$5,630	\$4,930	\$700						\$980	\$4,650
TOTAL	\$49,399	\$37,862	\$9,536	\$2,000				\$10,802	\$4,100	\$34,497

MPO ID: SD90							ADOPTION: 16-00			
Project Title:	SR 163/Clairemont Mesa Blvd. Interchange						RTP PG NO: B-39			
Project Description:	Clairemont Mesa Blvd. from Kearny Villa Road to Kearny Mesa - in San Diego, widen from 4 to 6 lane prime arterial; Phase II of the project - west ramps (CIP 52-745.0,S-00905)						RAS (M - 46) <i>TransNet</i> - LSI: CR			
Capacity Status: CI		Exempt Category: Non-Exempt								
Est Total Cost: \$26,574		Open to Traffic: Phase 1: Jun 2008			Phase 2: Dec 2016					
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
<i>TransNet</i> - L	\$500	\$500								\$500
<i>TransNet</i> - LSI	\$1,824	\$1,824						\$1,000		\$824
<i>TransNet</i> - LSI Carry Over	\$6,500	\$6,039	\$461							\$6,500
RSTP	\$5,238	\$5,238								\$5,238
Local Funds	\$10,462	\$10,462						\$3,135		\$7,327
Local RTCIP	\$2,050	\$2,050								\$2,050
TOTAL	\$26,574	\$26,113	\$461					\$4,135		\$22,439

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

San Diego, City of

MPO ID: SD96								ADOPTION: 16-00		
Project Title:		Street Resurfacing Citywide						TransNet - LSI: CR		
Project Description:		Citywide - in San Diego, resurface/overlay city streets (AID00005/AID00006)								
Capacity Status:		NCI		Exempt Category: Safety - Pavement resurfacing and/or rehabilitation						
Est Total Cost: \$82,813										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - L	\$4,000	\$4,000								\$4,000
TransNet - L (Cash)	\$934	\$934								\$934
TransNet - LSI	\$60,214	\$7,436		\$2,880	\$15,590	\$16,617	\$17,690			\$60,214
TransNet - LSI (Cash)	\$1,175	\$1,175								\$1,175
TransNet - LSI Carry Over	\$6,221	\$4,118	\$2,103							\$6,221
Local Funds	\$10,269	\$10,269								\$10,269
TOTAL	\$82,813	\$27,932	\$2,103	\$2,880	\$15,590	\$16,617	\$17,690			\$82,813

MPO ID: SD97							ADOPTION: 16-00				
Project Title:		School Traffic Safety Improvements					TransNet - LSI: CR				
Project Description:		FY2016/2017 Fairmount Avenue SR2S, - in San Diego, provide traffic control devices and pedestrian improvements (AIK00002/L00010/L00011)									
Capacity Status:		NCI		Exempt Category:		Other - Intersection signalization projects					
Est Total Cost: \$2,423											
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON	
TransNet - L	\$620	\$620								\$620	
TransNet - LSI	\$472	\$372	\$100							\$472	
TransNet - LSI Carry Over	\$1,181	\$680	\$501							\$1,181	
Local Funds	\$150	\$150								\$150	
TOTAL	\$2,423	\$1,822	\$601							\$2,423	

MPO ID: SD99			ADOPTION: 16-00							
Project Title:	Bridge Rehabilitation							TransNet - LSI: CR		
Project Description:	Citywide - in San Diego, bridge retrofit or replacement projects citywide (AIE00001) including Voltaire Street Bridge over Nimitz Blvd. rehabilitation (CIP 525233/B00870) and Barnett Ave. Bridge over Pacific Highway (CIP 525231/B00869)									
Capacity Status: NCI			Exempt Category: Safety - Non capacity widening or bridge reconstruction							
Est Total Cost: \$4,334										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - L	\$300	\$300								\$300
TransNet - LSI	\$2,441	\$191	\$250	\$500	\$500	\$500	\$500			\$2,441
TransNet - LSI Carry Over	\$1,593	\$184	\$1,409							\$1,593
TOTAL	\$4,334	\$675	\$1,659	\$500	\$500	\$500	\$500			\$4,334
*Local fund match for Bridge Preventive Maintenance Program - HBP CAL44										

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

San Diego, City of

MPO ID: SD102A								ADOPTION: 16-00		
Project Title:	Otay Truck Route Widening (Ph. 4)							RTP PG NO: B-39		
Project Description:	Otay Truck Route - in San Diego, from Drucker Lane to La Media, add one lane (total 3 lanes) for trucks; from Britannia to La Media, add one lane for trucks and one lane for emergency vehicles (Border Patrol/fire department access); along Britannia from Britannia Court to the Otay Truck Route - add one lane for trucks (CIP S-11060)							EARMARK NO: CA596/2655, CA700/3776 <i>TransNet</i> - LSI: CR		
	Capacity Status: CI		Exempt Category: Non-Exempt							
Est Total Cost: \$20,418 Open to Traffic: Phase 1: Dec 2009 Phase 2: Jan 2018										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
<i>TransNet</i> - L	\$100	\$100						\$100		
<i>TransNet</i> - LSI	\$10,183	\$483		\$9,700				\$217	\$266	\$9,700
<i>TransNet</i> - LSI Carry Over	\$4,767	\$250	\$4,517					\$250	\$4,517	
HPP	\$4,200	\$3,200	\$1,000					\$1,800	\$1,400	\$1,000
Local Funds	\$1,168	\$1,168						\$518		\$650
TOTAL	\$20,418	\$5,201	\$5,517	\$9,700				\$2,885	\$6,183	\$11,350

MPO ID: SD106								ADOPTION: 16-00		
Project Title:		Mission Beach Bulkhead Preservation						TransNet - LSI: CR		
Project Description:		Ocean Front Walk from Balboa Ct. to Pacific Beach Dr. - in San Diego, preserves bulkhead including replacing concrete deck and restoring wall (CIP S00726/CIP527190)								
Capacity Status: NCI		Exempt Category: Other - Plantings, landscaping, etc								
Est Total Cost: \$4,353										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - L	\$720	\$720								\$720
TransNet - L (Cash)	\$43	\$43								\$43
TransNet - LSI Carry Over	\$500	\$379	\$121							\$500
Local Funds	\$3,090	\$3,090								\$3,090
TOTAL	\$4,353	\$4,232	\$121							\$4,353

MPO ID: SD108								ADOPTION: 16-00			
Project Title:		Bayshore Bikeway						TransNet - LSI: CR			
Project Description:		Along Bayshore Bikeway - in San Diego at the borders of Imperial Beach (13th Street) and Chula Vista (Main Street, design/construct Class I bike path (581400,S-00944)									
Capacity Status: NCI		Exempt Category: Air Quality - Bicycle and pedestrian facilities									
Est Total Cost: \$5,591											
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON	
TransNet - B	\$718	\$718						\$275		\$443	
TransNet - LSI	\$55		\$20	\$35						\$55	
TransNet - LSI Carry Over	\$330	\$300	\$30								\$330
TransNet - MC	\$3,774	\$3,774						\$1,284		\$2,490	
PTA	\$90	\$90						\$90			
TDA - Bicycles	\$624	\$624								\$624	
TOTAL	\$5,591	\$5,506	\$50	\$35				\$1,649		\$3,942	

Tuesday, September 20, 2016

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

San Diego, City of

MPO ID: SD113								ADOPTION: 16-00		
Project Title:		I-5/Sorrento Valley Road						RAS (M - 49)		
Project Description:		Interstate 5 along Sorrento Valley Road - in San Diego, future new freeway access interchange including ramp (CIP 52-765.0,S-00914)						TransNet - LSI: CR		
Capacity Status:		NCI		Exempt Category: Other - Engineering studies						
Est Total Cost: \$4,111										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - LSI	\$189	\$189						\$189		
TransNet - LSI Carry Over	\$322	\$165	\$156					\$322		
DEMO - Sec 115	\$1,500	\$1,500						\$1,500		
STP - Sec 112	\$600	\$600						\$600		
STP - Sec 117	\$1,500	\$1,500						\$1,500		
TOTAL	\$4,111	\$3,954	\$156					\$4,111		

MPO ID: SD120								ADOPTION: 16-00		
Project Title:	San Diego River Multi-Use Bicycle and Pedestrian Path							TransNet - LSI: CR		
Project Description:	Hazard Center Drive from 400' west of SR163 to 600' east of SR163 - in San Diego on Hazard Center Drive under SR 163 - construct bicycle and pedestrian path on north side of San Diego River (CIP 58-191.0; S00958)									
Capacity Status: NCI		Exempt Category: Air Quality - Bicycle and pedestrian facilities								
Est Total Cost: \$1,679										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - B	\$180	\$180						\$180		
TransNet - LSI	\$643	\$643						\$564		\$79
TransNet - LSI Carry Over	\$856	\$806	\$50							
TOTAL	\$1,679	\$1,629	\$50					\$744		\$935

MPO ID: SD129								ADOPTION: 16-00		
Project Title:	University Avenue Mobility Project Phase 1							RAS (M - 49)		
Project Description:	University Avenue from Florida Street to Boundary Street - in San Diego, environmental studies, design and construction of improvement to University Avenue transit corridor in North Park improvements include installation of new medians for safety improvements, restriping, pedestrian popouts, new traffic signals, traffic signal modifications, enhanced pedestrian crossings and installation of a transit/bicycle/right turn only lane(augments Smart Growth Funding for this project in V10) (CIP S-00915)							TransNet - LSI: CR		
	Capacity Status: NCI		Exempt Category: Safety - Adding medians							
Est Total Cost: \$5,156										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - L	\$175	\$175						\$175		
TransNet - L (Cash)	\$200	\$200						\$200		
TransNet - LSI	\$3,867	\$667	\$3,200					\$635		\$3,232
TransNet - LSI Carry Over	\$764	\$191	\$572					\$45		\$719
Local Funds	\$150	\$150								\$150
TOTAL	\$5,156	\$1,383	\$3,772					\$1,055		\$4,101

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

San Diego, City of

MPO ID: SD137								ADOPTION: 16-00		
Project Title:	Palm Avenue Roadway Improvements							RAS (M - 48)		
Project Description:	Palm Ave from I-805 to Beyer Blvd - in San Diego, install traffic improvements to include raised medians with turn pockets, traffic signals, pedestrian refuge areas, etc (CIP 52-764.0,S-00913)							TransNet - LSI: CR		
Capacity Status: NCI			Exempt Category: Other - Intersection channelization projects							
Est Total Cost: \$4,767										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - L	\$300	\$300						\$300		
TransNet - LSI	\$1,161	\$1,161						\$1,161		
TransNet - LSI Carry Over	\$3,306	\$2,614	\$692					\$3,306		
TOTAL	\$4,767	\$4,075	\$692					\$1,461	\$3,306	

MPO ID: SD139							ADOPTION: 16-00			
Project Title:	Laurel Street Bridge over Highway 163						TransNet - LSI: CR			
Project Description:	On Laurel Street over SR 163 (Cabrillo Bridge) - in San Diego, this project provides for the maintenance, rehabilitation and seismic retrofitting of the bridge (CIP 53-061.0/S00939)									
Capacity Status: NCI		Exempt Category: Safety - Non capacity widening or bridge reconstruction								
Est Total Cost: \$406										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - L	\$276	\$276								\$276
TransNet - LSI	\$70	\$70								\$70
TransNet - LSI Carry Over	\$60	\$49	\$11							\$60
TOTAL	\$406	\$395	\$11							\$406

MPO ID: SD154							ADOPTION: 16-00					
Project Title:		La Jolla Mesa Drive Sidewalk					TransNet - LSI: CR					
Project Description:		On La Jolla Mesa Drive (east side) south of Deer Hill Court - in San Diego, install curb, gutter, sidewalk (CIP 52-780.0, S-00928)										
		Capacity Status: NCI		Exempt Category: Safety - Pavement resurfacing and/or rehabilitation								
Est Total Cost: \$826												
		TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON	
TransNet - L		\$115	\$115						\$115			
TransNet - L (Cash)		\$111	\$111								\$111	
TransNet - LSI Carry Over		\$600	\$42	\$558								\$600
TOTAL		\$826	\$268	\$558						\$115		\$711

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

San Diego, City of

MPO ID: SD157								ADOPTION: 16-00		
Project Title:		Cherokee Street Improvements						TransNet - LSI: CR		
Project Description:		Cherokee St from Monroe Ave to E Mountain View - in San Diego, construction of sidewalk and drainage improvements including curb and gutter; drainage improvements will reduce frequent flooding problems (CIP 52-773.0,S-00921)								
		Capacity Status: NCI		Exempt Category: Safety - Pavement resurfacing and/or rehabilitation						
Est Total Cost: \$1,986										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - L	\$30	\$30						\$30		
TransNet - LSI	\$235	\$235						\$70	\$165	
TransNet - LSI Carry Over	\$1,721	\$987	\$734						\$78	\$1,643
TOTAL	\$1,986	\$1,252	\$734					\$100	\$243	\$1,643

MPO ID: SD166								ADOPTION: 16-00		
Project Title:	Minor Bicycle Facilities							EARMARK NO: 317/90		
Project Description:	Citywide including:, El Camino Real/State Route 56 Bike Path Connector (S00981); SR56 Bike Interchanges (S00955) Downtown Bicycle Loop; Bikeway Striping Improvements Citywide (AIA00001) - install Bicycle Facilities (AIA00001)							TransNet - LSI: CR		
Capacity Status: NCI		Exempt Category: Air Quality - Bicycle and pedestrian facilities								
Est Total Cost: \$5,916										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - L	\$15	\$15						\$15		
TransNet - L (Cash)	\$136	\$136						\$136		
TransNet - LSI	\$3,772	\$22	\$750	\$750	\$750	\$750	\$750	\$15		\$3,757
TransNet - LSI Carry Over	\$1,633	\$826	\$806					\$1,633		
HPP	\$360	\$360						\$53		\$307
TOTAL	\$5,916	\$1,359	\$1,556	\$750	\$750	\$750	\$750	\$68		\$5,848

MPO ID: SD176								ADOPTION: 16-00		
Project Title:		Maintenance and Non Congestion Relief Efforts						TransNet - LSI: Maint		
Project Description:		Citywide - in San Diego, maintenance and non congestion relief efforts including but not limited to pavement overlay, pot hole repair, etc								
		Capacity Status: NCI		Exempt Category: Safety - Pavement resurfacing and/or rehabilitation						
Est Total Cost: \$122,769										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - LSI	\$106,480	\$54,329	\$9,591	\$9,992	\$10,410	\$10,849	\$11,309			\$106,480
TransNet - LSI Carry Over	\$16,289	\$16,289								\$16,289
TOTAL	\$122,769	\$70,618	\$9,591	\$9,992	\$10,410	\$10,849	\$11,309			\$122,769

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

San Diego, City of

MPO ID: SD179								ADOPTION: 16-00			
Project Title:	Linda Vista Road at Genesee Avenue							RAS (M - 47)			
Project Description:	On Linda Vista Road at Genesee Avenue - in San Diego, roadway improvements to include modification of medians for left turn lanes and the widening of Linda Vista Road for the creation of exclusive right turn lanes (CIP 52-754.0, S-00907)							TransNet - LSI: CR			
Capacity Status:		NCI		Exempt Category: Other - Intersection channelization projects							
Est Total Cost: \$888											
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON	
TransNet - LSI	\$333	\$333						\$70	\$69	\$194	
TransNet - LSI Carry Over	\$502	\$131	\$371							\$40	\$462
Local Funds	\$53	\$53						\$53			
TOTAL	\$888	\$517	\$371						\$123	\$109	\$656

MPO ID: SD186								ADOPTION: 16-00		
Project Title: Administrative Expenses								TransNet - LSI: CR		
Project Description: Citywide - City of San Diego 1% administrative costs										
Capacity Status: NCI								Exempt Category: Other - Non construction related activities		
Est Total Cost: \$3,724										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - LSI	\$3,252	\$1,496	\$323	\$336	\$351	\$365	\$381	\$3,252		
TransNet - LSI Carry Over	\$472	\$472						\$472		
TOTAL	\$3,724	\$1,968	\$323	\$336	\$351	\$365	\$381	\$3,724		

MPO ID: SD188								ADOPTION: 16-00		
Project Title:		Congestion Relief/Traffic Engineering Operations						TransNet - LSI: CR		
Project Description:		Various locations - congestion relief efforts to include intersection lighting, traffic signal coordination, centrally controlled traffic signal optimization system, traffic data collection for performance monitoring; traffic calming in Smart Growth areas; and project development/preliminary engineering/corridor studies								
Capacity Status:		NCI		Exempt Category: Other - Engineering studies						
Est Total Cost: \$28,869										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - LSI	\$26,837	\$10,419	\$3,284	\$3,284	\$3,284	\$3,284	\$3,284	\$26,837		
TransNet - LSI Carry Over	\$2,032	\$2,032						\$2,032		
TOTAL	\$28,869	\$12,451	\$3,284	\$3,284	\$3,284	\$3,284	\$3,284	\$28,869		

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

San Diego, City of

MPO ID: SD190				ADOPTION: 16-00							
Project Title:		Palm Avenue/Interstate 805 Interchange						RTP PG NO: B-40			
Project Description:		On Palm Avenue at Interstate 805; ; funding programmed for Phase I only - threshold traffic volumes within the Otay Mesa Community of the City of San Diego have been met, necessitating improvements to the Palm Avenue Bridge over I-805; project will also include repairs to the bridge approaches that are showing signs of failure; a new Project Study Report (PSR) and Preliminary Environmental Assessment Report (PEAR) are needed to consider all conditions within the project vicinity - Phase II of the project will include widening of the bridge, realignment of existing ramps, possible addition of northbound looping entrance ramp, restriping of traffic lanes, and signal modifications; Phase III will provide the ultimate build-out of the project which will incorporate improvements of Phase II plus the northbound and southbound entrance ramps (CIP 52-640.0)						RAS (M - 48)			
		Capacity Status: CI		Exempt Category: Non-Exempt							
Est Total Cost: \$17,369				Open to Traffic: Phase 1: Jun 2008		Phase 2: Dec 2018		Phase 3: Jun 2030			
		TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
Local Funds		\$17,369	\$7,369	\$10,000					\$7,119	\$250	\$10,000
TOTAL		\$17,369	\$7,369	\$10,000					\$7,119	\$250	\$10,000

MPO ID: SD200							ADOPTION: 16-00				
Project Title:		SR94/Euclid Avenue Interchange Improvements						RAS (M - 46)			
Project Description:		Euclid Avenue from Euclid Avenue to SR-94 - improvements to the interchange to enhance safety features through this corridor and the optimization of the level of service for both Euclid Avenue and SR 94 (S14009)						TransNet - LSI: CR			
		Capacity Status: NCI		Exempt Category: Other - Interchange reconfiguration projects							
Est Total Cost: \$3,875											
		TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - LSI		\$3,050		\$3,050							\$3,050
Local RTCIP		\$825	\$825						\$825		
TOTAL		\$3,875	\$825	\$3,050					\$825		\$3,050

MPO ID: SD208		ADOPTION: 16-00									
Project Title:	Juan Street Reconstruction								TransNet - LSI: CR		
Project Description:	Juan St from Taylor St to Sunset Road - this project provides for the replacement of the existing concrete pavement, curb, gutter and sidewalk on Juan Street from Taylor Street to Sunset Road; Phase I (Taylor Street to Harney Street) will provide new asphalt cement and cement treated base pavement; Phase II (Harney Street to Sunset Road) will provide new Portland cement concrete pavement - Project No. S-00602 (52-729.0)										
Capacity Status: NCI		Exempt Category: Safety - Pavement resurfacing and/or rehabilitation									
Est Total Cost: \$7,208											
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON	
TransNet - L (Cash)	\$2,259	\$2,259								\$2,259	
TransNet - LSI (Cash)	\$90		\$90							\$90	
TransNet - LSI Carry Over	\$2,159	\$789	\$1,369							\$2,159	
Local Funds	\$2,700	\$2,700						\$1,000		\$1,700	
TOTAL	\$7,208	\$5,748	\$1,459					\$1,000		\$6,208	

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Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

San Diego, City of

MPO ID: SD209							ADOPTION: 16-00			
Project Title:		Torrey Pines Road Slope Restoration					RAS (M - 49)			
Project Description:		Torrey Pines Road from Little St to Roseland Dr - this project provides for reconstructing a 350-foot section of earthen slope along the south side of Torrey Pines Road between Lookout Drive and Roseland Drive(S-00877)					TransNet - LSI: CR			
Capacity Status:		NCI		Exempt Category: Safety - Safety Improvement Program						
Est Total Cost: \$3,360										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - LSI Carry Over	\$714	\$403	\$311							\$714
Local Funds	\$280	\$280						\$280		
Local RTCIP	\$2,366	\$2,366								\$2,366
TOTAL	\$3,360	\$3,049	\$311					\$280		\$3,080

MPO ID: SD210				ADOPTION: 16-00						
Project Title:	Washington/India Five Points						TransNet - LSI: CR			
Project Description:	Washington Street from India St to Hancock Street - removal of asphalt concrete, installation of landscaping, irrigation, curb, gutter, and a neighborhood sign within existing median on Washington St., between India St. & San Diego Ave; construction of two new curb ramps, the upgrade of five existing curb ramps (four standard and one popout) on Washington St. at San Diego Ave. and Hancock St, the relocation of several signal poles to facilitate the curb ramp reconstructions and installation of countdowns & audible pedestrian signals on Washington St at Hancock St are also proposed.(S-00703 & S-00704 and S-00988)									
Capacity Status: NCI		Exempt Category: Other - Plantings, landscaping, etc								
Est Total Cost: \$946										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - LSI (Cash)	\$75		\$75							\$75
TransNet - LSI Carry Over	\$721	\$387	\$333							\$721
Local Funds	\$150	\$150						\$150		
TOTAL	\$946	\$537	\$408					\$150		\$796

MPO ID: SD226		ADOPTION: 16-00								
Project Title:	Old Otay Mesa Road Improvements							TransNet - LSI: CR		
Project Description:	Old Otay Mesa Road from Crescent Bay Dr to Hawken Drive - in San Diego on Old Otay Mesa Road between Crescent Bay Drive and Hawken Drive - provides for pedestrian improvements to include new sidewalks, curb, gutter, street lighting, traffic calming facilities (S00870)									
Capacity Status: NCI		Exempt Category: Air Quality - Bicycle and pedestrian facilities								
Est Total Cost: \$14,323										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - L (Cash)	\$37	\$37								\$37
TransNet - LSI (Cash)	\$200	\$200								\$200
TransNet - LSI Carry Over	\$8,836	\$272	\$8,563							\$8,836
Local Funds	\$5,250	\$5,250						\$3,250		\$2,000
TOTAL	\$14,323	\$5,759	\$8,563					\$3,250		\$11,073

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

San Diego, City of

MPO ID: SD235							ADOPTION: 16-00			
Project Title:		Torrey Pines Road Improvement Phase 2					RAS (M - 49)			
Project Description:		Torrey Pines Road from Amalfi to Hillside Drive - in San Diego, on Torrey Pines Road between Hillside Drive and Amalfi Street, provides path of travel for pedestrians and bicyclists (S15023)					TransNet - LSI: CR			
Capacity Status: NCI		Exempt Category: Air Quality - Bicycle and pedestrian facilities								
Est Total Cost: \$1,600										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - LSI	\$1,300		\$1,300							\$1,300
Local RTCIP	\$300	\$300						\$300		
TOTAL	\$1,600	\$300	\$1,300					\$300		\$1,300

MPO ID: SD237							ADOPTION: 16-00			
Project Title:	Coastal Rail Trail						TransNet - LSI: CR			
Project Description:	The proposed path will begin near the City of Del Mar at the intersection of Carmel Valley Road and Sorrento Valley Road to the north and continues to Union Station Downtown San Diego. The City is currently focusing on the northerly ten miles of the trail from the Sorrento Valley Road/Carmel Valley to the Gilman Drive/I-5 intersections. - the Coastal Rail Trail (CRT) is a multi-jurisdictional project among the coastal cities of Oceanside, Del Mar, Carlsbad, Encinitas, Solana Beach and San Diego.(City CIP S00951)									
Capacity Status: NCI		Exempt Category: Air Quality - Bicycle and pedestrian facilities								
Est Total Cost: \$1,500										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - LSI Carry Over	\$1,500	\$5	\$1,495					\$1,500		
TOTAL	\$1,500	\$5	\$1,495					\$1,500		

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

San Marcos, City of

MPO ID: SM19								ADOPTION: 16-00		
Project Title:		Grand Avenue Bridge and Street Improvements- #TBD						RTP PG NO: B-40		
Project Description:		From Discovery Street to San Marcos Boulevard - construct 4-lane secondary arterial bridge and a 6-lane arterial street from Craven Road to Grand Avenue								
		Capacity Status: CI		Exempt Category: Non-Exempt						
Est Total Cost: \$12,524		Open to Traffic: Jun 2021								
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
Local Funds	\$12,524	\$2,424					\$10,100	\$1,744	\$680	\$10,100
TOTAL	\$12,524	\$2,424					\$10,100	\$1,744	\$680	\$10,100

MPO ID: SM22								ADOPTION: 16-00		
Project Title:		South Santa Fe from Bosstick to Smilax #88179					RTP PG NO: B-40			
Project Description:		From Bosstick to Smilax - realign and signalize the South Santa Fe/Smilax intersection (Phase 1)					RAS (M-48)			
							TransNet - LSI: CR			
		Capacity Status: CI		Exempt Category: Non-Exempt						
Est Total Cost: \$6,602		Open to Traffic: May 2019								
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - H (78)	\$580	\$580							\$580	
TransNet - LSI	\$1,317		\$140	\$1,137	\$40			\$39	\$101	\$1,177
Local Funds	\$4,705	\$3,608			\$1,097			\$263	\$3,308	\$1,134
TOTAL	\$6,602	\$4,188	\$140	\$1,137	\$1,137			\$302	\$3,989	\$2,311

MPO ID: SM24								ADOPTION: 16-00		
Project Title:	Woodland Parkway Interchange and Barham Drive Widening & Street Improvements #88005						RTP PG NO: B-36, B-40 RAS (M-48)			
Project Description:	From La Moree Road to Rancheros Drive - modify existing ramps at Woodland Parkway and Barham Drive; widen and realign SR 78 undercrossing and associated work						TransNet - LSI: CR			
RT:78	Capacity Status: CI		Exempt Category: Non-Exempt							
Est Total Cost: \$42,648		Open to Traffic: Phase 1: Jun 2019		Phase 2: May 2021						
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - L	\$600	\$600						\$600		
TransNet - LSI	\$3,098					\$1,509	\$1,589			\$3,098
Local Funds	\$38,950	\$2,774	\$4,400	\$4,530	\$15,172	\$12,074		\$6,784	\$4,920	\$27,246
TOTAL	\$42,648	\$3,374	\$4,400	\$4,530	\$15,172	\$13,583	\$1,589	\$7,384	\$4,920	\$30,344

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

San Marcos, City of

MPO ID: SM31								ADOPTION: 16-00			
Project Title:	San Marcos Creek Specific Plan - Discovery St. Widening and Flood Control Improvements #88265							RTP PG NO: B-40 RAS (M-48) <i>TransNet</i> - LSI: CR			
Project Description:	From Via Vera Cruz Rd to Bent Ave/Craven Rd - widen roadway to four lane secondary arterial										
Capacity Status: CI		Exempt Category: Non-Exempt									
Est Total Cost: \$11,914		Open to Traffic: Feb 2019									
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON	
<i>TransNet</i> - Bond	\$1,997	\$1,998						\$1,457	\$40	\$500	
<i>TransNet</i> - LSI Carry Over	\$2,113	\$200	\$795	\$1,118				\$545	\$450	\$1,118	
Local Funds	\$6,022	\$486	\$1,283		\$4,252				\$147	\$215	\$5,660
Local RTCIP	\$1,782		\$1,782								\$1,782
TOTAL	\$11,914	\$2,684	\$2,577	\$2,401	\$4,252				\$2,149	\$705	\$9,060

MPO ID: SM32								ADOPTION: 16-00		
Project Title:	Via Vera Cruz Bridge and Street Improvements #88264						RTP PG NO: B-40			
Project Description:	From San Marcos Boulevard to Discovery Street - Part of San Marcos Creek Specific Plan group of projects to widen to four lane secondary arterial and construct a bridge at San Marcos Creek						TransNet - LSI: CR			
Capacity Status: CI		Exempt Category: Non-Exempt								
Est Total Cost: \$26,392		Open to Traffic: Feb 2019								
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - LSI	\$199		\$125	\$74				\$125		\$74
TransNet - LSI Carry Over	\$95	\$95						\$95		
HBP	\$16,590	\$2,248				\$14,342		\$1,805	\$443	\$14,342
Local Funds	\$9,508	\$172				\$9,336		\$115	\$57	\$9,336
TOTAL	\$26,392	\$2,515	\$125	\$74		\$23,678		\$2,140	\$500	\$23,752

MPO ID: SM42								ADOPTION: 16-00		
Project Title:	Discovery Street 6-Lane Roadway Improvements - #TBD						RTP PG NO: B-40			
Project Description:	From Craven Road to Twin Oaks Valley Road - in the City of San Marcos, on Discovery Street from Craven Road to west of Twin Oaks Valley Road, construct approximately 5,100 lineal feet of a new 6-lane roadway.						RAS (M-48)			
	Capacity Status: CI		Exempt Category: Non-Exempt							
Est Total Cost: \$12,500 Open to Traffic: Jun 2018										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
Local Funds	\$12,500	\$2,500		\$3,300	\$6,700			\$500	\$2,000	\$10,000
TOTAL	\$12,500	\$2,500		\$3,300	\$6,700			\$500	\$2,000	\$10,000

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

San Marcos, City of

MPO ID: SM48							ADOPTION: 16-00			
Project Title:	San Marcos Creek Specific Plan: Creekside Drive and Pad Grading #88505						RTP PG NO: A-34 <i>TransNet</i> - LSI: CR			
Project Description:	Creekside Drive from Via Vera Cruz to Grand Ave - construct approximately 3,000 feet of a two-lane collector road from Via Vera Cruz to Grand Avenue in the City of San Marcos; will include two 12' lanes, diagonal parking on the north side, and parallel parking on the south side; the project will also include a 10' bike trail meandering along the south side									
	Capacity Status: CI		Exempt Category: Non-Exempt							
Est Total Cost: \$11,647 Open to Traffic: Jun 2019										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
<i>TransNet</i> - Bond	\$1,384	\$1,384						\$929	\$455	
<i>TransNet</i> - LSI (Cash)	\$473	\$100	\$373					\$473		
<i>TransNet</i> - LSI Carry Over	\$3,163		\$2,147	\$1,016				\$779	\$1,368	\$1,016
Local Funds	\$6,627	\$1,058		\$2,021	\$3,548				\$170	\$6,457
TOTAL	\$11,647	\$2,542	\$2,520	\$3,037	\$3,548			\$2,181	\$1,993	\$7,473

MPO ID: SM49								ADOPTION: 16-00		
Project Title:		Palomar Station Pedestrian Bridge #88511								
Project Description:		West Mission Road from Palomar College Transit Center to NCTD Sprinter station - design and construction of a 100 foot long pedestrian bridge over West Mission Road: bridge will link the Palomar Sprinter station with the Palomar College Transit Center								
		Capacity Status: NCI		Exempt Category: Air Quality - Bicycle and pedestrian facilities						
Est Total Cost: \$5,554										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TCSP	\$783	\$141	\$633		\$9			\$774		\$9
Local Funds	\$4,771	\$76	\$158		\$4,535			\$335		\$4,436
TOTAL	\$5,554	\$217	\$791		\$4,544			\$1,109		\$4,445

MPO ID: SM54								ADOPTION: 16-00		
Project Title:	Citywide Traffic Signals - RAMS							TransNet - LSI: CR		
Project Description:	Regional Arterial Management System - RAMS Traffic Signals. TransNet - LSI RAMS of \$11 is programmed through FY 2021									
	Capacity Status: NCI		Exempt Category: Other - Traffic signal synchronization projects							
Est Total Cost: \$86										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - LSI	\$86	\$32	\$11	\$11	\$11	\$11	\$11	\$86		
TOTAL	\$86	\$32	\$11	\$11	\$11	\$11	\$11	\$86		

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

San Marcos, City of

MPO ID: SM56								ADOPTION: 16-00		
Project Title:		Bent Ave. Bridge and Improvements #88263						TransNet - LSI: CR		
Project Description:		Bent Avenue from Discovery St to San Marcos Blvd - Part of San Marcos Creek Specific Plan set of projects to construct new two lane bridge to replace existing two lane low water crossing- Local TransNet funds to match HBP funds programmed as part of CAL44 Highway Bridge Program								
Capacity Status:		NCI		Exempt Category: Safety - Non capacity widening or bridge reconstruction						
Est Total Cost: \$259										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - LSI	\$142		\$142					\$142		
TransNet - LSI Carry Over	\$88	\$87						\$42	\$46	
Local Funds	\$29	\$29						\$29		
TOTAL	\$259	\$116	\$142					\$213	\$46	

MPO ID: SM58								ADOPTION: 16-00		
Project Title:		Sidewalk Repair and Replacement #86006						TransNet - LSI: Maint		
Project Description:		Various locations throughout the City - Maintain condition of City sidewalks and pedestrian ramps								
Capacity Status:		NCI		Exempt Category: Air Quality - Bicycle and pedestrian facilities						
Est Total Cost: \$203										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - LSI	\$203		\$203							\$203
TOTAL	\$203		\$203							\$203

MPO ID: SM59								ADOPTION: 16-00		
Project Title:		Annual Street Overlay Project #TBD						TransNet - LSI: Maint		
Project Description:		Various streets throughout the City, but could potentially include Rancho Santa Fe Rd., Mulberry Dr. and San Marcos Blvd. - Street overlay less than 1-inch thick to various streets throughout the city								
Capacity Status:		NCI		Exempt Category: Safety - Pavement resurfacing and/or rehabilitation						
Est Total Cost: \$3,533										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - LSI	\$1,914		\$499	\$87	\$1,328					\$1,914
TransNet - LSI (Cash)	\$619		\$619							\$619
Local Funds	\$1,000		\$1,000							\$1,000
TOTAL	\$3,533		\$2,118	\$87	\$1,328					\$3,533

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

San Marcos, City of

MPO ID: SM60							ADOPTION: 16-00			
Project Title:		Annual Surface Seal Project - 2017 #86008						TransNet - LSI: Maint		
Project Description:		Various locations - Preventative preservation to various streets throughout the city.								
Capacity Status:		NCI		Exempt Category: Safety - Pavement resurfacing and/or rehabilitation						
Est Total Cost: \$1,000										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - LSI	\$100		\$100							\$100
Local Funds	\$900		\$900							\$900
TOTAL	\$1,000		\$1,000							\$1,000

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

Santee, City of

MPO ID: SNT04								ADOPTION: 16-00		
Project Title:	Santee Rehabilitation and Major Repair Work							TransNet - LSI: CR		
Project Description:	Multiple locations as recommended by Pavement Management Program report -Pavement Zones: AC, AF, BC, BE, BF, BJ, CC, DA, DB, DD, DE, EE, EF - reconstruction and rehabilitation in the form of removal and replacement of existing pavement sections 2 inches minimum, 1.5 inch minimum overlay, pedestrian ramps, sidewalk improvements, and drainage improvements as part of the rehabilitation improvements									
	Capacity Status: NCI		Exempt Category: Safety - Pavement resurfacing and/or rehabilitation							
Est Total Cost: \$23,952										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - Bond	\$9,855	\$7,627	\$2,229					\$343		\$9,512
TransNet - L	\$7,729	\$7,729								\$7,729
TransNet - LSI	\$2,060	\$287		\$376	\$420	\$465	\$512	\$142	\$471	\$1,447
TransNet - LSI (Cash)	\$1	\$1								\$1
TransNet - LSI Carry Over	\$3,121	\$3,106	\$16					\$158		\$2,963
Local Funds	\$1,186	\$1,186						\$15		\$1,171
TOTAL	\$23,952	\$19,936	\$2,245	\$376	\$420	\$465	\$512	\$658	\$471	\$22,823

MPO ID: SNT20			ADOPTION: 16-00							
Project Title:	Traffic Signals Citywide							TransNet - LSI: CR		
Project Description:	This will be implemented on all citywide traffic signals through the RAMS program - ability to coordinate signal plan development across jurisdictional boundaries with a common time source and a common platform to build an integrated corridor management system; this will include software maintenance, hardware maintenance, and communication infrastructure through the Regional Arterial Management System (RAMS). TransNet - LSI RAMS of \$7 is programmed through FY 2021									
Capacity Status: NCI			Exempt Category: Other - Traffic signal synchronization projects							
Est Total Cost: \$59										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - LSI	\$59	\$22	\$7	\$7	\$7	\$7	\$7	\$59		
TOTAL	\$59	\$22	\$7	\$7	\$7	\$7	\$7	\$59		

MPO ID: SNT22								ADOPTION: 16-00		
Project Title:	Santee Slurry Seal and Roadway Maintenance							TransNet - LSI: Maint		
Project Description:	Various locations as defined in pavement management report - Maintenance repair in the form of grind and patch failed areas followed by Cape seal or Slurry seal of the street									
Capacity Status: NCI			Exempt Category: Safety - Pavement resurfacing and/or rehabilitation							
Est Total Cost: \$3,181										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - LSI	\$1,767	\$600	\$408	\$161	\$180	\$199	\$219	\$93		\$1,674
TransNet - LSI Carry Over	\$1,414	\$904	\$510					\$78		\$1,336
TOTAL	\$3,181	\$1,504	\$918	\$161	\$180	\$199	\$219	\$171		\$3,010

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

Santee, City of

MPO ID: SNT23								ADOPTION: 16-00		
Project Title:	Transportation Improvement Master Plan Implementation; CIP 2013-54							RAS (M-48)		
Project Description:	Magnolia Avenue, Mission Gorge Road, Cuyamaca Street, Mast Boulevard, and Town Center Parkway - citywide improvements to existing traffic signals, communication systems, surveillance cameras and other improvements pursuant to the recommendations of the City's Transportation Improvement Master Plan; includes upgrading the existing obsolete signal traffic controllers and installation of traffic signal inter-connection cabling in order to conform to the San Diego Regional Standards thereby improving signal operations									
	Capacity Status: NCI Exempt Category: Other - Traffic signal synchronization projects									
Est Total Cost: \$3,465										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
Local Funds	\$1,348	\$275	\$449		\$624			\$10		\$1,338
Local RTCIP	\$2,117	\$1,250	\$90	\$622	\$155			\$496		\$1,621
TOTAL	\$3,465	\$1,525	\$539	\$622	\$779			\$506		\$2,959

MPO ID: SNT26							ADOPTION: 16-00			
Project Title:	Woodside Avenue/SR-67 Improvements						RAS (M-48)			
Project Description:	Woodside Avenue from SR-67 to SR-67 - This project proposes to improve traffic circulation at the intersection of Woodside Avenue at State Route 67 and make a sidewalk connection to North Woodside Avenue. It includes replacing the stop sign controlled intersection with medians, sidewalks, roundabout and/or other traffic signal improvements. The project will also require improvements within the Caltrans right-of-way on the State Route 67 off-ramp.									
Capacity Status: NCI		Exempt Category: Other - Changes in vertical and horizontal alignment								
Est Total Cost: \$2,800										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
Local RTCIP	\$2,800		\$200	\$200	\$1,800	\$600		\$400		\$2,400
TOTAL	\$2,800		\$200	\$200	\$1,800	\$600		\$400		\$2,400

MPO ID: SNT27							ADOPTION: 16-00				
Project Title:	Pavement Condition Survey and Report							TransNet - LSI: CR			
Project Description:	Citywide - The pavement condition report will be prepared by an assets management consultant to conduct a complete survey of all City streets and propose repair and funding strategies in order to maintain current and future pavement conditions										
Capacity Status: NCI		Exempt Category: Other - Engineering studies									
Est Total Cost: \$70											
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON	
TransNet - LSI	\$70		\$70					\$70			
TOTAL	\$70		\$70					\$70			

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

Solana Beach, City of

MPO ID: SB16								ADOPTION: 16-00		
Project Title:	Pavement Resurfacing							RAS (M-48)		
Project Description:	Various streets as determined by pavement management programming. Street list to be uploaded annually; RTCIP to be used on Lomas Santa Fe Dr - in Solana Beach, pavement overlays							TransNet - LSI: CR		
Capacity Status: NCI		Exempt Category: Safety - Pavement resurfacing and/or rehabilitation								
Est Total Cost: \$684										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - LSI	\$428	\$15	\$53	\$70	\$90	\$100	\$100			\$428
TransNet - LSI Carry Over	\$209	\$199			\$10					\$209
Local RTCIP	\$47		\$47							\$47
TOTAL	\$684	\$214	\$100	\$70	\$100	\$100	\$100			\$684

MPO ID: SB18								ADOPTION: 16-00		
Project Title:	Pavement Maintenance							TransNet - LSI: Maint		
Project Description:	Street locations to be determined by city wide condition assessment; street list to be uploaded annually - slurry seals and localized pavement repairs									
	Capacity Status: NCI		Exempt Category: Safety - Pavement resurfacing and/or rehabilitation							
Est Total Cost: \$250										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - LSI	\$250		\$50	\$50	\$50	\$50	\$50			\$250
TOTAL	\$250		\$50	\$50	\$50	\$50	\$50			\$250

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

Transportation Corridor Agencies

MPO ID: TCA01							ADOPTION: 16-00			
Project Title:		Foothill Transportation Corridor South					RTP PG NO: A-5, B-30			
Project Description:		On SR 241 from Orange/San Diego County line to Cristianitos interchange - construct 3 general purpose toll lanes; from Cristianitos interchange to I-5 - construct 2 general purpose toll lanes								
RT:241		Capacity Status: CI		Exempt Category: Non-Exempt						
Est Total Cost: \$557,438		Open to Traffic: Phase 1: Dec 2022			Phase 2: Dec 2030					
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
Local Funds	\$392,423	\$114,111			\$59,949	\$118,367	\$99,996	\$114,839	\$27,594	\$249,990
TOTAL	\$392,423	\$114,111			\$59,949	\$118,367	\$99,996	\$114,839	\$27,594	\$249,990
*Funding Source = Foothill/Eastern Transportation Corridor Agency; an additional \$120.984M proposed in future years outside the 5-Year RTIP for Phase I; Phase II is est. at \$62.874M										

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

Various Agencies

MPO ID: V07								ADOPTION: 16-00			
Project Title:		Biological Mitigation Program						SANDAG ID: 1200200			
Project Description:		Countywide - habitat acquisition, restoration, creation, enhancement, management and monitoring necessary for meeting project mitigation requirements; mitigation efforts will focus on <i>TransNet</i> Early Action Program projects, then Regional Transportation Plan (RTP) Revenue Constrained projects									
		Capacity Status: NCI		Exempt Category: Other - Advance land acquisitions							
Est Total Cost: \$458,000											
		TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - REMP		\$439,412	\$193,762	\$89,150	\$58,650	\$53,125	\$31,000	\$13,725	\$9,715	\$112,972	\$316,725
Local Funds		\$253	\$253								\$253
TOTAL		\$439,665	\$194,015	\$89,150	\$58,650	\$53,125	\$31,000	\$13,725	\$9,715	\$112,972	\$316,978
*Total project funding beyond current RTIP cycle											

MPO ID: V08								ADOPTION: 16-00		
Project Title:		Regional Habitat Conservation Fund						SANDAG ID: 1200300		
Project Description:		Countywide - regional habitat management and monitoring								
		Capacity Status: NCI		Exempt Category: Other - Plantings, landscaping, etc						
Est Total Cost: \$44,519										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - REMP	\$44,176	\$32,499	\$4,875	\$4,875	\$1,927			\$22,744		\$21,432
Local Funds	\$343	\$343								\$343
TOTAL	\$44,519	\$32,842	\$4,875	\$4,875	\$1,927			\$22,744		\$21,775

MPO ID: V10							ADOPTION: 16-00			
Project Title:	Grouped Projects for <i>TransNet</i> Smart Growth Incentive Program						SANDAG ID: 12240036, 1224015, 1224016, 1224017, 1224018, 1224019, 1224020, 1224021, 1224022, 1224023, 1224024, 1224025, 1224026, 1224027, 1224028, 1224029, 1224030, 1224031, 1224032, 1224033, 1224034, 1224035, 1224037, 1224038, 1224039, 1224040, 1224041, 1224042, 1224043, 1224044			
Project Description:	Projects are consistent with CFR Parts 93.126 and 93.127 Exempt Tables 2 and 3 categories: transportation enhancement activities (except rehabilitation and operation of historic transportation buildings, structures, or facilities)									
Capacity Status: NCI		Exempt Category: Other - Transportation enhancement activities								
Est Total Cost: \$31,221										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
<i>TransNet</i> - BPNS	\$3,700		\$2,700	\$500	\$500					\$3,700
<i>TransNet</i> - LSI	\$2,670	\$20	\$850	\$900	\$900					\$2,670
<i>TransNet</i> - SGIP	\$13,420	\$2,550	\$5,232	\$4,060	\$1,577					\$13,420
Local Funds	\$11,431	\$2,469	\$3,977	\$4,861	\$126					\$11,431
TOTAL	\$31,221	\$5,039	\$12,759	\$10,321	\$3,103					\$31,221

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

Various Agencies

MPO ID: V11							ADOPTION: 16-00					
Project Title:		State Route 11					EA NO: 05631					
Project Description:		From Border of Mexico east of SR 905/Otay Mesa Border Crossing to future SR 125/905 junction - Construction of four-lane toll highway facility, CVEF and POE in three segments: Segment 1: SR-11/905 to Enrico Fermi; Segment 2: SR-11 from Enrico Fermi to Siempre Viva; Segment 3: POE from Siempre Viva to Mexico Border; Segment 1 is fully funded through Construction phase . Toll Credits of \$4,509 will be used to match federal funds for the PE phase, Toll Credits of \$4,638 will be used to match federal funds for the ROW phase					PPNO: 0999 RTP PG NO: A-6; B-5 SANDAG ID: 1201101 EARMARK NO: CA393/740					
RT:11		Capacity Status: CI		Exempt Category: Non-Exempt								
Est Total Cost: \$704,865							Open to Traffic: Phase 1: Apr 2016		Phase 2: Dec 2017		Phase 3: Dec 2017	
		TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON	
TransNet - Border		\$6,488	\$4,606	\$1,773	\$109					\$6,488		
TransNet - MC		\$4,343	\$382	\$3,961					\$4,343			
CBI		\$80,395	\$80,395						\$29,700	\$50,695		
HPP		\$800	\$800						\$800			
ITS		\$439	\$439						\$439			
Prop 1B - TCIF		\$71,625	\$71,625								\$71,625	
STIP-IIP NHS		\$6,882	\$6,882						\$6,882			
STIP-IIP Prior State Cash		\$5,200	\$5,200						\$5,200			
STIP-IIP State Cash		\$919	\$919						\$919			
Local Funds		\$527,774	\$527,774						\$5,657	\$61,217	\$460,900	
TOTAL		\$704,865	\$699,022	\$5,734	\$109				\$53,940	\$118,400	\$532,525	

MPO ID: V12							ADOPTION: 16-00			
Project Title:	Grouped Projects for Bicycle and Pedestrian Facilities.						SANDAG ID: 1144500, 1223036,			
Project Description:	Projects are consistent with 40 CFR Part 93.126 Exempt Table 2 categories - bicycle and pedestrian facilities (both motorized and non-motorized)						1223039, 1223042, 1223044, 1223054, 1223057, 1223058, 1223059, 1223060, 1223062, 1223063, 1223064, 1223065, 33009			
	Capacity Status: NCI		Exempt Category: Air Quality - Bicycle and pedestrian facilities							
Est Total Cost: \$13,587										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - BPNS	\$12,977	\$4,554	\$5,368	\$2,722	\$334					\$12,977
TransNet - L (Cash)	\$52	\$52								\$52
TransNet - LSI Carry Over	\$98	\$1	\$97							\$98
Local Funds	\$310	\$310								\$310
TDA - Bicycles	\$150	\$150								\$150
TOTAL	\$13,587	\$5,067	\$5,465	\$2,722	\$334					\$13,587

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

Various Agencies

MPO ID: V14								ADOPTION: 16-00		
Project Title:		Grouped Projects for Active Transportation Program (ATP)						SANDAG ID: 1223014		
Project Description:		Projects are consistent with 40 CFR Part 93.126 Exempt Table 2 categories - bicycle and pedestrian facilities (both motorized and non-motorized)								
		Capacity Status: NCI		Exempt Category: Air Quality - Bicycle and pedestrian facilities						
Est Total Cost: \$31,313										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - BPNS	\$2,080	\$1,777	\$70	\$60	\$173					\$2,080
ATP - R	\$15,247	\$12,385	\$638	\$780	\$1,444					\$15,247
ATP - S	\$9,842		\$1,655	\$3,452	\$4,735					\$9,842
Local Funds	\$4,144		\$591	\$1,393	\$2,160					\$4,144
TOTAL	\$31,313	\$14,162	\$2,954	\$5,685	\$8,512					\$31,313

MPO ID: V15								ADOPTION: 16-00		
Project Title:	I-5/Gilman Drive Bridge.							EA NO: 2T175		
Project Description:	From Gilman Dr. to Medical Center Dr. - In San Diego, construct new overcrossing over I-5 between Gilman Dr. and Medical Center Dr.. Toll Credits of \$1,709 will be used to match federal funds for the CON phase							SANDAG ID: 1200508		
Capacity Status: CI			Exempt Category: Non-Exempt							
Est Total Cost: \$19,407			Open to Traffic: Aug 2018							
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - MC	\$1,810	\$40	\$871	\$899				\$550		\$1,260
RSTP	\$13,190	\$13,190								\$13,190
Local Funds	\$4,407		\$3,574	\$833						\$4,407
TOTAL	\$19,407	\$13,230	\$4,445	\$1,732				\$550		\$18,857

MPO ID: V16							ADOPTION: 16-00			
Project Title:	Grouped Projects for Operating Assistance - <i>TransNet</i> Senior Mini-Grant Program						SANDAG ID: 1270500, 1270600, 1270700, 1271100, 1271300, 1272100, 1272200, 1272300, 1272400			
Project Description:	Projects are consistent with 40 CFR Part 93.126 Exempt Table 2 categories: operating assistance to transit operators - non profit agencies providing transportation programs specializing in services for seniors									
	Capacity Status: NCI		Exempt Category: Mass Transit - Transit operating assistance							
Est Total Cost: \$4,500										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
<i>TransNet</i> - SS	\$3,469	\$2,692	\$777							\$3,469
FTA 5317 - NF	\$116	\$116								\$116
Local Funds	\$915	\$729	\$186							\$915
TOTAL	\$4,500	\$3,537	\$963							\$4,500

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

Various Agencies

MPO ID: V17							ADOPTION: 16-00			
Project Title:	Grouped Projects for <i>TransNet</i> Active Transportation Grant Program (ATGP)						SANDAG ID: 1223068, 1223069, 1223070, 1223071, 1223072, 1223074, 1223076, 1223077			
Project Description:	Projects are consistent with 40 CFR Part 93.126 Exempt Table 2 categories - bicycle and pedestrian facilities (both motorized and non-motorized)									
Capacity Status: NCI		Exempt Category: Air Quality - Bicycle and pedestrian facilities								
Est Total Cost: \$6,263										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
<i>TransNet</i> - BPNS	\$1,054		\$1,054							\$1,054
<i>TransNet</i> - LSI Carry Over	\$251	\$6	\$88	\$156						\$251
Local Funds	\$2,175	\$46	\$1,140	\$357	\$632					\$2,175
TDA - Bicycles	\$2,783	\$149	\$1,245	\$1,061	\$328					\$2,783
TOTAL	\$6,263	\$201	\$3,527	\$1,574	\$960					\$6,263

MPO ID: V18							ADOPTION: 16-00			
Project Title:	I-5/Voigt Drive Improvements						EA NO: 2T215			
Project Description:	From La Jolla Village Drive to Genesee Avenue - in San Diego, on Interstate 5 between La Jolla Village Drive and Genesee Avenue, reconstruct Voigt bridge over I-5, realign both Campus Point Dr. and Voigt Dr. between Lyman Lane and Genesee Avenue						RTP PG NO: A-5,16,31,38,B-30 SANDAG ID: 1200507			
Capacity Status: CI		Exempt Category: Non-Exempt								
Est Total Cost: \$6,000		Open to Traffic: Oct 2019								
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - MC	\$5,000	\$3,187	\$1,813					\$5,000		
TOTAL	\$5,000	\$3,187	\$1,813					\$5,000		
*\$1 million in SHOPP funds programmed in CAL398										

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

Vista, City of

MPO ID: VISTA15							ADOPTION: 16-00			
Project Title:	SR 78 @ Sycamore Ramp Improvement CIP 8107						RAS (M-49)			
Project Description:	From SR-78 to Sycamore - design and construct a dedicated right-turn lane for traffic migrating from eastbound SR-78 to southbound Sycamore Avenue in the right-of-way; objective is to reduce congestion on freeway exit during morning rush hour									
Capacity Status: NCI		Exempt Category: Other - Interchange reconfiguration projects								
Est Total Cost: \$458										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - L	\$165	\$165						\$50		\$115
Local Funds	\$176	\$121	\$55					\$10		\$166
Local RTCIP	\$117	\$117						\$117		
TOTAL	\$458	\$403	\$55					\$177		\$281
*Additional funding included in CAL105 HSIP approved list of projects										

MPO ID: VISTA46								ADOPTION: 16-00		
Project Title:	Annual Street Construction and Overlay CIP8225							RAS (M-49)		
Project Description:	Various streets City-wide. Including two RAS streets: 1) Civic Center Dr (formerly Escondido Ave)entire length between SR-78 and E, Vista Way. And 2) Olive Avenue, portion from N. Melrose Ave to Maryland Dr. - repair/rehabilitate distressed pavement and resurface streets identified as high priority in Pavement Management System.; improvements include replacement of damaged curb & gutter, sidewalk, storm drain culverts; all required upgrades such as installation or replacement of curb ramps and traffic signs; all surface preparation such as dig-outs, crack sealing, cold milling, and leveling course; all adjustments such as shoulder grading, traffic signal loop replacement, manhole adjustments, striping, and survey monuments							TransNet - LSI: CR		
Capacity Status: NCI			Exempt Category: Safety - Pavement resurfacing and/or rehabilitation							
Est Total Cost: \$12,740										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - LSI	\$6,633	\$733	\$750	\$800	\$900	\$1,700	\$1,750	\$300		\$6,333
TransNet - LSI (Cash)	\$21	\$21								\$21
TransNet - LSI Carry Over	\$4,915	\$3,915	\$500	\$500				\$56		\$4,859
Local Funds	\$1,032	\$1,032						\$165		\$867
Local RTCIP	\$139	\$139								\$139
TOTAL	\$12,740	\$5,840	\$1,250	\$1,300	\$900	\$1,700	\$1,750	\$521		\$12,219

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

Vista, City of

MPO ID: VISTA50							ADOPTION: 16-00			
Project Title:	Paseo Santa Fe Streetscape Improvements - Phase 1 CIP8232						RAS (M-49)			
Project Description:	S. Santa Fe from Vista Village Dr to Guajome St - 2 lane collector - design and phased construction of street improvements along S. Santa Fe between Vista Village Drive and Guajome Street; improvements include new curb, gutter, sidewalks, round-about, street lights, street signs, medians, paving, and pedestrian furniture						TransNet - LSI: CR			
Capacity Status:		NCI		Exempt Category: Safety - Non signalization traffic control and operating						
Est Total Cost: \$7,400										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - LSI	\$900	\$900								\$900
TransNet - LSI Carry Over	\$2,444	\$2,444						\$20		\$2,424
Local Funds	\$4,056	\$4,046	\$10					\$718		\$3,338
TOTAL	\$7,400	\$7,390	\$10					\$738		\$6,662

MPO ID: VISTA51								ADOPTION: 16-00		
Project Title:	Minor Traffic Signal Modifications Program CIP8142							TransNet - LSI: CR		
Project Description:	City of Vista - improve and/or upgrade various traffic signal loop and detector systems; maintenance includes replacements of aging signal cabinets and battery back-up units, upgrades to ADA compliant pushbuttons, and upgrades of other signal equipment as necessary for improved traffic monitoring and coordination. TransNet - LSI RAMS of \$9 programmed through FY 2021									
Capacity Status: NCI			Exempt Category: Other - Traffic signal synchronization projects							
Est Total Cost: \$521										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - LSI	\$70	\$26	\$9	\$9	\$9	\$9	\$9	\$70		
Local Funds	\$451	\$451						\$35		\$416
TOTAL	\$521	\$477	\$9	\$9	\$9	\$9	\$9	\$105		\$416

MPO ID: VISTA53								ADOPTION: 16-00		
Project Title:	Annual Street Maintenance and Resurfacing CIP8262							TransNet - LSI: Maint		
Project Description:	Multiple locations citywide (arterials, collectors, and residential streets) annually per priority ranking in the City's Pavement Management Plan - repair/rehabilitate distressed pavement areas and overlay streets with asphalt concrete where identified as priorities in street inventory									
Capacity Status: NCI			Exempt Category: Safety - Pavement resurfacing and/or rehabilitation							
Est Total Cost: \$6,827										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - LSI	\$3,850	\$600	\$600	\$600	\$600	\$700	\$750	\$300		\$3,550
TransNet - LSI Carry Over	\$227	\$227								\$227
Local Funds	\$2,750	\$1,750	\$500		\$500					\$2,750
TOTAL	\$6,827	\$2,577	\$1,100	\$600	\$1,100	\$700	\$750	\$300		\$6,527

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

Vista, City of

MPO ID: VISTA55								ADOPTION: 16-00		
Project Title:	Pedestrian Mobility Sidewalks - CIP 8290							TransNet - LSI: CR		
Project Description:	Along the westerly side of Sycamore Avenue between Shadowridge Drive and Geen Oak Road, on Gannett Drive from Woodrail Drive to Lagan Avenue, and on Lagan Avenue from Gannett Drive to Bobier Elementary School - Construct sidewalks along streets that are improved with curb and gutter and missing sections of sidewalk; priority will be given to areas with high pedestrian traffic or ADA-access issues									
Capacity Status: NCI		Exempt Category: Air Quality - Bicycle and pedestrian facilities								
Est Total Cost: \$750										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - LSI	\$450		\$50	\$50	\$50	\$150	\$150			\$450
TransNet - LSI Carry Over	\$300		\$100	\$100	\$100					\$300
TOTAL	\$750		\$150	\$150	\$150	\$150	\$150			\$750

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

RTIP Fund Types

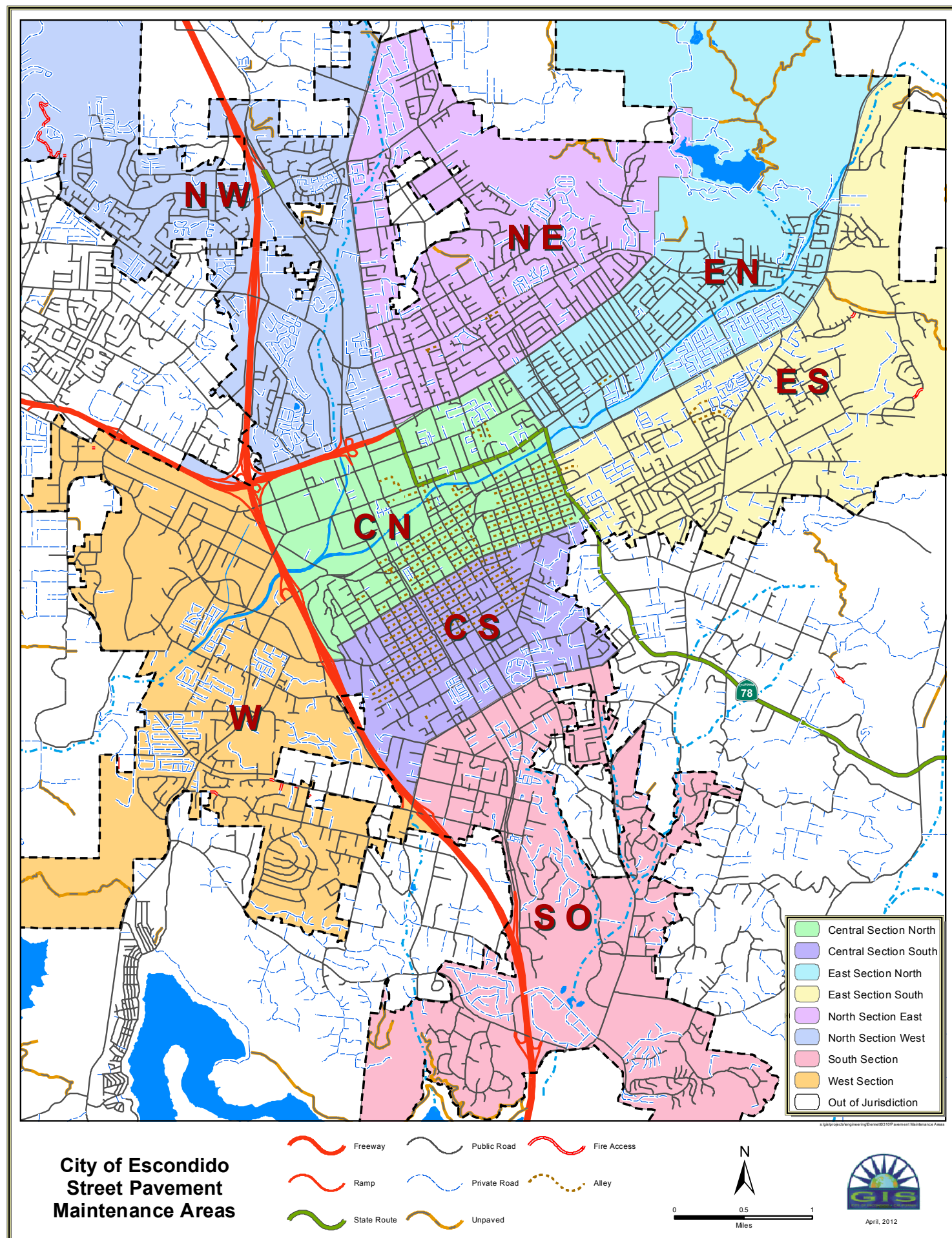
<i>Federal Funding</i>	
ARRA	American Recovery and Reinvestment Act (Federal Stimulus Program)
BIP/CBI	Border Infrastructure Program/Corridors and Borders Infrastructure Program
CMAQ	Congestion Mitigation and Air Quality
DEMO - TEA 21	High Priority Demonstration Program under TEA-21
DEMO-Sec 115	High Priority Demonstration Program under FY 2004 Appropriations
DEMO-Sec 117/STP	Surface Transportation Program under FHWA Administrative Program (congressionally directed appropriations)
DOE	Department of Energy
FRA-ARRA	Federal Railroad Administration (Federal Stimulus)
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 5317 (NF)	Federal Transit Administration New Freedom
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
HBP	Highway Bridge Program under SAFETEA-LU
HBRR	Highway Bridge Repair and Rehabilitation under TEA-21
HPP	High Priority Program under SAFETEA-LU
HSIP	Highway Safety Improvement Program
HUD	Housing and Urban Development
ITS	Intelligent Transportation System
NHS	National Highway System (administered by Caltrans)
RSTP	Regional Surface Transportation Program
STP-RL	Surface Transportation Program - Highway Railway Crossings Program (Section 130)
TCSP	Transportation, Community & System Preservation
TE	Transportation Enhancement Program
TPFP	Truck Parking Facilities Program (Federal Discretionary)
TIGER	Transportation Investment Generating Economic Recovery (Federal Stimulus)
TSGP	Transit Security Grant Program (Federal Discretionary)
USDOTs	United States Department of Transportation's Research and Innovative Technology Admin
CMAQ/RSTP Conversion	Reimbursement of advanced federal funds which have been advanced with local funds in earlier years
<i>State Funding</i>	
ATP	Active Transportation Program (Statewide and Regional)
CMIA	Corridor Mobility Improvement Account (State Prop. 1B)
Coastal Conservancy	California Coastal Conservancy Fund
FSP	Freeway Service Patrol
GARVEE	Grant Anticipation Revenue Vehicles
LBSRA	Local Bridge Seismic Retrofit Account (State Prop. 1B)
Prop 1A - High Speed Rail	High Speed Passenger Train Bond Program (State Prop. 1A)
PTA	Public Transportation Account

Tuesday, September 20, 2016

Table 3-1
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

PTMISEA	Public Transportation Modernization, Improvement, and Service Enhancement Account (State Prop 1B)
SHOPP (AC)	State Highway Operation & Protection Program
SLPP	State Local Partnership Program (State Prop. 1B)
STA	State Transit Assistance
STIP-IIP	State Transportation Improvement Program - Interregional Program
STIP-RIP	State Transportation Improvement Program - Regional Improvement Program
TCIF	Trade Corridor Improvement Fund (State Prop. 1B)
TCRP	Traffic Congestion Relief Program
TSGP	Transit Security Grant Program (State Prop. 1B)
Local Funding	
Local Funds AC	Local Funds - Advanced Construction; mechanism to advance local funds to be reimbursed at a later fiscal year with federal/state funds
RTCIP	Regional Transportation Congestion Improvement Program
TDA	Transportation Development Act
TDA-B	Transportation Development Act-Bicycle & Pedestrian Facilities
<i>TransNet-ADA</i>	Prop. A Local Transportation Sales Tax - Transit
<i>TransNet-B</i>	Prop. A Local Transportation Sales Tax - Bike
<i>TransNet-Border</i>	Prop. A Extension Local Transportation Sales Tax - Border
<i>TransNet-BPNS</i>	Prop. A Extension Local Transportation Sales Tax - Bicycle, Pedestrian and Neighborhood Safety Program
<i>TransNet-CP</i>	Prop. A Local Transportation Sales Tax - Commercial Paper
<i>TransNet-H</i>	Prop. A Local Transportation Sales Tax - Highway
<i>TransNet-L</i>	Prop. A Local Transportation Sales Tax - Local Streets & Roads
<i>TransNet-L (Cash)</i>	TransNet - L funds which agencies have received payment, but have not spent
<i>TransNet-LSG</i>	Prop. A Extension Local Transportation Sales Tax - Local Smart Growth
<i>TransNet-LSI</i>	Prop. A Extension Local Transportation Sales Tax - Local System Improvements
<i>TransNet-LSI Carry Over</i>	TransNet - LSI funds previously programmed but not requested/paid in year of allocation
<i>TransNet-LSI (Cash)</i>	TransNet - LSI funds which agencies have received payment, but have not spent
<i>TransNet-MC</i>	Prop. A Extension Local Transportation Sales Tax - Major Corridors
<i>TransNet-MC AC</i>	TransNet - Major Corridors - Advanced Construction; mechanism to advance TransNet funds to be reimbursed at a later fiscal year with federal/state funds
<i>TransNet-REMP</i>	Prop. A Extension Local Transportation Sales Tax - Regional Environmental Mitigation Program
<i>TransNet-SGIP</i>	Prop. A Extension Local Transportation Sales Tax - Regional Smart Growth Incentive Program
<i>TransNet-SS</i>	Prop. A Extension Local Transportation Sales Tax - Senior Services
<i>TransNet-TSI</i>	Prop. A Extension Local Transportation Sales Tax- Transit System Improvements

Table 3-1b
Additional Lump Sum Listing for Local Agencies



Project Listing for EL11
2016 RTIP

FY16/17 & FY 17/18 SIDEWALK REPLACEMENT LOCATIONS	Sidewalk SF
S. Orange at alley S of Washington	150
Cuyamaca, east side, south of Friendship	150
349 Chambers	25
150 W. Renette (parkway tree)	300
150 W. Renette (on Orange, north of driveway)	125
136 Chambers, uplifted sidewalk panel	27.5
1280 Fletcher Pkwy. At Inlet	138
1053 Loma Portal	100
1196 Loma Portal	315
1210 Loma Portal	16
2311 Windmill View	75
2060 Renshaw Court	150
2091 Renshaw Court	20
Weld at Neislen, south side of Weld	25
1110 Petree	92
1511 Condor	150
Jackman between Arnele and Jackman	300
1389 Wagner Drive	500
Van Houten, at Post Office PL	55
440 S. Anza St.	153
Grossmont Ave	793
E. Renette Ave.	136
E. Renette Ave.	133
E. Renette Ave.	170
S. Marshall Ave.	590
Valley Lake Dr.	2011
Orange, south of Magnolia	150
West Renette	150
Condor Ave.	1511
<u>Petree Ave.</u>	<u>1110</u>
Total	9620.5

SB16/SB18 LIST OF STREETS

2016 Pavement Maintenance & Repair Project (FY 2016-17)

Overlays (2")				Trash Day
Street	From	To	Area (sf)	
Fresca Ct	entire street		14,000	Mon
Fresca St	entire street		26,600	Mon
La Barranca Drive	entire street		23,700	Thu
Lomas Santa Fe Dr	Cedros Avenue	Rios Avenue	25,000	N/A
Mar Vista	Lynwood	south end	12,700	Fri
Santa Rosita	Santa Florencia	Santa Carina	63,400	Wed
Santa Rufina Drive	Santa Alicia	San Patricio Dr	32,700	Wed
Sonrisa St	entire street		29,400	Mon
			227,500	

Inlays (3")				Trash Day
Street	From	To	Area (sf)	
Viva Court	entire street		21,700	Fri

Dig-Outs				
Localized pavement repairs will be made throughout the City. (Est. 15,000 sf)				

City of San Marcos
SM60: Annual Surface Seal Projects - 2017

Slurry Project Road List	
Mission Rd	Julie Ct
W. Linda Vista	Borden Cir
Pacific	Prado Verde
Las Posas Rd	Laguna Dr
Richmar	Monterey Cir
Pico	Hickory Rd
Palomarcos Ave	Maple Ave
Palmac St	Willow Dr
Silver Spur Way	Magnolia Ct
Pommel Way	Poplar Ave
Haller Pl	Chestnut Ave
Concha Ln	Cedar St
Saddhorn Dr	Barnett Dr
Curry Comb Dr	Hemphill Dr
Martingale Ln	Auburn Ave
Cima Dr	Gardner Way
Pippin Ct	Placer Ave
Starlight Ln	Joshua Ave
Quail Hill Dr	Comstock Ave
La Noche Dr	Winters Ct
Oriole Way	Foxhall Ct
Wren Way	Sonoma St
Sparrow Ct	Santa Barbara
Mockingbird Ln	Tiburon St
Bluejay Ln	Echo Ln
Pheasant Ct	Bougher
McMahr Rd	Wintergreen Pl
Canary Ct	Fairlane Ave
Red Hawk Way	Stonehedge Pl
Cardinal Ct	Indian Summer Pl
Partridge Ct	Indian Summer Rd
Goldfinch Way	Indian Summer Ct
Robin Ct	Hilcorte Dr
Gina	Lawndale Pl
Red Hill Ln	Chesterfield Cir
River Run Cir	Golf Glen Dr
Fulton	Kentfiled Dr
Lori Ct	Peach Way
Dorothea Ave	Elizabeth St
Catherine Ave	Carol Ct
Melinda Ave	Cynthia Ct

Chapter 4

Financial Capacity Analysis

Chapter 4

Financial Capacity Analysis

This chapter provides an analysis of the financial capacity of the region's transportation agencies to implement the programmed projects. Financial capacity is measured by a comparison of the total cost of the proposed projects against the assumed revenues and a test of the reasonableness of the revenue assumptions.

Separate analyses are provided for the state highway and local street and road projects, the transit program, and other transportation projects and programs. The assumptions used in the forecasts of available funding are based upon information provided in the 2016 State Transportation Improvement Program (STIP) Fund Estimate (FE) adopted by the California Transportation Commission (CTC), and other forecasts of ongoing transportation funding programs.

Inflation Assumptions

The projects programmed in the 2016 Regional Transportation Improvement Program (RTIP), covering FY 2016/17 to FY 2020/21 are expressed in future dollars. That is, they have been escalated based upon anticipated inflation and other factors to the expected year of obligation or expenditure. For the STIP and State Highway Operations and Protection Program (SHOPP), the revenues and program are based on the 2016 FE adopted by the CTC in January 2016. Based on the Department of Finance Budget Letter, the FE assumes a 2 percent annual escalation for State operations expenditures covering the period FY 2016/17 through FY 2020/21. In January 2016, the CTC approved revisions to the 2016 FE, which resulted in a reduction of approximately \$750 million to the 2016 STIP capacity.

For the major transportation projects funded with the County Transportation sales tax, *TransNet*, the San Diego Association of Governments (SANDAG) rate takes into account recent trends in a slow pace recovery economy and a competitive environment for construction projects. The rate used for FY 2016/17 starts at 3 percent annual escalation, with an increase of 4 percent over the next 4 years until FY 2020/21. The short-term growth rate was approved by the SANDAG Board of Directors (Board) at its February 2016 meeting.

Expenditures and Revenues Demonstration of Fiscal Constraint

Tables 4-1a to 4-1c provide a summary by major funding sources (i.e., federal, state, *TransNet*, and other local) for programs, expenditures, and balance of remaining revenues for the RTIP program period. The five-year project costs and programmed revenues are contained within the individual project listings in Chapter 3. Individual projects listed in Chapter 3 include phases where full funding is reasonably anticipated to be available within the time period contemplated for completion of the phase or project.

Table 4-1a: Revenues

San Diego Association of Governments 2016 Regional Transportation Improvement Program (in \$000s)

Funding Source		Prior	2016/2017	2017/2018	2018/2019	2019/2020	2020/2021	TOTAL
LOCAL	Sales Tax	\$2,403,899	\$724,586	\$595,872	\$484,217	\$375,108	\$507,620	\$5,091,303
	-- County	\$2,403,899	\$724,586	\$595,872	\$484,217	\$375,108	\$507,620	\$5,091,303
	Other Local Funds	\$952,348	\$129,103	\$130,529	\$173,569	\$211,067	\$145,510	\$1,742,126
	-- County General Funds							
	-- City General Funds	\$284,652	\$119,827	\$122,396	\$106,505	\$92,700	\$25,182	\$751,263
	-- Street Taxes and Developer Fees	\$667,696	\$9,276	\$8,133	\$67,063	\$118,367	\$120,328	\$990,863
	-- RSTP Exchange funds							
	Other	\$526,523	\$62,467	\$47,627	\$51,033	\$50,865	\$1,132	\$739,647
Local Total		\$3,882,769	\$916,157	\$774,028	\$708,820	\$637,040	\$654,262	\$7,573,076
STATE	State Highway Operations and Protection Program	\$33,819	\$148,953	\$100,143	\$67,214	\$76,791	\$2,593	\$426,920
	SHOPP (Including Augmentation)	\$33,819	\$148,953	\$100,143	\$67,214	\$76,791	\$2,593	\$426,920
	SHOPP Prior							
	State Minor Program							
	State Transportation Improvement Program	\$606,697	\$1,105	\$1,105	\$1,105		\$44,000	\$654,012
	STIP (Including Augmentation)	\$561,551	\$1,105	\$1,105	\$1,105		\$44,000	\$608,866
	Transportation Enhancement	\$3,390						\$3,390
	STIP Prior	\$41,756						\$41,756
	Transportation Enhancement							
	Proposition 1 A	\$99,698						\$99,698
	Proposition 1 B	\$709,641					\$1,342	\$710,983
	GARVEE Bonds (Includes Debt Service Payments)	\$197,000						\$197,000
	Highway Maintenance (HM)		\$1,951					\$1,951
	Traffic Congestion Relief Program (TCRP)	\$161,390		\$2,752		\$63,023		\$227,165
	State Transit Assistance (e.g., population/revenue based, Prop 42)	\$96,445	\$4,770	\$4,770	\$4,770	\$4,770		\$115,526
	Active Transportation Program	\$13,410	\$2,293	\$10,456	\$15,120			\$27,869
	Other	\$23,015	\$2,441	\$2,441	\$2,441	\$2,441	\$2,441	\$35,220
State Total		\$1,941,114	\$161,513	\$121,667	\$90,650	\$147,025	\$50,376	\$2,496,343
FEDERAL TRANSIT	5307 - Urbanized Area Formula Program	\$520,499	\$67,865	\$69,222	\$70,606	\$70,606		\$798,799
	5308 - Clean Fuel Formula Program	\$1,565						\$1,565
	5309a - Fixed Guideway Modernization	\$99,768						\$99,768
	5309b - New and Small Starts (Capital Investment Grants)	\$123,331	\$100,000	\$100,000	\$100,000	\$100,000	\$543,380	\$1,066,711
	5309c - Bus and Bus Related Grants	\$57,734						\$57,734
	5310 - Mobility of Seniors and Individuals with Disabilities	\$1,730						\$1,730
	5311 - Nonurbanized Area Formula Program	\$7,346	\$951	\$951	\$951	\$951		\$11,151
	5316 - Job Access and Reverse Commute Program	\$1,556						\$1,556
	5317 - New Freedom	\$2,748						\$2,748
	5337 - State of Good Repair	\$130,176	\$38,698	\$39,472	\$40,261	\$40,261		\$288,869
	5339 - Bus and Bus Facilities Program	\$13,466	\$5,129	\$5,232	\$5,336	\$5,337		\$34,500
	Other	\$93,839						\$93,839
Federal Transit Total		\$1,053,759	\$212,643	\$214,877	\$217,155	\$217,156	\$543,380	\$2,458,970
FEDERAL HIGHWAY	Congestion Mitigation and Air Quality (CMAQ)	\$330,291	\$32,294	\$27,721	\$33,531	\$34,223	\$34,223	\$492,282
	Coordinated Border Infrastructure (SAFETEA-LU Sec. 1303)	\$192,381						\$192,381
	Corridor Infrastructure Improvement Program (SAFETEA-LU Sec. 1302)							
	High Priority Projects (HPP) and Demo	\$113,740	\$8,277					\$122,017
	High Risk Rural Road (HRRR)							
	Highway Bridge Program (HBP)	\$62,260	\$18,689	\$7,129	\$8,025	\$27,053	\$230,115	\$353,272
	Highway Safety Improvement Program (HSIP)	\$930	\$5,551	\$3,357				\$9,837
	Safe Routes to School (SRTS) (SAFETEA-LU)							
	Surface Transportation Program (Regional)	\$426,900	\$39,921	\$41,522	\$43,072	\$44,862	\$44,862	\$641,140
	Other	\$249,052	\$1,463		\$9			\$250,524
Federal Highway Total		\$1,375,555	\$106,195	\$79,729	\$84,637	\$106,138	\$309,200	\$2,061,454
FRA	American Recovery and Reinvestment Act of 2009							
	Passenger Rail Investment and Improvement Act of 2008 (PRIIA)	\$26,479						\$26,479
	Other							
Federal Railroad Administration Total		\$26,479						\$26,479
Federal Total		\$2,455,793	\$318,838	\$294,606	\$301,792	\$323,293	\$852,580	\$4,546,903
INNOVATIVE	TIFIA (Transportation Infrastructure Finance and Innovation Act)						\$585,430	\$585,430
	Innovative Financing Total						\$585,430	\$585,430
REVENUES TOTAL		\$8,279,676	\$1,396,508	\$1,190,301	\$1,101,262	\$1,107,359	\$2,142,648	\$15,217,754

Table 4-1b: Program
San Diego Association of Governments 2016 Regional Transportation Improvement Program (in \$000s)

Funding Source		Prior	2016/2017	2017/2018	2018/2019	2019/2020	2020/2021	TOTAL
LOCAL	Local Total	\$3,882,769	\$889,672	\$747,009	\$695,161	\$597,553	\$2,100	\$6,814,264
STATE	State Highway Operations and Protection Program	\$33,819	\$148,953	\$100,143	\$67,214	\$76,791	\$2,593	\$429,513
	SHOPP (Including Augmentation)	\$33,819	\$148,953	\$100,143	\$67,214	\$76,791	\$2,593	\$429,513
	State Transportation Improvement Program	\$606,697	\$1,105	\$1,105	\$1,105		\$44,000	\$654,012
	STIP (Including Augmentation)	\$561,551	\$1,105	\$1,105	\$1,105		\$44,000	\$608,866
	Transportation Enhancement	\$3,390						\$3,390
	STIP Prior	\$41,756						\$41,756
	Proposition 1 A	\$99,698						\$99,698
	Proposition 1 B	\$709,641					\$1,342	\$710,983
	GARVEE Bonds (Includes Debt Service Payments)	\$197,000						\$197,000
	Highway Maintenance (HM)		\$1,951					\$1,951
	Traffic Congestion Relief Program (TCRP)	\$161,390		\$2,752		\$63,023		\$227,165
	State Transit Assistance (STA)(e.g., population/revenue based, Prop 42)	\$96,445	\$4,770	\$4,770	\$4,770	\$4,770		\$115,526
	Active Transportation Program	\$13,410	\$2,293	\$10,456	\$15,120			\$41,279
	Other	\$23,015	\$2,441	\$2,441	\$2,441	\$2,441	\$2,441	\$35,220
	State Total	\$1,941,114	\$161,513	\$121,667	\$90,650	\$147,025	\$50,376	\$2,512,346
FEDERAL TRANSIT	5307 - Urbanized Area Formula Program	\$520,499	\$67,028	\$68,369	\$69,736	\$69,736		\$795,369
	5308 - Clean Fuel Formula Program	\$1,565						\$1,565
	5309a - Fixed Guideway Modernization	\$99,768						\$99,768
	5309b - New and Small Starts (Capital Investment Grants)	\$123,331	\$100,000	\$100,000	\$100,000	\$100,000	\$543,380	\$1,066,711
	5309c - Bus and Bus Related Grants	\$57,734						\$57,734
	5310 - Elderly & Persons with Disabilities Formula Program	\$1,730						\$1,730
	5311 - Nonurbanized Area Formula Program	\$7,346	\$951	\$951	\$951	\$951		\$11,151
	5316 - Job Access and Reverse Commute Program	\$1,556						\$1,556
	5317 - New Freedom	\$2,748						\$2,748
	5337 - State of Good Repair	\$130,176	\$38,698	\$39,472	\$40,261	\$40,261		\$288,869
	5339 - Bus and Bus Facilities Program	\$13,466	\$5,129	\$5,232	\$5,336	\$5,337		\$34,500
	Other	\$93,839						\$93,839
	Federal Transit Total	\$1,053,759	\$211,806	\$214,024	\$216,285	\$216,285	\$543,380	\$2,455,540
FEDERAL HIGHWAY	Bridge Discretionary Program							
	Congestion Mitigation and Air Quality (CMAQ)	\$330,291	\$32,294	\$27,721	\$33,531	\$34,223	\$9,261	\$467,321
	Coordinated Border Infrastructure (SAFETEA-LU Sec.1303)	\$192,381						\$192,381
	Corridor Infrastructure Improvement Program (SAFETEA-LU Sec. 1302)							
	High Priority Projects (HPP) and Demo	\$113,740	\$8,277					\$122,017
	High Risk Rural Road (HRRR)							
	Highway Bridge Program (HBP)	\$62,260	\$18,689	\$7,129	\$8,025	\$27,053	\$230,115	\$353,272
	Highway Safety Improvement Program (HSIP)	\$930	\$5,551	\$3,357				\$9,837
	Surface Transportation Program (Regional)	\$426,900	\$39,921	\$21,522	\$38,111	\$24,961		\$551,415
	Other	\$249,052	\$1,463		\$9			\$250,524
	Federal Highway Total	\$1,375,555	\$106,195	\$59,729	\$79,676	\$86,237	\$239,377	\$1,946,768
FRA	American Recovery and Reinvestment Act of 2009 (ARRA)							
	Passenger Rail Investment and Improvement Act of 2008 (PRIIA)	\$26,479						\$26,479
	Other							
	Federal Railroad Administration Total	\$26,479						\$26,479
Federal Total		\$2,455,793	\$318,001	\$273,753	\$295,960	\$302,522	\$782,757	\$4,428,787
INNOVATIVE	TIFIA (Transportation Infrastructure Finance and Innovation Act)						\$585,430	\$585,430
	Innovative Financing Total						\$585,430	\$585,430
PROGRAM TOTAL		\$8,279,676	\$1,369,186	\$1,142,429	\$1,081,772	\$1,047,101	\$1,420,663	\$14,340,827

Table 4-1c: Revenues versus Program
San Diego Association of Governments 2016 Regional Transportation Improvement Program (in \$000s)

Funding Source		Prior	2016/2017	2017/2018	2018/2019	2019/2020	2020/2021	TOTAL
LOCAL	Local Total		\$26,485	\$27,019	\$13,659	\$39,487	\$652,162	\$758,811
STATE	State Highway Operations and Protection Program							
	SHOPP (Including Augmentation)							
	SHOPP Prior							
	State Minor Program							
	State Transportation Improvement Program							
	STIP (Including Augmentation)							
	Transportation Enhancement							
	STIP Prior							
	Proposition 1 A							
	Proposition 1 B							
	GARVEE Bonds (Includes Debt Service Payments)							
	Highway Maintenance (HM)							
	Traffic Congestion Relief Program (TCRP)							
	State Transit Assistance (STA)(e.g., population/revenue based, Prop 42)							
	Safe Routes to School (SR25)							
	State Emergency Repair Program							
	Other							
	State Total							
FEDERAL TRANSIT	5307 - Urbanized Area Formula Program		\$837	\$853	\$870	\$870		\$3,430
	5308 - Clean Fuel Formula Program							
	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							
	5316 - Job Access and Reverse Commute Program							
	5317 - New Freedom							
	5337 - State of Good Repair							
	5339 - Bus and Bus Facilities Program							
	Other							
	Federal Transit Total		\$837	\$853	\$870	\$870		\$3,430
FEDERAL HIGHWAY	Bridge Discretionary Program							
	Congestion Mitigation and Air Quality (CMAQ)						\$24,961	\$24,961
	Coordinated Border Infrastructure (SAFETEA-LU Sec.1303)							
	Corridor Infrastructure Improvement Program (SAFETEA-LU Sec. 1302)							
	High Priority Projects (HPP) and Demo							
	High Risk Rural Road (HRRR)							
	Highway Bridge Program (HBP)							
	Highway Safety Improvement Program (HSIP)							
	Recreational Trails							
	Safe Routes to School (SRTS) (SAFETEA-LU)							
	Surface Transportation Program (Regional)			\$20,000	\$4,962	\$19,901	\$44,862	\$89,724
	Other							
	Federal Highway Total			\$20,000	\$4,962	\$19,901	\$69,823	\$114,686
FRA	American Recovery and Reinvestment Act of 2009							
	Passenger Rail Investment and Improvement Act of 2008 (PRIIA)							
	Other							
	Federal Railroad Administration Total							
	Federal Total		\$837	\$20,853	\$5,832	\$20,771	\$69,823	\$118,116
INN OVA TIVE	TIFIA (Transportation Infrastructure Finance and Innovation Act)							
	Innovative Financing Total							
REVENUES - PROGRAM TOTAL			\$27,322	\$47,871	\$19,491	\$60,258	\$721,985	\$876,927

Financing

With the approval by the voters of San Diego County of the *TransNet* program, the SANDAG Board approved a set of projects for accelerated implementation referred to as the *TransNet* Early Action Program (EAP). Since the initial list of EAP projects were approved in January 2005, the Board has added other regionally significant projects in subsequent meetings, which total 11. To accomplish this, SANDAG annually updates the *TransNet* Plan of Finance (POF), the financial strategy for implementing the EAP, which includes major corridor projects identified in the *TransNet* Extension Ordinance and Expenditure Plan. The POF is the debt financing mechanism through which SANDAG plans to complete the EAP projects, providing much needed congestion relief.

SANDAG firmly believes that the continuation of major transportation projects would benefit the regional economic outlook by providing jobs, containing costs (by avoiding cost increases associated with project delays), and providing congestion relief, which saves travel time. With the use of such financial tools as the Transportation Infrastructure Finance and Innovation Act, the financial strategies outlined in the *TransNet* POF, and other innovative mechanisms, SANDAG, with endorsement from its Board, fully intends to continue to aggressively promote early completion of transportation projects.

Program Revenues

Federal Revenues

Federal funds programmed are based on the federal authorizing legislation; Fixing America's Surface Transportation (FAST) Act was signed into law by the President on December 4, 2015. The FAST Act, covering FY 2016/17 to FY 2019/20 is the first long-term federal transportation reauthorization since 2005 and makes slight modifications to existing formula funds. These federal funding programs include the following:

- **Congestion Mitigation Air Quality/Regional Surface Block Grant Program:** Both of these formula programs are estimated and apportioned by Caltrans for the San Diego region. By SANDAG Board policy, 90 percent of these programs are allocated to the *TransNet* EAP which seeks to advance regionally significant projects in order to provide increased mobility in the region.
- **Demonstration/High-Priority Projects:** The Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-LU) included several San Diego region projects under the High-Priority Project Authorizations program. Projects are currently funded with funds from the previous authorization; however, no new funds are included in the FAST Act. In March 2016, the FHWA released guidance regarding repurposing projects funded with these discretionary funds; new projects may be proposed for these funds contingent upon approval by the FHWA.
- **Federal Railroad Administration:** The FAST Act includes authorization for rail programs for the first time in the surface transportation bill which includes competitive discretionary grants and financing. The Federal Railroad Administration (FRA) revenues include The Passenger Rail Investment and Improvement Act of 2008 which focuses on intercity passenger rail with improvements on service, operations, and facilities. No new FRA funds are assumed at this time.

- **FTA Formula Enhanced Mobility of Seniors and Individuals with Disabilities (Section 5310):** This program provides formula funding to increase the mobility of seniors and persons with disabilities. At least 55 percent of program funds must be spent on the types of capital “traditional” projects eligible under Section 5310. The remaining 45 percent is for other “nontraditional” projects. Under Moving Ahead for Progress in the 21st Century (MAP-21) and continued through the FAST Act, the program was modified to include projects eligible under the former 5317 New Freedom program, described as: Capital and operating expenses for new public transportation services and alternatives beyond those required by the ADA, designed to assist individuals with disabilities and seniors.
- **FTA Rural Area Formula Grants (Section 5311) Program:** Section 5311 is administered by Caltrans and provides capital, planning, and operating assistance to support transit services in the non-urbanized areas of the region. Caltrans provides the estimates of revenues for the formula program and announces the award under the discretionary program on an annual basis.
- **FTA State of Good Repair (Section 5337) Program:** Section 5337 is a formula program created by MAP-21 and continues through the FAST Act to replace Section 5309 Fixed Guideway. Eligible uses of the funds include replacement and rehabilitation of fixed Guideway assets including railcars, ferry vessels, buses operating in high occupancy vehicle lanes and related infrastructure.
- **FTA Bus and Bus Facilities (Section 5339) Program:** Section 5339 is a formula program created in MAP-21 and continued through the FAST Act that replaces the discretionary Section 5309 Bus and Bus Facilities program. Eligible uses of these funds include bus and bus facility replacement, rehabilitation, expansion and enhancement projects. These funds are distributed through formula based on urbanized areas by FTA based population, vehicle revenue miles and passenger miles as well as competitive grants.
- **Highway Bridge Program/High Risk Rural Roads/Highway Safety Improvement Program:** These programs are administered by Caltrans at the statewide level. All funding is provided by Caltrans and programmed as a lump sum.

State Revenues

The state highway projects programmed are based on the 2016 STIP adopted at the May 2016 CTC meeting.

- **Active Transportation Program:** This was a new program under MAP-21 and continued under the FAST Act through a set-aside from the Regional Surface Block Grant Program. This program is to provide for a variety of alternative transportation projects, including many that were previously eligible activities under separately funded programs. The Active Transportation Program (ATP) consolidates existing federal and state transportation programs, including the Transportation Alternatives Program, Bicycle Transportation Account, and Safe Routes to School Program, into a single program. ATP funds are administered by the CTC, and the designated Metropolitan Planning Organization, and projects are selected through a competitive process.

- **California Air Resources Board's Cap-and-Trade Program:** Funding from this program will go toward direct investments in transit programs that reduce Greenhouse Gas emissions and benefit disadvantaged communities throughout California. Under this program, the region has received \$11 million for the South Bay Bus *Rapid* Transit project. The region is currently in the process of requesting additional funds from the various programs included in this program.
- **Freeway Service Patrol:** Funds are provided through the state legislature. The Freeway Service Patrol (FSP) program costs and revenue estimates have been developed jointly by SANDAG, Caltrans, and the California Highway Patrol based upon the most current statewide FSP Act funding levels.
- **Proposition 1A:** The Safe, Reliable High-Speed Passenger Train Bond Act for the 21st Century approved by the voters as Proposition 1A on November 4, 2008, authorizes the CTC upon appropriation by the Legislature to allocate funds for capital improvement to intercity rail, commuter rail, and urban rail systems. For the San Diego region, \$41.8 million were awarded to North County Transit District (NCTD) and \$57.8 million to SANDAG with the majority of these projects already completed, or will be complete during the 2016 RTIP cycle.
- **Proposition 1B:** The CTC is the responsible agency for administering the transportation component of the Highway Safety, Traffic Reduction, Air Quality, and Port Security Bond Act of 2006, approved by the voters as Proposition 1B on November 7, 2006. CTC has approved or allocated funding for various programs including STIP/SHOPP Augmentation, Public Transportation Modernization, Improvement and Service Enhancement, Corridor Mobility Improvement Account, State-Local Partnership Program, and the Trade Corridor Improvement Fund. The funding received under these programs is included in the RTIP. Since the passage of Proposition 1B, approximately \$1.8 billion has been identified for the SANDAG region from the various bond programs, although no new funding is expected.
- **STIP and SHOPP:** The CTC programs the STIP and SHOPP on a statewide basis. The San Diego projects are programmed in the RTIP based upon approved 2016 STIP and 2016 SHOPP.

Local Revenues

The *TransNet* Ordinance specifies several sub-programs that augment the major transportation projects in the region including Major Corridors, Bicycle/Pedestrian, and local Transit programs, and an innovative program for early mitigation for projects – Environmental Mitigation Program – the first in the state to purchase Right-of-Way (ROW) early in order to reduce the cost of projects in the future while preserving the ecology of the region.

- ***TransNet* Local Transportation Sales Tax Program:** *TransNet* revenues are estimated based upon taxable retail sales forecasts derived from SANDAG's short-term forecasting model. The *TransNet* Ordinance specifies several sub-programs that augment the major transportation projects in the region including Major Corridors, Bicycle/Pedestrian, and Transit programs, and an innovative program for early mitigation for projects – Environmental Mitigation Program – the first in the state to purchase ROW early in order to reduce the cost of projects in the future while preserving the ecology of the region.

- **Local Agency Funding:** The local agency revenues programmed are based on reasonably expected revenues as submitted by local agencies. Some local funding may include city and county local gas tax subventions, developer fees, local public funds, Proposition 42 funds and developer funds and are administered by local agencies.
- **Local Privatization/Toll Revenues:** There are two local privatization/toll revenue funded projects in the 2016 RTIP: State Route 241 Foothill Corridor and State Route 11 toll roads.
- **State Transit Assistance:** The State Transit Assistance (STA) budget provides funding for allocation to local transit agencies to fund a portion of the operations and capital costs associated with local mass transportation programs. Pursuant to ABx8-6 (March 2010), STA allocations are based on sales tax generated from consumption of diesel fuel. The State Controller's office is responsible for providing the estimates in January of each year.
- **Transportation Development Act:** Although this is a state program, the Transportation Development Act (TDA) is administered locally. Funds are based on a one-fourth percent state sales tax, with revenues made available primarily for transit operating and capital purposes. The San Diego County Auditor's office estimates the apportionment for the upcoming fiscal year. SANDAG prepares forecasts of TDA based on a forecast of sales tax revenues estimated for the San Diego County using SANDAG's short-term forecasting model, which takes into consideration numerous variables, including population growth, jobs, inflation, and real income growth.

Other Transportation Program Revenues

- **Other Funds:** These funds include contributions from various state funding sources, local agency contributions, private sector funding, advertising income, investment earnings, passenger fare revenue, and other miscellaneous income. Revenues from these sources are generally consistent with established historical trends or are based upon funding commitments from local agencies.
- **Financing:** SANDAG Board issues long-term debt backed by *TransNet* in order to complete major transportation projects early.

TransNet Revenue Estimates

The *TransNet* Ordinance and Expenditure Plan describe the process for allocating the sales tax program revenues to specified agencies and for selecting which major projects will be eligible to receive sales tax funding. Table 4-2 shows the current forecast of *TransNet* sales tax revenues from FY 2016/17 to FY 2020/21.

The *TransNet* revenues programmed reflect the latest estimate of sales tax revenues based upon SANDAG's short-term forecast model. The programming of *TransNet* funds is typically less than the *TransNet* receipts, since a portion of the annual receipts is committed to bond debt service. Debt service information is provided as part of the annual Cash Flow Update sent to each agency at the beginning of the fiscal year.

Table 4-2: TransNet Revenue Forecast
FY 2016/17-2020/21 RTIP – San Diego Region (in \$000s of future dollars)

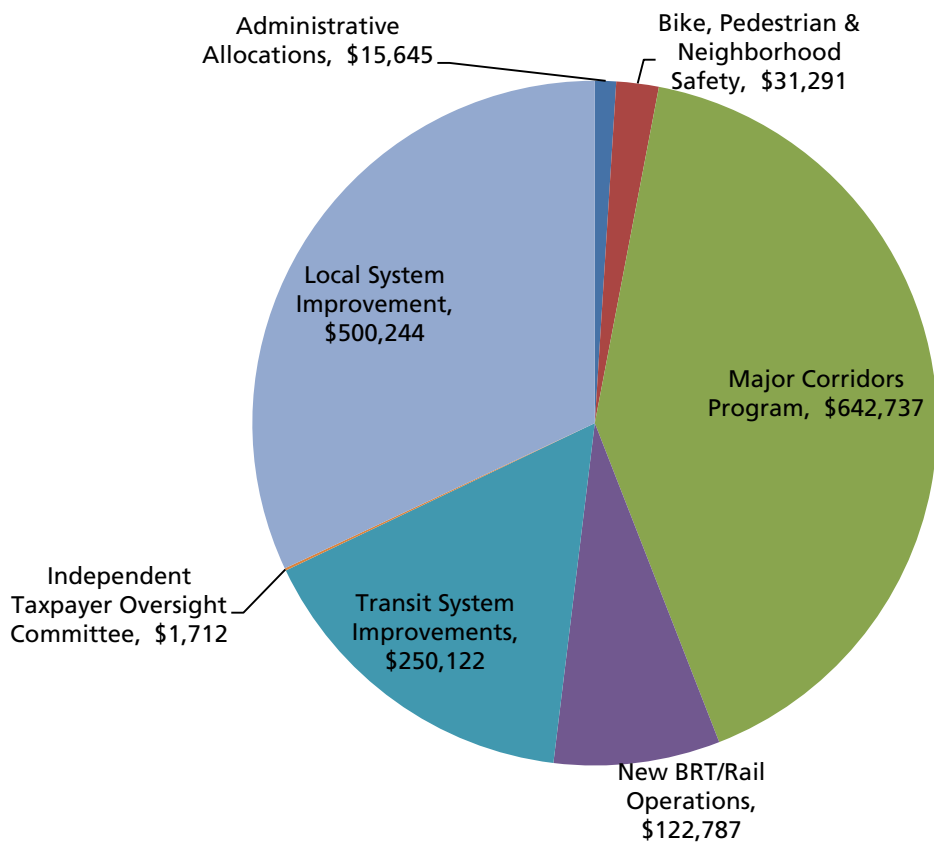
	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
Estimated Revenue ⁽¹⁾	\$287,989	\$299,883	\$312,298	\$325,352	\$339,017	\$1,564,538
Administration ⁽²⁾	\$2,880	\$2,999	\$3,123	\$3,254	\$3,390	\$15,645
Independent Taxpayer Oversight Committee	\$0	\$412	\$422	\$433	\$444	\$1,712
Bicycle Projects	\$5,760	\$5,998	\$6,246	\$6,507	\$6,780	\$31,291
Major Corridors	\$118,444	\$123,161	\$128,263	\$133,627	\$139,243	\$642,737
New Rapid/Rail Operations	\$22,627	\$23,528	\$24,503	\$25,528	\$26,601	\$122,787
Transit System Improvements	\$46,093	\$47,928	\$49,914	\$52,001	\$54,186	\$250,122
Local Streets Improvements	\$92,185	\$95,856	\$99,827	\$104,002	\$108,373	\$500,244
Total Program Allocations	\$279,349	\$290,474	\$302,506	\$315,158	\$328,402	\$1,515,890

(1) one-half percent sales tax

(2) 1 percent maximum

Note: Revenue estimates are based upon FY 2017 TransNet budget and current SANDAG short term forecasting model.

Figure 4-1: Total TransNet Revenue Forecast
Breakdown FY 2016/17-2020/21 RTIP – San Diego Region (in \$000 of future dollars)



Operations and Maintenance Costs

Although the RTIP is a program document that includes major transportation capital projects, 23 CFR 450.21(m) and 23 CFR 450.322(f)(10)(i) require that the RTIP financial chapter illustrates the costs and revenue sources to adequately operate and maintain highway, transit, and other federally funded public transportation systems projects.

Transit Operating Costs

Two transit districts provide transit service in San Diego County – the NCTD and the San Diego Metropolitan Transit System (MTS). NCTD services 1,020 square miles located in the northern portion of the county and provides commuter rail, light rail, fixed-route, general purpose demand response, and Americans with Disabilities Act (ADA) paratransit services. For FY 2016/17, NCTD estimates providing 8.2 million revenue service miles carrying 12.8 million passengers. MTS provides transit service in the remaining areas of the county. In addition to providing fixed-route and ADA paratransit services, MTS also operates the San Diego Trolley light rail system. The MTS estimates carrying approximately 96.7 million passengers over 32.1 million annual service miles in FY 2016/17. Both NCTD and MTS provide these services on a coordinated basis.

Table 4-3 shows the projected ongoing operating costs as developed by the two transit districts for the next five years. The current five-year forecast for NCTD shows a balanced budget for FY 2016/17 with surpluses in the out years beginning with FY 2017/18. This turnaround is a direct result of proactive cost savings measures that were implemented by the NCTD Board of Directors and the increase in ridership over the past fiscal year, which is anticipated to continue. The total five-year forecast for NCTD shows approximately \$5.5 million surplus.

With reduced revenues and increases in cost, MTS is struggling to meet the needs of the transit dependent and provide mobility alternatives for the choice rider. MTS has implemented various cost-saving measures including additional contracting out to private firms, increasing fares, and reduced services, among others. MTS is being slightly more conservative in their revenue projections than SANDAG, keeping their increases around 2 percent and is undergoing labor negotiations and various revenue enhancements. It is anticipated that MTS will balance the operating budget on an annual basis for the upcoming fiscal year. The current forecast for MTS shows a deficit of approximately \$35.1 million over the next five years.

Table 4-3: Transit Operating Costs and Revenues Forecast (in \$000s)

	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
NCTD						
Revenues	\$102,018	\$106,719	\$107,228	\$114,261	\$110,848	\$541,074
Less Expenses	\$102,018	\$105,790	\$107,228	\$109,671	\$110,848	\$535,555
Projected Deficit/Surplus	\$0	\$929	\$0	\$4,590	\$0	\$5,519
MTS						
Revenues	\$276,149	\$280,375	\$285,221	\$291,077	\$297,568	\$1,430,390
Less Expenses	\$276,149	\$282,051	\$291,331	\$301,680	\$314,328	\$1,465,539
Projected Deficit/Surplus	\$0	(\$1,676)	(\$6,110)	(\$10,603)	(\$16,760)	(\$35,149)

Source: June 17, 2016, Transportation Committee Meeting (Draft FY 2017 Transit Agency Operating Budgets)

Preventive Maintenance

Preventive maintenance projects are those projects which focus on maintenance of equipment, rolling stock, and facilities for bus and rail systems. Timely preventive maintenance activities are necessary to ensure proper performance of the transportation infrastructure and enhance safety and accessibility. MTS and NCTD have programmed a total of \$297.6 million for FY 2016/17 – FY 2019/20. MTS32A and NCTD02 are those projects, which are programmed with \$230 million and \$67.6 million, respectively.

Highway Costs

Caltrans is responsible for the operations, maintenance, and rehabilitation of state highways in the San Diego region. Excluding capital projects, over the next five years, Caltrans estimates approximately \$62 million for operations and administrative costs and \$356 million for maintenance costs. The highway costs are based upon anticipated revenues the state has deemed available; therefore, costs equal revenues.

Local Street and Road Costs

There are three federally funded local street and road projects in the 2016 RTIP. It is anticipated that the maintenance cost associated with these projects will be absorbed into the agencies' annual maintenance budget funded from local sources.

Chapter 5

Air Quality Conformity Analysis

Chapter 5

Air Quality Conformity Analysis

On April 15, 2004, the United States Environmental Protection Agency (U.S. EPA) designated the San Diego air basin as nonattainment for the 1997 Eight-Hour Ozone Standard. This designation took effect on June 15, 2004. However, several areas that are tribal lands in eastern San Diego County were excluded from the nonattainment designation.

In cooperation with the San Diego County Air Pollution Control District (APCD) and the San Diego Association of Governments (SANDAG), the California Air Resources Board (CARB) developed an Eight-Hour Ozone Attainment Plan for the 1997 standard which was submitted to the U.S. EPA on June 15, 2007. The budgets in the *Eight-Hour Ozone Attainment Plan for San Diego County* were found adequate for transportation conformity purposes by the U.S. EPA, effective June 9, 2008.

The air basin was initially classified as a basic nonattainment area under Subpart 1 of the Clean Air Act (CAA) and the maximum statutory attainment date for the Eight-Hour Ozone Standard was set as June 15, 2009. In cooperation with SANDAG, the San Diego County APCD developed an Eight-Hour Ozone Attainment Plan for the 1997 standard, which was submitted to the U.S. EPA on June 15, 2007. The budgets in the Eight-Hour Ozone Attainment Plan for San Diego County were found adequate for transportation conformity purposes by the U.S. EPA, effective June 9, 2008.

However, on April 27, 2012, in response to a Court decision, the U.S. EPA ruled that the San Diego basic nonattainment area be reclassified as a Subpart 2 moderate nonattainment area, with an attainment deadline of June 15, 2010. This reclassification became effective on June 13, 2012. Air quality data for 2009, 2010, and 2011 demonstrated that the San Diego air basin attained the 1997 ozone standard; APCD prepared a Maintenance Plan, with a request for redesignation to attainment/maintenance. On December 6, 2012, CARB approved the *Redesignation Request and Maintenance Plan for the 1997 National Ozone Standard for San Diego County* for submittal to the U.S. EPA as a State Implementation Plan (SIP) revision. Effective July 5, 2013, the U.S. EPA approved California's request to redesignate the San Diego County ozone nonattainment area to attainment for the 1997 Eight-Hour Ozone National Ambient Air Quality Standards (NAAQS) and their plan for continuing to attain the 1997 ozone standard for ten years beyond redesignation.

On May 21, 2012, the U.S. EPA designated the San Diego air basin as a nonattainment area for the new 2008 Eight-Hour Ozone standard and classified it as a marginal area with an attainment date of December 31, 2015. This designation became effective on July 20, 2012. SANDAG redetermined conformity to the new standard on May 24, 2013, using the applicable model approved by the U.S. EPA to forecast regional emissions (EMFAC2011). The United States Department of Transportation (U.S. DOT), in consultation with the U.S. EPA, made its conformity determination on June 28, 2013. The U.S. EPA final rule also provides for the revocation of the 1997 Eight-Hour Ozone NAAQS for transportation conformity purposes effective July 20, 2013. In a D.C. Circuit Court decision on December 23, 2014 (NRDC v. EPA, No. 12-1321) it was determined that the attainment date for marginal areas would be set for July 20, 2015.

Effective June 3, 2016, the U.S. EPA determined that 11 areas, including the San Diego air basin, failed to attain the 2008 ozone NAAQS by the applicable attainment date of July 20, 2015, and thus are reclassified by operation of law as “Moderate” for the 2008 ozone NAAQS. States containing any or any portion of these new Moderate areas must submit SIP revisions that meet the statutory and regulatory requirements that apply to 2008 ozone nonattainment areas classified as Moderate by January 1, 2017. The San Diego Air Pollution Control District will be submitting a SIP revision addressing Moderate area requirements to the Air Resources Board (ARB), who will submit the document to the U.S. EPA.

The San Diego region also has been designated by the U.S. EPA as a federal maintenance area for the Carbon Monoxide (CO) standard. On November 8, 2004, CARB submitted the 2004 revision to the California SIP for CO to the U.S. EPA. Effective January 30, 2006, the U.S. EPA has approved this maintenance plan as a SIP revision.

On September 26, 2014, the SANDAG Board of Directors (Board) adopted the final 2014 Regional Transportation Improvement Program (RTIP) and its conformity determination and re-determination of conformity for the 2050 Regional Transportation Plan (RTP). The U.S. DOT, in consultation with the U.S. EPA, made its conformity determination on December 15, 2014.

On October 9, 2015, the SANDAG Board made a finding of conformity for San Diego Forward: The Regional Plan and adopted the plan. On October 16, 2015, the SANDAG Board ratified the 2014 RTIP Amendment No. 7 and its conformity analysis. The U.S. DOT, in consultation with the U.S. EPA, made its conformity determination for the Regional Plan and the 2014 RTIP through Amendment No. 8 on December 2, 2015.

Demonstration of Fiscal Constraint

The 2016 RTIP is consistent with the Regional Plan. As a financially constrained document, the 2016 RTIP contains only those major transportation projects listed in the Revenue Constrained Regional Plan. Chapter 4 of the 2016 RTIP includes detailed discussion on fiscal constraint and overall financial capacity to carry out projects included in the RTIP.

Development of Transportation Control Measures

In 1982, SANDAG adopted four Transportation Tactics as elements of the 1982 Revised Regional Air Quality Strategy (RAQS). These Transportation Tactics are: (1) ridesharing; (2) transit improvements; (3) traffic flow improvements; and (4) bicycle facilities and programs.

These four Transportation Tactics were subsequently approved by the San Diego Air Pollution Control Board and are included in the 1982 SIP for Air Quality as Transportation Control Measures (TCMs). The U.S. EPA approved this SIP revision for the San Diego Air Basin in 1983. The four TCMs have been fully implemented. Ridesharing, transit, bicycling, and traffic-flow improvements continue to be funded, although the level of implementation established in the SIP has been surpassed.

The California CAA required the preparation of a 1991 RAQS, including TCMs. During 1991 and 1992, SANDAG, in cooperation with local agencies, transit agencies, and the APCD developed a TCM Plan. SANDAG approved the TCM Plan on March 27, 1992.

On June 30, 1992, the APCD amended the TCM Plan and adopted the 1991 RAQS, including the amended TCM Plan. TCMs included in the 1991 RAQS include the four Transportation Tactics described above, as well as a Transportation Demand Management (TDM) program, vanpools, high occupancy vehicle lanes, and park-and-ride facilities. On November 12, 1992, CARB gave approval to the 1991 RAQS, including the TCMs.

The 1995 Triennial RAQS Update subsequently deleted the Employee Commute Travel Reduction Program contained in the TDM program because the program was no longer required under federal law. Assembly Bill 3048 (Statutes of 1996, Chapter 777) eliminated all state requirements for mandatory trip reduction programs. As a result, the Student Travel Reduction Program, the Non-Commute Travel Reduction Program, and the Goods Movement/Truck Operation Program proposed in the 1991 RAQS were no longer statutorily mandated and were deleted from the RAQS in 1998. The 2001, 2004, and 2009 Triennial RAQS Revisions did not make changes to measures related to mobile sources or the TCM Plan.

Air Quality Conformity Requirements

SANDAG, as the Metropolitan Planning Organization, and the U.S. DOT must make a determination that the 2016 RTIP and the Regional Plan conform to the applicable SIP. Conformity to the SIP means that transportation activities will not create new air quality violations, worsen existing violations, or delay the attainment of the NAAQS.

Based upon the U.S. EPA's Transportation Conformity Rule, as amended, conformity of transportation plans and programs, including the 2016 RTIP is determined according to the 1990 Clean Air Act Amendments (CAAA) [Section 176(c)(3)(A)] if the following is demonstrated:

- The 2016 RTIP provides for the timely implementation of the Transportation Tactics contained in the 1991 RAQS. These tactics also are included as TCMs in the 1982 SIP.
- A quantitative analysis is conducted on the cumulative emissions of projects programmed within the 2016 RTIP, including all regionally significant, capacity-increasing projects. Further, implementation of the projects and programs must meet the motor vehicle emissions budget developed by local and state air quality agencies and approved by the U.S. EPA. The 2016 RTIP must meet the applicable emission budgets prescribed in the *Eight Hour Ozone Attainment Plan for San Diego County* which were found adequate for transportation conformity purposes on June 9, 2008, and in the *Redesignation Request and Maintenance Plan for the 1997 National Ozone Standard for San Diego County*, which were found adequate for transportation conformity purposes by the U.S. EPA, effective April 4, 2013. Also, the 2016 RTIP must meet the CO emissions budget established in the CO Maintenance Plan (approved by the U.S. EPA in January 2006).
- In addition to the required emissions tests, consultation with transportation and air quality agencies is required. The consultation process followed to prepare the air quality conformity analysis complies with the San Diego Transportation Conformity Procedures adopted in July 1998.
- Interagency consultation involves SANDAG, APCD, Caltrans, CARB, U.S. DOT, and the U.S. EPA, which form the San Diego Region Conformity Working Group (CWG).

Consultation is a three-tier process that:

1. Formulates and reviews drafts through a conformity working group.
2. Provides local agencies and the public with opportunities for input through existing regional advisory committees and workshops.
3. Seeks comments from affected federal and state agencies through participation in the development of draft documents and circulation of supporting materials prior to formal adoption.

SANDAG consulted with the CWG for the preparation of the new air quality analysis of the 2016 RTIP. Conformity of the San Diego Regional Plan also is being redetermined for consistency purposes. On December 30, 2015, the U.S. EPA approved a new model to forecast regional emissions (EMFAC2014) for conformity purposes; this model was used to conduct this conformity analysis.

The schedule for the development of the 2016 RTIP was presented to the CWG on January 6, 2016, and criteria and procedures for determining conformity were presented to the CWG on March 2, 2016. In addition, the draft list of Capacity Increasing (CI) and non-CI projects was discussed at the April 6, 2016, CWG meeting.

The quantitative emissions analyses for the 2016 RTIP conformity determination and Regional Plan redetermination were initiated in April 2016, and the results distributed on May 13, 2016, to the CWG for an initial review and comment period. The CWG reviewed the draft air quality conformity analysis at its June 1, 2016, meeting and had no comments. The draft 2016 RTIP, and its conformity analysis and the Regional Plan conformity redetermination were released for public review and comment on July 22, 2016. The results of the regional emissions analysis indicate that the 2016 RTIP and Regional Plan meet the air quality conformity requirements.

The SANDAG Board made a conformity finding for the 2016 RTIP and redetermination of conformity for the Regional Plan, and adopted the final 2016 RTIP at its September 23, 2016, meeting. The following sections provide a summary of the air quality conformity analysis of the 2016 RTIP and Regional Plan in relation to the above conformity requirements.

The first requirement of the air quality conformity finding is to provide for the expeditious implementation of adopted TCMs, which are also the Transportation Tactics included in the 1991 RAQS. These tactics are ridesharing, transit improvements, traffic flow improvements, and bicycle facilities and programs.

The 1982 SIP established the TCMs, which identified general objectives and implementing actions for each tactic. Due to substantial investments since 1982, SANDAG has fully implemented the TCMs. Ridesharing, transit, bicycling, and traffic flow improvements continue to be funded, although the level of implementation established in the SIP has been surpassed. No TCMs have been removed or substituted from the SIP.

The 2016 RTIP programs substantial funds for the implementation of the four TCMs (identified as Transportation Tactics) in the 1982 SIP and 2009 RAQS and have been fully implemented. The Transportation Tactics programmed for implementation are provided in Table 5-1 with approximately \$7.2 billion, or 50 percent of the total funds programmed. Included are \$49 million for Ridesharing, \$6.7 billion for Transit

Improvements, \$269 million for Bicycle Facilities and Programs, and \$135 million for Traffic Flow Improvements. Based upon this analysis, the 2016 RTIP provides for the expeditious implementation of the existing TCMs in the 1982 SIP and 2009 RAQS, which remain the federally approved TCMs for the San Diego region.

Table 5-1: 2016 RTIP – San Diego Region (in \$000s) Transportation Tactics

TRANSPORTATION TACTIC	AMOUNT
RIDESHARING	
Transportation Demand Management	<u>\$49,055</u>
<i>Subtotal Ridesharing:</i>	<i>\$49,055</i>
TRANSIT IMPROVEMENTS	
Mid-Coast	\$2,171,201
Ops/Maint – Transit	\$3,261,732
Major Transit - LOSSAN Corridor	\$540,593
Bus Rapid Transit (<i>Rapid</i>)	<u>\$774,211</u>
<i>Subtotal Transit Improvements:</i>	<i>\$6,747,737</i>
BICYCLE FACILITIES	
Bicycle/Pedestrian Projects	<u>\$269,377</u>
<i>Subtotal Bicycle Facilities:</i>	<i>\$269,377</i>
TRAFFIC FLOW IMPROVEMENTS	
Transportation Management System/Intelligent Transportation System	<u>\$135,718</u>
<i>Subtotal Traffic Flow Improvements:</i>	<i>\$135,718</i>
Total Transportation Tactics in 2016 RTIP: \$7,201,887	
Total All Transportation Projects in 2016 RTIP: \$14,340,827	
Share of T-Tactics Projects in 2016 RTIP: 50%	

Quantitative Emissions Analysis

The second requirement of the conformity finding is to conduct a quantitative emissions analysis for the 2016 RTIP. The emissions analysis must show that implementation of the 2016 RTIP, and Regional Plan meet the emissions budgets established in the 2004 CO Maintenance Plan and in the *Eight Hour Ozone Attainment Plan for San Diego County*, and the *Redesignation Request and Maintenance Plan for the 1997 National Ozone Standard for San Diego County*.

A quantitative emissions analysis was conducted according to the requirements established in the Transportation Conformity Rule under Section 93.122(b). Motor vehicle emissions forecasts were produced for the following analysis years: 2016, 2018 (interpolated for CO), 2020 (interpolated for Reactive Organic Gas [ROG] and Nitrogen Oxide [NOx]), 2025, 2035, 2040, and 2050. SANDAG's regional growth forecasts

and transportation models, as well as CARB emissions model, were used to generate the emissions forecasts. Transportation forecasts were developed using SANDAG's activity based model (ABM). The ABM simulates individual and household transportation decisions that comprise their daily travel itinerary. It predicts whether, where, when, and how people travel outside their home for activities such as work, school, shopping, healthcare, and recreation. ABM outputs are used as inputs for regional emissions forecasts.

The emissions analysis was conducted using the latest Emissions FACTors 2014 v.1.0.7 (EMFAC2014) model.

The 2016 RTIP and Regional Plan air quality conformity analysis was conducted for the years 2016-2050.

All of the capacity-increasing improvements identified in the 2016 RTIP that are on the Regional Arterial System (as defined in the RTP) or the Federal Highway Administration functional classification system (other principal arterials and higher classifications) were modeled.

Emissions Budget Analysis

Table 5-2 provides a summary of the results of the quantitative emissions analysis conducted for the 2016 RTIP and Regional Plan using budgets from the *Redesignation Request and Maintenance Plan for the 1997 National Ozone Standard for San Diego County*. Table 5-3 demonstrates that the 2016 RTIP and the Regional Plan meet the budgets for the 2008 Eight-Hour Ozone Standard. Projected ROG and NOx emissions for 2016, 2020, 2025, 2035, 2040, and 2050 are below the established SIP budgets.

Table 5-3 shows that projected CO emissions from the 2016 RTIP and the Regional Plan are below the 2003 CO budget of 730 tons per day.

**Table 5-2: 2016 RTIP and the Revenue Constrained Regional Plan
Air Quality Conformity Analysis for 2008 Eight-Hour Ozone Standard**

Year	Average Weekday Vehicle Starts (1,000s)	Average Weekday Vehicle Miles (1,000s)	ROG		NOx	
			SIP Emissions Budget Tons/Day	ROG Emissions Tons/Day	SIP Emissions Budget Tons/Day	NOx Emissions Tons/Day
2016	14,155	79,573	53	23	98	35
2020	15,347	84,017	23	20	38	28
2025	16,836	89,571	21	14	30	16
2035	19,239	94,331	21	11	30	11
2040	20,232	96,707	21	10	30	10
2050	21,483	99,513	21	9	30	10

Note: Emissions budgets from the *Eight-Hour Ozone Attainment Plan for San Diego County*, which were found adequate for transportation conformity purposes by the U.S. EPA effective June 9, 2008, are used for the 2016 analysis year. Emissions budgets are from the *Redesignation Request and Maintenance Plan for the 1997 National Ozone Standard for San Diego County*, which were found adequate for transportation conformity purposes by the U.S. EPA, effective April 4, 2013, are used for all other years.

**Table 5-3: 2016 RTIP and the Revenue Constrained Regional Plan
Air Quality Conformity Analysis for Carbon Monoxide Standard**

Year	Average Weekday Vehicle Starts (1,000s)	Average Weekday Vehicle Miles (1,000s)	CO	
			SIP Emissions Budget Tons/Day	CO Emissions Tons/Day
2016	14,155	79,573	730	179
2018	14,751	81,795	730	161
2025	16,836	89,571	730	98
2035	19,239	94,331	730	74
2040	20,232	96,707	730	70
2050	21,483	99,513	730	69

Note: Emissions budgets for the San Diego region from 2004 Revision to California State Implementation Plan for Carbon Monoxide, Updated Maintenance Plan for Ten Federal Planning Areas (Approved as SIP revision in January 2006).

Conclusion

Based upon an evaluation of projects and funds programmed and a quantitative emissions analysis, the 2016 RTIP and Regional Plan meet the U.S. EPA transportation conformity regulations contained within the federal guidelines published on August 15, 1997, and subsequent amendments, as well as the requirements of the federal CAAA of 1990.

APPENDICES

Appendix A-1

Grouped Projects Detailed Project Listing

2014/15-2019/20 Highway Bridge Program

See the appropriate FTIP/FSTIP for current funding commitments. This listing provides the backup project information to support the lump sum amounts programmed in the FTIP.

3/29/2016, 10:24 AM

- Notes: 1) This is the FTIP lump sum “backup” list for HBP funded projects. Please see the Local Assistance web site for the most current listings:
- http://www.dot.ca.gov/hq/LocalPrograms/hbrr99/HBP_FSTIP.html
- 2) The purpose of this list is to show which projects being advanced by local agencies have met the eligibility requirements of the federal Highway Bridge Program and have been prioritized for funding by the Department in cooperation with local agencies for funding.
- 3) Contractual funding levels are determined at time of federal authorization/obligation for given phase of work. For details see Chapter 3 of the Local Assistance Procedures Manual.
- 4) For FTIP/FSTIP purposes, Federal Highway Bridge Program (HBP) funding constraint is managed by Caltrans.
- 5) Prop 1B bond funds for the Local Seismic Safety Retrofit Program (LSSRP) used for matching federal funds are also managed by Caltrans.
- 6) Financial constraint of LOCAL matching funds (including regional STIP funds) and LOCAL Advance Construction (AC) is the responsibility of the MPOs and their local agencies.
- 7) Some projects show that they are programmed using State STP funds. These funds are HBP funds transferred to the STP for bridge work that is not ordinarily eligible for HBP funds. See the HB Program Guidelines for details. Do not confuse these STP funds with Regional STP funds.
- 8) Corrections to this report should be addressed to the District Local Assistance Engineer:
- <http://www.dot.ca.gov/hq/LocalPrograms/dlae.htm>

Note id: 24

2014/15-2019/20 Highway Bridge Program

See the appropriate FTIP/FSTIP for current funding commitments. This listing provides the backup project information to support the lump sum amounts programmed in the FTIP.

District: 11 County: San Diego

Responsible Agency HBP-ID Project Description

Carlsbad 1007 BRIDGE NO. 57C0307, CARLSBAD BLVD, OVER ENCINA DISCHARGE CH, 0.5 MI N CANNON RD. Upgrade bridge railings. (STP)

Phase Summary:	Prior	14/15	15/16	16/17	17/18	18/19	19/20	Beyond	Total	Project #:
PE	168,750	120,000							288,750	5308(016)
R/W										
CON					1,163,750				1,163,750	
Total	168,750	120,000			1,163,750				1,452,500	
Fund Source Summary:	Prior	14/15	15/16	16/17	17/18	18/19	19/20	Beyond	Total	
Fed \$	149,394	106,236						1,030,268	1,285,898	
Local Match	19,356	13,764			133,482				166,602	
LSSRP Bond										
Local AC					1,030,268			-1,030,268		
Total	168,750	120,000			1,163,750				1,452,500	
PE Summary:	Prior	14/15	15/16	16/17	17/18	18/19	19/20	Beyond	Total	
Fed \$	149,394	106,236							255,630	
Local Match	19,356	13,764							33,120	
LSSRP Bond										
Local AC										
Total	168,750	120,000							288,750	
CON Summary:	Prior	14/15	15/16	16/17	17/18	18/19	19/20	Beyond	Total	
Fed \$								1,030,268	1,030,268	
Local Match					133,482				133,482	
LSSRP Bond										
Local AC					1,030,268			-1,030,268		
Total					1,163,750				1,163,750	

2014/15-2019/20 Highway Bridge Program

See the appropriate FTIP/FSTIP for current funding commitments. This listing provides the backup project information to support the lump sum amounts programmed in the FTIP.

District: 11 County: San Diego

Responsible Agency HBP-ID Project Description

Del Mar 3408 BRIDGE NO. 57C0209, CAMINO DEL MAR, OVER SAN DIEGUITO RIVER, 0.35 MI S VIA DE LA VALLE. Bridge replacement. No adding travelled lanes.

Phase Summary:	Prior	14/15	15/16	16/17	17/18	18/19	19/20	Beyond	Total	Project #:
PE	223,000		2,500,000						2,723,000	5356(007)
R/W						130,000			130,000	
CON								19,200,000	19,200,000	
Total	223,000		2,500,000			130,000		19,200,000	22,053,000	
Fund Source Summary:	Prior	14/15	15/16	16/17	17/18	18/19	19/20	Beyond	Total	
Fed \$	197,422		2,213,250			115,089		16,997,760	19,523,521	
Local Match	25,578		286,750			14,911		2,202,240	2,529,479	
LSSRP Bond										
Local AC										
Total	223,000		2,500,000			130,000		19,200,000	22,053,000	
PE Summary:	Prior	14/15	15/16	16/17	17/18	18/19	19/20	Beyond	Total	
Fed \$	197,422		2,213,250						2,410,672	
Local Match	25,578		286,750						312,328	
LSSRP Bond										
Local AC										
Total	223,000		2,500,000						2,723,000	
R/W Summary:	Prior	14/15	15/16	16/17	17/18	18/19	19/20	Beyond	Total	
Fed \$						115,089			115,089	
Local Match						14,911			14,911	
LSSRP Bond										
Local AC										
Total						130,000			130,000	
CON Summary:	Prior	14/15	15/16	16/17	17/18	18/19	19/20	Beyond	Total	
Fed \$								16,997,760	16,997,760	
Local Match								2,202,240	2,202,240	
LSSRP Bond										
Local AC										
Total								19,200,000	19,200,000	

2014/15-2019/20 Highway Bridge Program

See the appropriate FTIP/FSTIP for current funding commitments. This listing provides the backup project information to support the lump sum amounts programmed in the FTIP.

District: 11 County: San Diego

Responsible Agency HBP-ID Project Description

La Mesa 4031 BRIDGE NO. 57C0467, GROSSMONT CENTR DR OVER MTDB LRT & SDIV RR, 0.04 M S/O FLETCHER PKWY. Bridge Rehabilitation.
Widen bridge to accommodate wider lanes, shoulders and sidewalks. (No added capacity)

Phase Summary:	Prior	14/15	15/16	16/17	17/18	18/19	19/20	Beyond	Total	Project #:
PE	200,000		225,000						425,000	5207(036)
R/W					51,000				51,000	
CON								2,329,000	2,329,000	
Total	200,000		225,000		51,000			2,329,000	2,805,000	
Fund Source Summary:	Prior	14/15	15/16	16/17	17/18	18/19	19/20	Beyond	Total	
Fed \$	177,060		199,193		45,150			2,061,864	2,483,267	
Local Match	22,940		25,808		5,850			267,136	321,734	
LSSRP Bond										
Local AC										
Total	200,000		225,000		51,000			2,329,000	2,805,000	
PE Summary:	Prior	14/15	15/16	16/17	17/18	18/19	19/20	Beyond	Total	
Fed \$	177,060		199,193						376,253	
Local Match	22,940		25,808						48,748	
LSSRP Bond										
Local AC										
Total	200,000		225,000						425,000	
R/W Summary:	Prior	14/15	15/16	16/17	17/18	18/19	19/20	Beyond	Total	
Fed \$					45,150				45,150	
Local Match					5,850				5,850	
LSSRP Bond										
Local AC										
Total					51,000				51,000	
CON Summary:	Prior	14/15	15/16	16/17	17/18	18/19	19/20	Beyond	Total	
Fed \$								2,061,864	2,061,864	
Local Match								267,136	267,136	
LSSRP Bond										
Local AC										
Total								2,329,000	2,329,000	

2014/15-2019/20 Highway Bridge Program

See the appropriate FTIP/FSTIP for current funding commitments. This listing provides the backup project information to support the lump sum amounts programmed in the FTIP.

District: 11 County: San Diego

Responsible Agency HBP-ID Project Description

Oceanside 2796 BRIDGE NO. 57C0010, DOUGLAS DR, OVER SAN LUIS REY RIVER, 0.9 MI N ROUTE 76. LSSRP Seismic Retrofit

Phase Summary:	Prior	14/15	15/16	16/17	17/18	18/19	19/20	Beyond	Total	Project #:
PE	100,000		700,000				3,000,000		3,800,000	5079(016)
R/W										5079(029)
CON								11,500,000	11,500,000	
Total	100,000		700,000				3,000,000	11,500,000	15,300,000	
Fund Source Summary:	Prior	14/15	15/16	16/17	17/18	18/19	19/20	Beyond	Total	
Fed \$	88,530		619,710				2,655,900	10,180,950	13,545,090	
Local Match	11,470		80,290				344,100		435,860	
LSSRP Bond								1,319,050	1,319,050	
Local AC										
Total	100,000		700,000				3,000,000	11,500,000	15,300,000	
PE Summary:	Prior	14/15	15/16	16/17	17/18	18/19	19/20	Beyond	Total	
Fed \$	88,530		619,710				2,655,900		3,364,140	
Local Match	11,470		80,290				344,100		435,860	
LSSRP Bond										
Local AC										
Total	100,000		700,000				3,000,000		3,800,000	
CON Summary:	Prior	14/15	15/16	16/17	17/18	18/19	19/20	Beyond	Total	
Fed \$								10,180,950	10,180,950	
Local Match										
LSSRP Bond								1,319,050	1,319,050	
Local AC										
Total								11,500,000	11,500,000	

2014/15-2019/20 Highway Bridge Program

See the appropriate FTIP/FSTIP for current funding commitments. This listing provides the backup project information to support the lump sum amounts programmed in the FTIP.

District: 11 County: San Diego

Responsible Agency HBP-ID Project Description

Oceanside 2821 BRIDGE NO. 57C0322, HILL ST, OVER SAN LUIS REY RIVER, 0.3 MI S OCNSIDE HRBOR DR. Replace existing two lane bridge with new two lane bridge. Originally LSSRP Seismic Retrofit. 7/23/2013: Toll credits used for PE and CON. 9/25/2014: Toll credits used for R/W. High cost project agreement needs to be signed for this project.

Phase Summary:	Prior	14/15	15/16	16/17	17/18	18/19	19/20	Beyond	Total
PE	200,000		1,000,000				4,050,000		5,250,000
R/W							5,000,000		5,000,000
CON								36,750,000	36,750,000
Total	200,000		1,000,000				9,050,000	36,750,000	47,000,000

Project #:

5079(030)

Fund Source Summary:	Prior	14/15	15/16	16/17	17/18	18/19	19/20	Beyond	Total
Fed \$	200,000		1,000,000				9,050,000	36,750,000	47,000,000
Local Match									
LSSRP Bond									
Local AC									
Total	200,000		1,000,000				9,050,000	36,750,000	47,000,000

PE Summary:	Prior	14/15	15/16	16/17	17/18	18/19	19/20	Beyond	Total
Fed \$	200,000		1,000,000				4,050,000		5,250,000
Local Match									
LSSRP Bond									
Local AC									
Total	200,000		1,000,000				4,050,000		5,250,000

R/W Summary:	Prior	14/15	15/16	16/17	17/18	18/19	19/20	Beyond	Total
Fed \$							5,000,000		5,000,000
Local Match									
LSSRP Bond									
Local AC									
Total							5,000,000		5,000,000

CON Summary:	Prior	14/15	15/16	16/17	17/18	18/19	19/20	Beyond	Total
Fed \$								36,750,000	36,750,000
Local Match									
LSSRP Bond									
Local AC									
Total								36,750,000	36,750,000

2014/15-2019/20 Highway Bridge Program

See the appropriate FTIP/FSTIP for current funding commitments. This listing provides the backup project information to support the lump sum amounts programmed in the FTIP.

District: 11 County: San Diego

Responsible Agency HBP-ID Project Description

San Diego 736 BRIDGE NO. 57C0418, GEORGIA ST, OVER UNIVERSITY AVE, 0.6 MI E OF RTE 163. LSSRP Seismic Retrofit/rehabilitate bridge. No adding lane capacity. 4/5/2010: Toll Credits programmed for R/W & Con.

Phase Summary:	Prior	14/15	15/16	16/17	17/18	18/19	19/20	Beyond	Total
PE	1,927,800								1,927,800
R/W	200,000								200,000
CON		9,300,000	2,100,000						11,400,000
Total	2,127,800	9,300,000	2,100,000						13,527,800

Project #:
5004(009)

Fund Source Summary:	Prior	14/15	15/16	16/17	17/18	18/19	19/20	Beyond	Total
Fed \$	1,742,240	9,300,000	2,100,000						13,142,240
Local Match	385,560								385,560
LSSRP Bond									
Local AC									
Total	2,127,800	9,300,000	2,100,000						13,527,800

PE Summary:	Prior	14/15	15/16	16/17	17/18	18/19	19/20	Beyond	Total
Fed \$	1,542,240								1,542,240
Local Match	385,560								385,560
LSSRP Bond									
Local AC									
Total	1,927,800								1,927,800

R/W Summary:	Prior	14/15	15/16	16/17	17/18	18/19	19/20	Beyond	Total
Fed \$	200,000								200,000
Local Match									
LSSRP Bond									
Local AC									
Total	200,000								200,000

CON Summary:	Prior	14/15	15/16	16/17	17/18	18/19	19/20	Beyond	Total
Fed \$		9,300,000	2,100,000						11,400,000
Local Match									
LSSRP Bond									
Local AC									
Total		9,300,000	2,100,000						11,400,000

2014/15-2019/20 Highway Bridge Program

See the appropriate FTIP/FSTIP for current funding commitments. This listing provides the backup project information to support the lump sum amounts programmed in the FTIP.

District: 11 County: San Diego

Responsible Agency HBP-ID Project Description

San Diego 4352 BRIDGE NO. 57C0420L, FAIRMOUNT AVE OVER ALDINE DRIVE, 1.2 MI S OF RTE 8. Rehabilitation of a two lane bridge. (no added capacity) Scope is not Clear.

New!

Project #:

Phase Summary:	Prior	14/15	15/16	16/17	17/18	18/19	19/20	Beyond	Total
PE				135,000			567,750		702,750
R/W									
CON								3,485,640	3,485,640
Total				135,000			567,750	3,485,640	4,188,390
Fund Source Summary:	Prior	14/15	15/16	16/17	17/18	18/19	19/20	Beyond	Total
Fed \$				119,516			502,629	3,085,837	3,707,982
Local Match				15,485			65,121	399,803	480,408
LSSRP Bond									
Local AC									
Total				135,000			567,750	3,485,640	4,188,390
PE Summary:	Prior	14/15	15/16	16/17	17/18	18/19	19/20	Beyond	Total
Fed \$				119,516			502,629		622,145
Local Match				15,485			65,121		80,605
LSSRP Bond									
Local AC									
Total				135,000			567,750		702,750
CON Summary:	Prior	14/15	15/16	16/17	17/18	18/19	19/20	Beyond	Total
Fed \$								3,085,837	3,085,837
Local Match								399,803	399,803
LSSRP Bond									
Local AC									
Total								3,485,640	3,485,640

2014/15-2019/20 Highway Bridge Program

See the appropriate FTIP/FSTIP for current funding commitments. This listing provides the backup project information to support the lump sum amounts programmed in the FTIP.

District: 11 County: San Diego

Responsible Agency HBP-ID Project Description

San Diego 4351 BRIDGE NO. 57C0420R, FAIRMOUNT AVE OVER ALDINE DRIVE, 1.2 MI S OF RTE 8. Rehabilitation of a two lane bridge. (no added capacity)
 Scope is not Clear. New!

Phase Summary:	Prior	14/15	15/16	16/17	17/18	18/19	19/20	Beyond	Total
PE				135,000			567,750		702,750
R/W									
CON								3,485,640	3,485,640
Total				135,000			567,750	3,485,640	4,188,390
Fund Source Summary:	Prior	14/15	15/16	16/17	17/18	18/19	19/20	Beyond	Total
Fed \$				119,516			502,629	3,085,837	3,707,982
Local Match				15,485			65,121	399,803	480,408
LSSRP Bond									
Local AC									
Total				135,000			567,750	3,485,640	4,188,390
PE Summary:	Prior	14/15	15/16	16/17	17/18	18/19	19/20	Beyond	Total
Fed \$				119,516			502,629		622,145
Local Match				15,485			65,121		80,605
LSSRP Bond									
Local AC									
Total				135,000			567,750		702,750
CON Summary:	Prior	14/15	15/16	16/17	17/18	18/19	19/20	Beyond	Total
Fed \$								3,085,837	3,085,837
Local Match								399,803	399,803
LSSRP Bond									
Local AC									
Total								3,485,640	3,485,640

Project #:

2014/15-2019/20 Highway Bridge Program

See the appropriate FTIP/FSTIP for current funding commitments. This listing provides the backup project information to support the lump sum amounts programmed in the FTIP.

District: 11 County: San Diego

Responsible Agency HBP-ID Project Description

San Diego 3510 PM00046, Bridge Preventive Maintenance with the City of San Diego. See Caltrans HBP web site for backup list of bridges.

Phase Summary:	Prior	14/15	15/16	16/17	17/18	18/19	19/20	Beyond	Total	Project #:
PE	142,400								142,400	
R/W										5004(188)
CON					569,600				569,600	5004(189)
Total	142,400				569,600				712,000	
Fund Source Summary:	Prior	14/15	15/16	16/17	17/18	18/19	19/20	Beyond	Total	
Fed \$	126,067				504,267				630,334	
Local Match	16,333				65,333				81,666	
LSSRP Bond										
Local AC										
Total	142,400				569,600				712,000	
PE Summary:	Prior	14/15	15/16	16/17	17/18	18/19	19/20	Beyond	Total	
Fed \$	126,067								126,067	
Local Match	16,333								16,333	
LSSRP Bond										
Local AC										
Total	142,400								142,400	
CON Summary:	Prior	14/15	15/16	16/17	17/18	18/19	19/20	Beyond	Total	
Fed \$					504,267				504,267	
Local Match					65,333				65,333	
LSSRP Bond										
Local AC										
Total					569,600				569,600	

2014/15-2019/20 Highway Bridge Program

See the appropriate FTIP/FSTIP for current funding commitments. This listing provides the backup project information to support the lump sum amounts programmed in the FTIP.

District: 11 County: San Diego

Responsible Agency HBP-ID Project Description

San Diego County 3683 BRIDGE NO. 00L0048, 13th STREET OVER THE SANTA MARIA CREEK. Construct new two lane bridge to replace existing two lane low water crossing. 10/1/2010: Toll Credits programmed for PE, R/W, & CON.

Phase Summary:	Prior	14/15	15/16	16/17	17/18	18/19	19/20	Beyond	Total	Project #:
PE	1,425,000		375,000						1,800,000	NBIL(515)
R/W					150,000				150,000	
CON								8,000,000	8,000,000	
Total	1,425,000		375,000		150,000			8,000,000	9,950,000	
Fund Source Summary:	Prior	14/15	15/16	16/17	17/18	18/19	19/20	Beyond	Total	
Fed \$	1,425,000		375,000		150,000			8,000,000	9,950,000	
Local Match										
LSSRP Bond										
Local AC										
Total	1,425,000		375,000		150,000			8,000,000	9,950,000	
PE Summary:	Prior	14/15	15/16	16/17	17/18	18/19	19/20	Beyond	Total	
Fed \$	1,425,000		375,000						1,800,000	
Local Match										
LSSRP Bond										
Local AC										
Total	1,425,000		375,000						1,800,000	
R/W Summary:	Prior	14/15	15/16	16/17	17/18	18/19	19/20	Beyond	Total	
Fed \$					150,000				150,000	
Local Match										
LSSRP Bond										
Local AC										
Total					150,000				150,000	
CON Summary:	Prior	14/15	15/16	16/17	17/18	18/19	19/20	Beyond	Total	
Fed \$								8,000,000	8,000,000	
Local Match										
LSSRP Bond										
Local AC										
Total								8,000,000	8,000,000	

2014/15-2019/20 Highway Bridge Program

See the appropriate FTIP/FSTIP for current funding commitments. This listing provides the backup project information to support the lump sum amounts programmed in the FTIP.

District: 11 County: San Diego

Responsible Agency HBP-ID Project Description

San Diego County 3685 BRIDGE NO. 00L0049, QUARRY ROAD OVER SPRING VALLEY CREEK. Construct new two lane bridge to replace existing two lane low water crossing. 9/23/2010: Toll Credits programmed for PE, R/W, & CON.

Phase Summary:	Prior	14/15	15/16	16/17	17/18	18/19	19/20	Beyond	Total
PE	750,000		330,000						1,080,000
R/W					1,100,000				1,100,000
CON								6,300,000	6,300,000
Total	750,000		330,000		1,100,000			6,300,000	8,480,000

Project #:
NBIL(520)

Fund Source Summary:	Prior	14/15	15/16	16/17	17/18	18/19	19/20	Beyond	Total
Fed \$	750,000		330,000		1,100,000			6,300,000	8,480,000
Local Match									
LSSRP Bond									
Local AC									
Total	750,000		330,000		1,100,000			6,300,000	8,480,000

PE Summary:	Prior	14/15	15/16	16/17	17/18	18/19	19/20	Beyond	Total
Fed \$	750,000		330,000						1,080,000
Local Match									
LSSRP Bond									
Local AC									
Total	750,000		330,000						1,080,000

R/W Summary:	Prior	14/15	15/16	16/17	17/18	18/19	19/20	Beyond	Total
Fed \$					1,100,000				1,100,000
Local Match									
LSSRP Bond									
Local AC									
Total					1,100,000				1,100,000

CON Summary:	Prior	14/15	15/16	16/17	17/18	18/19	19/20	Beyond	Total
Fed \$								6,300,000	6,300,000
Local Match									
LSSRP Bond									
Local AC									
Total								6,300,000	6,300,000

2014/15-2019/20 Highway Bridge Program

See the appropriate FTIP/FSTIP for current funding commitments. This listing provides the backup project information to support the lump sum amounts programmed in the FTIP.

District: 11 County: San Diego

Responsible Agency HBP-ID Project Description

San Diego County 3888 BRIDGE NO. 00L0059, COLE GRADE ROAD low water crossing OVER SAN LUIS REY RIVER. Replace existing 2 lane low water crossing with 2 lane bridge.

Phase Summary:	Prior	14/15	15/16	16/17	17/18	18/19	19/20	Beyond	Total
PE	1,340,000								1,340,000
R/W					250,000				250,000
CON								7,500,000	7,500,000
Total	1,340,000				250,000			7,500,000	9,090,000

Project #:
5957(113)

Fund Source Summary:	Prior	14/15	15/16	16/17	17/18	18/19	19/20	Beyond	Total
Fed \$	1,186,302				221,325			6,639,750	8,047,377
Local Match	153,698				28,675			860,250	1,042,623
LSSRP Bond									
Local AC									
Total	1,340,000				250,000			7,500,000	9,090,000

PE Summary:	Prior	14/15	15/16	16/17	17/18	18/19	19/20	Beyond	Total
Fed \$	1,186,302								1,186,302
Local Match	153,698								153,698
LSSRP Bond									
Local AC									
Total	1,340,000								1,340,000

R/W Summary:	Prior	14/15	15/16	16/17	17/18	18/19	19/20	Beyond	Total
Fed \$					221,325				221,325
Local Match					28,675				28,675
LSSRP Bond									
Local AC									
Total					250,000				250,000

CON Summary:	Prior	14/15	15/16	16/17	17/18	18/19	19/20	Beyond	Total
Fed \$								6,639,750	6,639,750
Local Match								860,250	860,250
LSSRP Bond									
Local AC									
Total								7,500,000	7,500,000

2014/15-2019/20 Highway Bridge Program

See the appropriate FTIP/FSTIP for current funding commitments. This listing provides the backup project information to support the lump sum amounts programmed in the FTIP.

District: 11 County: San Diego

Responsible Agency HBP-ID Project Description

San Diego County 4033 BRIDGE NO. 00L0083, COUNTRY CLUB DRIVE OVER ESCONDIDO CREEK. Replace two lane low water crossing with two lane bridge. (No added capacity) 10/12/2012: Toll Credits programmed for PE, R/W, & CON.

Phase Summary:	Prior	14/15	15/16	16/17	17/18	18/19	19/20	Beyond	Total	Project #:
PE	200,000		1,300,000						1,500,000	NBIL(532)
R/W					75,000				75,000	
CON								8,400,000	8,400,000	
Total	200,000		1,300,000		75,000			8,400,000	9,975,000	
Fund Source Summary:	Prior	14/15	15/16	16/17	17/18	18/19	19/20	Beyond	Total	
Fed \$	200,000		1,300,000		75,000			8,400,000	9,975,000	
Local Match										
LSSRP Bond										
Local AC										
Total	200,000		1,300,000		75,000			8,400,000	9,975,000	
PE Summary:	Prior	14/15	15/16	16/17	17/18	18/19	19/20	Beyond	Total	
Fed \$	200,000		1,300,000						1,500,000	
Local Match										
LSSRP Bond										
Local AC										
Total	200,000		1,300,000						1,500,000	
R/W Summary:	Prior	14/15	15/16	16/17	17/18	18/19	19/20	Beyond	Total	
Fed \$					75,000				75,000	
Local Match										
LSSRP Bond										
Local AC										
Total					75,000				75,000	
CON Summary:	Prior	14/15	15/16	16/17	17/18	18/19	19/20	Beyond	Total	
Fed \$								8,400,000	8,400,000	
Local Match										
LSSRP Bond										
Local AC										
Total								8,400,000	8,400,000	

2014/15-2019/20 Highway Bridge Program

See the appropriate FTIP/FSTIP for current funding commitments. This listing provides the backup project information to support the lump sum amounts programmed in the FTIP.

District: 11 County: San Diego

Responsible Agency HBP-ID Project Description

San Diego County 1772 BRIDGE NO. 57C0120, IRR WILLOWS RD, OVER VIEJAS CREEK, 0.9 MI E/O ALPINE WILLOW. Construct scour countermeasure.
4/5/2010: Toll Credits programmed for R/W & Con.

Phase Summary:	Prior	14/15	15/16	16/17	17/18	18/19	19/20	Beyond	Total
PE	905,000	250,000							1,155,000
R/W			30,000						30,000
CON								2,700,000	2,700,000
Total	905,000	250,000	30,000					2,700,000	3,885,000

Project #:
5957(062)

Fund Source Summary:	Prior	14/15	15/16	16/17	17/18	18/19	19/20	Beyond	Total
Fed \$	724,000	200,000	30,000					2,700,000	3,654,000
Local Match	181,000	50,000							231,000
LSSRP Bond									
Local AC									
Total	905,000	250,000	30,000					2,700,000	3,885,000

PE Summary:	Prior	14/15	15/16	16/17	17/18	18/19	19/20	Beyond	Total
Fed \$	724,000	200,000							924,000
Local Match	181,000	50,000							231,000
LSSRP Bond									
Local AC									
Total	905,000	250,000							1,155,000

R/W Summary:	Prior	14/15	15/16	16/17	17/18	18/19	19/20	Beyond	Total
Fed \$			30,000						30,000
Local Match									
LSSRP Bond									
Local AC									
Total			30,000						30,000

CON Summary:	Prior	14/15	15/16	16/17	17/18	18/19	19/20	Beyond	Total
Fed \$								2,700,000	2,700,000
Local Match									
LSSRP Bond									
Local AC									
Total								2,700,000	2,700,000

2014/15-2019/20 Highway Bridge Program

See the appropriate FTIP/FSTIP for current funding commitments. This listing provides the backup project information to support the lump sum amounts programmed in the FTIP.

District: 11 County: San Diego

Responsible Agency HBP-ID Project Description

San Diego County 3450 BRIDGE NO. 57C0270, BUCKMAN SPRINGS RD, OVER COTTONWOOD CR, 3.5 MI S ROUTE I-8. Replacement (HBP). No lanes being added.

Phase Summary:	Prior	14/15	15/16	16/17	17/18	18/19	19/20	Beyond	Total	Project #:
PE	1,600,000								1,600,000	5957(084)
R/W										
CON								3,000,000	3,000,000	
Total	1,600,000							3,000,000	4,600,000	
Fund Source Summary:	Prior	14/15	15/16	16/17	17/18	18/19	19/20	Beyond	Total	
Fed \$	1,416,480							2,655,900	4,072,380	
Local Match	183,520							344,100	527,620	
LSSRP Bond										
Local AC										
Total	1,600,000							3,000,000	4,600,000	
PE Summary:	Prior	14/15	15/16	16/17	17/18	18/19	19/20	Beyond	Total	
Fed \$	1,416,480								1,416,480	
Local Match	183,520								183,520	
LSSRP Bond										
Local AC										
Total	1,600,000								1,600,000	
R/W Summary:	Prior	14/15	15/16	16/17	17/18	18/19	19/20	Beyond	Total	
Fed \$										
Local Match										
LSSRP Bond										
Local AC										
Total										
CON Summary:	Prior	14/15	15/16	16/17	17/18	18/19	19/20	Beyond	Total	
Fed \$								2,655,900	2,655,900	
Local Match								344,100	344,100	
LSSRP Bond										
Local AC										
Total								3,000,000	3,000,000	

2014/15-2019/20 Highway Bridge Program

See the appropriate FTIP/FSTIP for current funding commitments. This listing provides the backup project information to support the lump sum amounts programmed in the FTIP.

District: 11 County: San Diego

Responsible Agency HBP-ID Project Description

San Diego County 3451 BRIDGE NO. 57C0344, LAWSON VALLEY RD, OVER LAWSON CREEK, 3.4 MI E OF SKYLINE TRUCK. Bridge Replacement (HBP). No added lane capacity. 4/1/2010: Toll Credits programmed for PE, R/W, & Con.

Phase Summary:	Prior	14/15	15/16	16/17	17/18	18/19	19/20	Beyond	Total	Project #:
PE	875,000								875,000	5957(090)
R/W					100,000				100,000	
CON								3,500,000	3,500,000	
Total	875,000				100,000			3,500,000	4,475,000	
Fund Source Summary:	Prior	14/15	15/16	16/17	17/18	18/19	19/20	Beyond	Total	
Fed \$	875,000				100,000			3,500,000	4,475,000	
Local Match										
LSSRP Bond										
Local AC										
Total	875,000				100,000			3,500,000	4,475,000	
PE Summary:	Prior	14/15	15/16	16/17	17/18	18/19	19/20	Beyond	Total	
Fed \$	875,000								875,000	
Local Match										
LSSRP Bond										
Local AC										
Total	875,000								875,000	
R/W Summary:	Prior	14/15	15/16	16/17	17/18	18/19	19/20	Beyond	Total	
Fed \$					100,000				100,000	
Local Match										
LSSRP Bond										
Local AC										
Total					100,000				100,000	
CON Summary:	Prior	14/15	15/16	16/17	17/18	18/19	19/20	Beyond	Total	
Fed \$								3,500,000	3,500,000	
Local Match										
LSSRP Bond										
Local AC										
Total								3,500,000	3,500,000	

2014/15-2019/20 Highway Bridge Program

See the appropriate FTIP/FSTIP for current funding commitments. This listing provides the backup project information to support the lump sum amounts programmed in the FTIP.

District: 11 County: San Diego

Responsible Agency HBP-ID Project Description

San Diego County 4029 BRIDGE NO. 57C0358, SYCAMORE DR OVER N FK SAN MARCOS CREEK, 0.35 MI N OLIVE ST. Replace two lane bridge with two lane bridge.

Phase Summary:	Prior	14/15	15/16	16/17	17/18	18/19	19/20	Beyond	Total	Project #:
PE	200,000		681,250						881,250	5957(118)
R/W					75,000				75,000	
CON						4,935,000			4,935,000	
Total	200,000		681,250		75,000	4,935,000			5,891,250	
Fund Source Summary:	Prior	14/15	15/16	16/17	17/18	18/19	19/20	Beyond	Total	
Fed \$	177,060		603,111		66,398	4,368,956			5,215,524	
Local Match	22,940		78,139		8,603	566,045			675,726	
LSSRP Bond										
Local AC										
Total	200,000		681,250		75,000	4,935,000			5,891,250	
PE Summary:	Prior	14/15	15/16	16/17	17/18	18/19	19/20	Beyond	Total	
Fed \$	177,060		603,111						780,171	
Local Match	22,940		78,139						101,079	
LSSRP Bond										
Local AC										
Total	200,000		681,250						881,250	
R/W Summary:	Prior	14/15	15/16	16/17	17/18	18/19	19/20	Beyond	Total	
Fed \$					66,398				66,398	
Local Match					8,603				8,603	
LSSRP Bond										
Local AC										
Total					75,000				75,000	
CON Summary:	Prior	14/15	15/16	16/17	17/18	18/19	19/20	Beyond	Total	
Fed \$						4,368,956			4,368,956	
Local Match						566,045			566,045	
LSSRP Bond										
Local AC										
Total						4,935,000			4,935,000	

2014/15-2019/20 Highway Bridge Program

See the appropriate FTIP/FSTIP for current funding commitments. This listing provides the backup project information to support the lump sum amounts programmed in the FTIP.

District: 11 County: San Diego

Responsible Agency HBP-ID Project Description

San Diego County 3533 BRIDGE NO. 57C0709, Live Oak Park Rd Over San Luis Rey Tributary. Replace existing 2 lane bridge with new 2 lane bridge.

Phase Summary:	Prior	14/15	15/16	16/17	17/18	18/19	19/20	Beyond	Total	Project #:
PE	1,000,000								1,000,000	5957(105)
R/W					100,000				100,000	
CON						4,000,000			4,000,000	
Total	1,000,000				100,000	4,000,000			5,100,000	
Fund Source Summary:	Prior	14/15	15/16	16/17	17/18	18/19	19/20	Beyond	Total	
Fed \$	885,300				88,530	3,541,200			4,515,030	
Local Match	114,700				11,470	458,800			584,970	
LSSRP Bond										
Local AC										
Total	1,000,000				100,000	4,000,000			5,100,000	
PE Summary:	Prior	14/15	15/16	16/17	17/18	18/19	19/20	Beyond	Total	
Fed \$	885,300								885,300	
Local Match	114,700								114,700	
LSSRP Bond										
Local AC										
Total	1,000,000								1,000,000	
R/W Summary:	Prior	14/15	15/16	16/17	17/18	18/19	19/20	Beyond	Total	
Fed \$					88,530				88,530	
Local Match					11,470				11,470	
LSSRP Bond										
Local AC										
Total					100,000				100,000	
CON Summary:	Prior	14/15	15/16	16/17	17/18	18/19	19/20	Beyond	Total	
Fed \$						3,541,200			3,541,200	
Local Match						458,800			458,800	
LSSRP Bond										
Local AC										
Total						4,000,000			4,000,000	

2014/15-2019/20 Highway Bridge Program

See the appropriate FTIP/FSTIP for current funding commitments. This listing provides the backup project information to support the lump sum amounts programmed in the FTIP.

District: 11 County: San Diego

Responsible Agency HBP-ID Project Description

San Diego County 3396 PM00027, Bridge Preventive Maintenance Program (BPMP) various locations in the County of San Diego. See Caltrans Local Assistance HBP web site for backup list of bridges.

Phase Summary:	Prior	14/15	15/16	16/17	17/18	18/19	19/20	Beyond	Total	Project #:
PE	945,804								945,804	5957(096)
R/W										5957(099)
CON	3,216,299			848,820					4,065,119	5957(100)
Total	4,162,103			848,820					5,010,923	5957(101)
Fund Source Summary:	Prior	14/15	15/16	16/17	17/18	18/19	19/20	Beyond	Total	
Fed \$	3,684,710			751,460					4,436,170	
Local Match	477,393	0		97,360					574,753	
LSSRP Bond										
Local AC										
Total	4,162,103			848,820					5,010,923	
PE Summary:	Prior	14/15	15/16	16/17	17/18	18/19	19/20	Beyond	Total	
Fed \$	837,320								837,320	
Local Match	108,484								108,484	
LSSRP Bond										
Local AC										
Total	945,804								945,804	
CON Summary:	Prior	14/15	15/16	16/17	17/18	18/19	19/20	Beyond	Total	
Fed \$	2,847,390			751,460					3,598,850	
Local Match	368,909	0		97,360					466,269	
LSSRP Bond										
Local AC										
Total	3,216,299			848,820					4,065,119	

2014/15-2019/20 Highway Bridge Program

See the appropriate FTIP/FSTIP for current funding commitments. This listing provides the backup project information to support the lump sum amounts programmed in the FTIP.

District: 11 County: San Diego

Responsible Agency HBP-ID Project Description

San Diego County 4307 BRIDGE NO. PM00130, Bridge Preventive Maintenance Program (BPMP), various bridges in the County of San Diego. See Caltrans Local Assistance HBP web site for backup list of bridges.

Phase Summary:	Prior	14/15	15/16	16/17	17/18	18/19	19/20	Beyond	Total
PE			1,650,000						1,650,000
R/W									
CON					4,884,383				4,884,383
Total			1,650,000		4,884,383				6,534,383
Fund Source Summary:	Prior	14/15	15/16	16/17	17/18	18/19	19/20	Beyond	Total
Fed \$			1,460,745		4,324,144				5,784,889
Local Match			189,255		560,239				749,494
LSSRP Bond									
Local AC									
Total			1,650,000		4,884,383				6,534,383
PE Summary:	Prior	14/15	15/16	16/17	17/18	18/19	19/20	Beyond	Total
Fed \$			1,460,745						1,460,745
Local Match			189,255						189,255
LSSRP Bond									
Local AC									
Total			1,650,000						1,650,000
CON Summary:	Prior	14/15	15/16	16/17	17/18	18/19	19/20	Beyond	Total
Fed \$					4,324,144				4,324,144
Local Match					560,239				560,239
LSSRP Bond									
Local AC									
Total					4,884,383				4,884,383

Project #:

2014/15-2019/20 Highway Bridge Program

See the appropriate FTIP/FSTIP for current funding commitments. This listing provides the backup project information to support the lump sum amounts programmed in the FTIP.

District: 11 County: San Diego

Responsible Agency HBP-ID Project Description

San Marcos 3623 BRIDGE NO. 00L0045, SOUTH BENT AVENUE OVER SAN MARCOS CREEK. Construct new two lane bridge to replace existing two lane low water crossing.

Phase Summary:	Prior	14/15	15/16	16/17	17/18	18/19	19/20	Beyond	Total	Project #:
PE	913,975		936,025						1,850,000	NBIL(522)
R/W		400,000							400,000	
CON								11,025,000	11,025,000	
Total	913,975	400,000	936,025					11,025,000	13,275,000	
Fund Source Summary:	Prior	14/15	15/16	16/17	17/18	18/19	19/20	Beyond	Total	
Fed \$	809,142	354,120	828,663					9,760,433	11,752,358	
Local Match	104,833	45,880	107,362					1,264,568	1,522,643	
LSSRP Bond										
Local AC										
Total	913,975	400,000	936,025					11,025,000	13,275,000	
PE Summary:	Prior	14/15	15/16	16/17	17/18	18/19	19/20	Beyond	Total	
Fed \$	809,142		828,663						1,637,805	
Local Match	104,833		107,362						212,195	
LSSRP Bond										
Local AC										
Total	913,975		936,025						1,850,000	
R/W Summary:	Prior	14/15	15/16	16/17	17/18	18/19	19/20	Beyond	Total	
Fed \$		354,120							354,120	
Local Match		45,880							45,880	
LSSRP Bond										
Local AC										
Total		400,000							400,000	
CON Summary:	Prior	14/15	15/16	16/17	17/18	18/19	19/20	Beyond	Total	
Fed \$								9,760,433	9,760,433	
Local Match								1,264,568	1,264,568	
LSSRP Bond										
Local AC										
Total								11,025,000	11,025,000	

2014/15-2019/20 Highway Bridge Program

See the appropriate FTIP/FSTIP for current funding commitments. This listing provides the backup project information to support the lump sum amounts programmed in the FTIP.

District: 11 County: San Diego

Responsible Agency HBP-ID Project Description

Santee 2823 BRIDGE NO. 57C0398, CARLTON OAKS DR, OVER SYCAMORE CREEK, 1.1 MI E OF MAST BLVD.. LSSRP Seismic Retrofit

Phase Summary:	Prior	14/15	15/16	16/17	17/18	18/19	19/20	Beyond	Total	Project #:
PE	100,000		200,000						300,000	5429(021)
R/W										
CON								200,000	200,000	
Total	100,000		200,000					200,000	500,000	
Fund Source Summary:	Prior	14/15	15/16	16/17	17/18	18/19	19/20	Beyond	Total	
Fed \$	88,530		177,060					177,060	442,650	
Local Match	11,470		22,940						34,410	
LSSRP Bond								22,940	22,940	
Local AC										
Total	100,000		200,000					200,000	500,000	
PE Summary:	Prior	14/15	15/16	16/17	17/18	18/19	19/20	Beyond	Total	
Fed \$	88,530		177,060						265,590	
Local Match	11,470		22,940						34,410	
LSSRP Bond										
Local AC										
Total	100,000		200,000						300,000	
CON Summary:	Prior	14/15	15/16	16/17	17/18	18/19	19/20	Beyond	Total	
Fed \$								177,060	177,060	
Local Match										
LSSRP Bond								22,940	22,940	
Local AC										
Total								200,000	200,000	

2014/15-2019/20 Highway Bridge Program

See the appropriate FTIP/FSTIP for current funding commitments. This listing provides the backup project information to support the lump sum amounts programmed in the FTIP.

District: 11 County: San Diego

Responsible Agency HBP-ID Project Description

MPO Summary: San Diego Association of Governments

Number of Projects: 22

Totals:

	Prior	14/15	15/16	16/17	17/18	18/19	19/20	Beyond	Total
Fed \$	14,902,237	9,960,356	11,236,731	990,491	6,674,814	8,025,245	12,711,158	121,325,658	185,826,690
Local Match	1,730,791	109,644	790,544	128,329	813,651	1,039,756	474,342	5,737,900	10,824,956
LSSRP Bond								1,341,990	1,341,990
Local AC					1,030,268			-1,030,268	
Total for all Phases	16,633,028	10,070,000	12,027,275	1,118,820	8,518,733	9,065,000	13,185,500	127,375,280	197,993,636

Grouped Projects for Safety Improvements - SHOPP Mobility Program (CAL46A)

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Project ID	Lead Agency	Project Title	Project Description	Prior Year	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total Cost
CAL437	Caltrans	In San Diego County, on various routes at various locations- Routes 5, 8, 52, 54, 94, 163, 805, and 905	Replace Changeable Message Sign (CMS) panels with Advanced Variable Message Sign (AVMS) panels.	\$0	\$0	\$0	\$0	\$5,872,000	\$0	\$5,872,000
CAL438	Caltrans	In San Diego County, on various routes at various locations-Route 15 and 56	Replace Changeable Message Signs (CMS) panels with Advanced Variable Message Signs (AVMS)panels.	\$0	\$0	\$0	\$6,446,000	\$0	\$0	\$6,446,000
Total				\$0	\$0	\$0	\$6,446,000	\$5,872,000	\$0	\$12,318,000

Grouped Projects for Safety Improvements - SHOPP Collision Reduction Program (CAL46B)

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Project ID	Lead Agency	Project Title	Project Description	Prior Year	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total Cost
CAL351	Caltrans	Lemon Grove - West of College Ave. to Campo Rd. Improve maintenance worker safety.	In and Near Lemon Grove at various locations, from west of College Avenue to Campo Road, improve maintenance worker safety by installing access gates and Maintenance Vehicle Pullouts (MVP), paving, construct concrete barrier and other measures.	\$0	\$0	\$6,886,000	\$0	\$0	\$0	\$6,886,000
CAL352	Caltrans	San Diego and Chula Vista - South of San Ysidro Blvd to North of Main St.	In the cities of San Diego and Chula Vista, from south of San Ysidro Boulevard to north of Main Street, at various locations, construct Maintenance Vehicle Pullouts (MVP), paving, construct concrete barrier and other measures.	\$0	\$0	\$6,296,000	\$0	\$0	\$0	\$6,296,000
CAL353	Caltrans	In San Diego and Chula Vista - Camino De La Plaza OC to Main Street OC.	In San Diego and Chula Vista, at various locations from Camino De La Plaza Overcrossing to Main Street Overcrossing. Construct pullouts and pave beyond gore areas to improve safety for maintenance personnel. (PM: R0.3/5.4)	\$0	\$5,587,000	\$0	\$0	\$0	\$0	\$5,587,000
CAL354	Caltrans	Buckman Springs Safety Roadside Rest Area (SRRA) Rehab	Near Pine Valley, at Buckman Springs Safety Roadside Rest Area (SRRA), rehabilitate SRRA sewer and water systems.	\$0	\$0	\$6,278,000	\$0	\$0	\$0	\$6,278,000
CAL365	Caltrans	San Diego - Robinson Ave to San Diego River Safety Enhancements	In the city of San Diego, from Robinson Avenue to San Diego River, safety enhancements that include lighting, rumble strips, striping, lighting, bridge rail end treatments and high friction surface treatment.	\$0	\$8,830,000	\$0	\$0	\$0	\$0	\$8,830,000
CAL366	Caltrans	San Diego - Landis St to Route 8, Improve Maintenance Worker Safety	In the city of San Diego, from Landis Street to Route 8, improve maintenance worker safety by relocating equipment away from traffic, installing access gates, constructing Maintenance Vehicle Pullouts (MVP), replace MBGR with concrete barrier, and other measures.	\$0	\$5,440,000	\$0	\$0	\$0	\$0	\$5,440,000
CAL371	Caltrans	I-8 San Diego - West of Morena Blvd to east of Hotel Circle Interchange	In the city of San Diego, from 0.2 mile west of Morena Boulevard to 0.1 mile east of Hotel Circle North interchange ramps. Restripe westbound I-8, add an additional westbound lane and improve signage. (PM: R0.1/2.0)	\$0	\$19,791,000	\$0	\$0	\$0	\$0	\$19,791,000

**Grouped Projects for Safety Improvements -
SHOPP Collision Reduction Program (CAL46B)**

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Project ID	Lead Agency	Project Title	Project Description	Prior Year	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total Cost
CAL401	Caltrans	Dulzura - Roadway realignment, curve improvement, shoulder widening.	Near Dulzura, from north of Marron Valley Road to south of Dutchman Canyon Road. Roadway realignment, curve improvement, and shoulder widening.	\$0	\$0	\$7,722,000	\$0	\$0	\$0	\$7,722,000
CAL422	Caltrans	In the city of San Diego on Routes 8 and 805.	In the city of San Diego, from east of Route 163 to east of Route 805; also on Route 805 from north of Adams Avenue to south of Route 8 (PM 17.3/17.5). Roadside safety improvements.	\$0	\$0	\$0	\$8,755,000	\$0	\$0	\$8,755,000
CAL427	Caltrans	In the city of San Diego and Santee, from Route 5 to Route 125.	Construct rumble strips, enhance pavement delineation, and construct concrete barriers (PM 0.0/14.8).	\$0	\$0	\$0	\$0	\$6,931,000	\$0	\$6,931,000
CAL430	Caltrans	In the city of San Diego on Routes 8 and 15.	In the city of San Diego, from east of Route 805 to east of Route 15; also on Route 15 from north of Adams Avenue to north of Route 8 (PM M5.8/R6.3). Roadside safety improvements.	\$0	\$0	\$0	\$5,458,000	\$0	\$0	\$5,458,000
CAL432	Caltrans	In the city of San Diego and La Mesa, from west of Mission Gorge Road to west of Route 125.	Roadside safety improvements.	\$0	\$0	\$0	\$0	\$8,280,000	\$0	\$8,280,000
CAL433	Caltrans	In San Diego County, on various routes at various locations.	In San Diego County, on various routes at various locations. Construct maintenance vehicle pullouts, pave areas beyond the gore, upgrade crash cushions, reduce maintenance intensive landscaping and relocate irrigation controls.	\$0	\$0	\$0	\$6,023,000	\$0	\$0	\$6,023,000
Total				\$0	\$39,648,000	\$27,182,000	\$20,236,000	\$15,211,000	\$0	\$102,277,000

Grouped Projects for Safety Improvements - SHOPP Program (CAL46D)

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Project ID	Lead Agency	Project Title	Project Description	Prior Year	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total Cost
CAL356	Caltrans	San Diego and Coronado - San Diego Coronado Bay Bridge Rehab and upgrade of electrical components.	In the cities of San Diego and Coronado, from 0.1 mile south of San Diego - Coronado Bay Bridge to 0.3 mile south of North Junction 5. Rehabilitate and upgrade bridge electrical components.	\$0	\$19,139,000	\$0	\$0	\$0	\$0	\$19,139,000
CAL357	Caltrans	Palomar Mountain State Park - Gomez Creek Bridge to San Luis Rey River Bridge, bridge rail upgrades.	Near Palomar Mountain State Park, from Gomez Creek Bridge No. 57-0158 to San Luis Rey River Bridge No. 57-0171 at various locations. Bridge rail upgrade.	\$0	\$4,846,000	\$0	\$0	\$0	\$0	\$4,846,000
CAL358	Caltrans	Campo - Campo Creek Bridge, upgrade bridge rails and bridge approach rails.	Near Campo at Campo Creek Bridge No. 57-0118, and 7 miles west of Manzanita at Campo Creek Bridge No. 57-0686. Upgrade bridge rails and bridge approach rails. Postmile (Beg PM 46.9 to End PM R58.9).	\$0	\$4,708,000	\$0	\$0	\$0	\$0	\$4,708,000
CAL396	Caltrans	In San Diego County- Buena Vista Creek Bridge to Chihuahua Creek Bridge.	In San Diego County, at various locations from Buena Vista Creek Bridge to Chihuahua Creek Bridge. Rehabilitate bridge railing on five bridges.	\$0	\$5,135,000	\$0	\$0	\$0	\$0	\$5,135,000
CAL397	Caltrans	In San Diego and Lemon Grove Overcrossings (Kelton Road and Grove Street)	In the city of San Diego at Kelton Road Overcrossing No. 57-0300; also in Lemon Grove at Grove Street Overcrossing No. 57-0322. Upgrade bridge rails.	\$0	\$6,213,000	\$0	\$0	\$0	\$0	\$6,213,000
CAL404	Caltrans	In various cities, at various routes - apply methacrylate to decks	In various cities, on various routes at various locations. Repair bridge decks, rails, and replace approach slabs.	\$0	\$3,085,000	\$0	\$0	\$0	\$0	\$3,085,000
CAL405	Caltrans	In various cities, on various routes at various locations	In various cities, on various routes at various locations. Repair bridge decks, rails, and replace approach slabs.	\$0	\$3,655,000	\$0	\$0	\$0	\$0	\$3,655,000
CAL440	Caltrans	In the city of San Diego and Coronado: San Diego-Coronado Bay Bridge.	In the city of San Diego and Coronado from San Diego-Coronado Bay Bridge to the Route 75/5 Connector Overcrossing. Bridge rehabilitation. (PM R20.5/R22.0)	\$0	\$0	\$0	\$0	\$0	\$2,593,000	\$2,593,000
Total				\$0	\$46,781,000	\$0	\$0	\$0	\$2,593,000	\$49,374,000

Grouped Projects for Safety Improvements - Roadway Preservation Program (CAL46E)

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Project ID	Lead Agency	Project Title	Project Description	Prior Year	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total Cost
CAL359	Caltrans	San Diego, La Mesa, and El Cajon - I-8 Pavement Rehab	In the cities of San Diego, La Mesa, and El Cajon, from west of Lake Murray Boulevard to Johnson Avenue. Pavement rehabilitation.	\$0	\$22,904,000	\$0	\$0	\$0	\$0	\$22,904,000
CAL394	Caltrans	In various cities, at various locations	In various cities, at various locations. Upgrade existing guide signs to current standards.	\$0	\$14,531,000	\$0	\$0	\$0	\$0	\$14,531,000
CAL395	Caltrans	San Diego County Sign Upgrades	In various cities, at various locations. Upgrade existing guide signs to current standards.	\$0	\$13,443,000	\$0	\$0	\$0	\$0	\$13,443,000
CAL421	Caltrans	In San Diego County - On various routes at various locations.	In San Diego County, on various routes at various locations. Culvert Rehabilitation.	\$0	\$0	\$0	\$5,821,000	\$0	\$0	\$5,821,000
CAL423	Caltrans	In and near Escondido, west of North Broadway to Teepee Drive.	(PM N17.6/R21.4); Pavement Rehabilitation.	\$0	\$0	\$0	\$0	\$29,648,000	\$0	\$29,648,000
CAL424	Caltrans	In the city of San Diego on Route 52.	In the city of San Diego, from Route 805 to west of Convoy Street. Pavement rehabilitation.	\$0	\$0	\$0	\$18,390,000	\$0	\$0	\$18,390,000
CAL425	Caltrans	In the city of San Diego on Route 805.	In the city of San Diego, from Mira Mesa Boulevard to north of Route 5. Pavement rehabilitation.	\$0	\$0	\$0	\$10,693,000	\$0	\$0	\$10,693,000
CAL426	Caltrans	In the city of San Diego, from Spring to Route 54.	(PM R10.4/14.9); Pavement Rehabilitation.	\$0	\$0	\$0	\$0	\$14,775,000	\$0	\$14,775,000
Total				\$0	\$50,878,000	\$0	\$34,904,000	\$44,423,000	\$0	\$130,205,000

Grouped Projects for Safety Improvements - SHOPP Mandates Program (CAL46I)

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Project ID	Lead Agency	Project Title	Project Description	Prior Year	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total Cost
CAL350	Caltrans	San Diego - SR 805 to SR 163, Repair median erosion and implement storm water quality measures.	In the city of San Diego from Route 805 to Route 163. Repair median erosion and implement storm water quality measures.	\$0	\$0	\$4,520,000	\$0	\$0	\$0	\$4,520,000
CAL355	Caltrans	Lemon Grove - Paradise Valley Rd. to North of Troy St, erosion and storm water quality measures.	In and near Lemon Grove, from Paradise Valley Road to north of Troy Street. Repair median erosion and implement storm water quality measures.	\$0	\$4,896,000	\$0	\$0	\$0	\$0	\$4,896,000
CAL364	Caltrans	In and near the cities of Chula Vista, National City, Coronado and San Diego	In and near the cities of Chula Vista, National City, Coronado and San Diego on Routes 5, 8, 52, 75, 163 and 805 at various locations. Upgrade curb ramps to comply with Americans with Disabilities Act (ADA) standards.	\$0	\$0	\$8,993,000	\$0	\$0	\$0	\$8,993,000
CAL434	Caltrans	In the city of San Diego, from 0.8 mile to 1.0 mile north of Del Mar Heights Road.	Repair and enhance detention basin and regrade overflow channel and access road (PM R34.6/35.1).	\$0	\$0	\$0	\$0	\$3,344,000	\$0	\$3,344,000
CAL435	Caltrans	In San Diego County, on various routes at various locations.	In San Diego County, on routes 5, 15, 75, and 163 at various locations. Construct and upgrade curb ramps, driveways and sidewalks to comply with ADA standards.	\$0	\$0	\$0	\$0	\$7,941,000	\$0	\$7,941,000
CAL439	Caltrans	In Oceanside on Route 78 - West of College Blvd. UC.	In Oceanside, from 0.8 mile to 0.6 mile west of College Boulevard. Stormwater mitigation and slope erosion repair.	\$0	\$0	\$0	\$5,628,000	\$0	\$0	\$5,628,000
Total				\$0	\$4,896,000	\$13,513,000	\$5,628,000	\$11,285,000	\$0	\$35,322,000

Unique Project ID	MPO ID	District	Agency	MPO	Project Location	Description of Work	Current Total Project Cost Estimate		Current Programmed Federal Funds		Other/ Local Funds	Federal Funds Programmed under "Prior"		Federal Funds Programmed in 2016/17	Federal Funds Programmed in 2017/18	Federal Funds Programmed under "Beyond"
HSIP7-11-001	CAL409	11	Chula Vista	SANDAG	At Broadway/F street and Broadway/G Street	Provide Protected left-turn phases	\$	517,000	\$	517,000	\$	-	\$	517,000		\$
HSIP7-11-002	CAL410	11	Chula Vista	SANDAG	At 4 intersections: H Street / Oaklawn Ave, Fourth Ave / Park Way, Fourth Ave / Davidson St, H Street / Woodlawn Ave	Install Ped Crossing and protected left-turn phase	\$	437,300	\$	437,300	\$	-	\$	437,300		\$
HSIP7-11-003	CAL411	11	Chula Vista	SANDAG	On Palomar St between Industrial Blvd to Broadway	Install Bike Lns and Sidewalks	\$	430,100	\$	387,090	\$	43,010	\$	387,090		\$
HSIP7-11-004	CAL412	11	El Cajon	SANDAG	Washington Ave. between Jamacha Rd. and El Cajon Blvd.; Chase Ave. between Anza St. and Johnson Ave.; El Cajon Blvd. between Boulevard Pl. and Main St.; Main St. between Travelodge Dr. and Magnolia Ave.	Installation of a traffic signal interconnect fiberoptic cable system to implement coordination timing and the installation of street lighting	\$	1,039,500	\$	1,039,500	\$	-	\$	1,039,500		\$
HSIP7-11-005	CAL413	11	La Mesa	SANDAG	Signalized intersections on the following corridors: Amaya Dr, Baltimore Dr, Center Dr, El Cajon Blvd, Grossmont Center Dr, Jackson Dr, La Mesa Blvd, Lake Murray Blvd, Murray Dr, Spring St, and University Ave	Upgrade fiber optic traffic signal interconnect system including installation of: cable, controllers, BBS, monitoring devices, and related communication equipment to improve safety and operations via optimized traffic signal timing and coordination.	\$	904,900	\$	904,900	\$	-	\$		904,900	\$
HSIP7-11-006	CAL414	11	National City	SANDAG	Signalized intersections along the following corridors within City limits: 8th Street, 18th Street, Division Road, Euclid Avenue, Mile of Cars Way, Palm Avenue, and Plaza Boulevard.	Upgrade fiber optic traffic signal communication system including installation of: conduit, cable, radios, controllers, and related communication equipment to improve safety and operations via optimized traffic signal timing and coordination.	\$	475,100	\$	455,100	\$	20,000	\$	455,100		\$
HSIP7-11-007	CAL415	11	National City	SANDAG	Signalized Intersections on the following corridors: D Ave, Euclid Ave, Highland Ave, National City Blvd, Palm Ave, Plaza Blvd, Sweetwater Rd	Install LED luminaire safety lighting at signalized intersections and pedestrian level LED street lighting at midblock crosswalks with additional pedestrian safety enhancements at select midblock locations	\$	724,700	\$	625,230	\$	99,470	\$		625,230	\$

Unique Project ID	MPO ID	District	Agency	MPO	Project Location	Description of Work	Current Total Project Cost Estimate	Current Programmed Federal Funds	Other/ Local Funds	Federal Funds Programmed under "Prior"	Federal Funds Programmed in 2016/17	Federal Funds Programmed in 2017/18	Federal Funds Programmed under "Beyond"
HSIP7-11-008	CAL416	11	National City	SANDAG	At the intersections of National City Blvd & 30th St, Plaza Blvd & N Ave, Plaza Blvd & Harbison Ave, Euclid Ave & 16th St, Euclid Ave & 18th St, 30th St & L Ave, Sweetwater Rd & Prospect St, Sweetwater Rd & Ring Rd.	Installing pedestrian crossings at signalized intersections and necessary related access and equipment improvements.	\$261,200	\$243,200	\$18,000	\$	\$243,200	\$	\$
HSIP7-11-009	CAL417	11	Oceanside	SANDAG	On Douglas Drive between approximately 300 feet south of Westport Drive and 250 feet north of Via Cibola.	Install a raised median from 300 ft. south of Westport Dr to 250 ft. north of Festival Dr, and raised median islands on the approaches of two non-signalized intersections along Douglas Dr at Corte Bocina and at Via Cibola.	\$778,700	\$700,830	\$77,870	\$	\$	\$700,830	\$
HSIP7-11-010	CAL418	11	San Diego County	SANDAG	Wintergardens Blvd. from Woodside Ave to Lemoncrest Dr in the unincorporated community of Lakeside in San Diego County.	Construct sidewalk, curb, gutter, curb ramps, driveways, bike lanes, stripes, pavement markings and a traffic signal modification on Wintergardens Blvd.	\$741,000	\$607,440	\$133,560	\$	\$	\$607,440	\$
HSIP6-11-016	CAL340	11	San Marcos	SANDAG	10 intersections throughout San Marcos	Upgrade traffic signals: hardware, vehicle detection systems and other safety improvements	\$500,000	\$495,000	\$5,000	\$45,000	\$450,000	\$	\$
HSIP6-11-018	CAL342	11	Santee	SANDAG	On Mission Gorge Rd between Riverview Parkway and 1st Ave	Install raised median	\$780,000	\$780,000	\$-	\$-	\$780,000	\$	\$
HSIP7-11-011	CAL419	11	Santee	SANDAG	Mission Gorge Road from SR 52 westbound on-ramp to Carlton Hills Boulevard	Install streetlights	\$365,500	\$365,500	\$-	\$	\$365,500	\$	\$
HSIP7-11-012	CAL420	11	Santee	SANDAG	Around Santana High School on Mast Boulevard from Park Center Drive to Grand Teton Way, Magnolia Avenue from Mast Boulevard to 2nd Street, 2nd Street from Magnolia Avenue to Cleary Street	Install streetlights	\$518,200	\$518,200	\$-	\$	\$	\$518,200	\$
HSIP6-11-020	CAL344	11	Vista	SANDAG	Varrious locations throughout Vista	Upgrade traffic signals (interconnect)	\$941,160	\$934,593	\$6,567	\$58,500	\$876,093	\$	\$
Total (SANDAG)							\$9,414,360	\$9,010,883	\$403,477	\$103,500	\$5,550,783	\$3,356,600	\$-

Group Projects for Pavement Resurfacing and/or Rehabilitation on the State Highway System - Highway Maintenance Program (CAL194)

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PROJECT ID	PROJECT TITLE	PROJECT DESCRIPTION	LEAD AGENCY	PRIOR YEAR	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total Cost
CAL441	HM 124 - In San Diego - Various Locations - Asphalt Overlay	In San Diego County at various locations. Maintenance asphalt overlay.	Caltrans	\$0	\$1,951,000	\$0	\$0	\$0	\$0	\$1,951,000
Total				\$0	\$1,951,000	\$0	\$0	\$0	\$0	\$1,951,000

Group Projects for Rehabilitation or Reconstruction of Track Structures, Track, and Trackbed in Existing Rights-of-Way - Blue Line Corridor (SAN66)

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Project ID	Lead Agency	Project Title	Project Description	Prior Year	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total Cost
SAN171	San Diego Association of Governments	BL Crossovers & Signals	New crossovers, signaling, fiber optic connections and relocation of catenary poles	\$40,834,900	\$4,000	\$0	\$0	\$0	\$0	\$40,838,900
SAN172	San Diego Association of Governments	BL Station Rehabilitation	Along trolley system from Barrio Logan Station to San Ysidro Station; reconstruct station platforms for low-floor Light Rail Transit vehicles between Barrio Logan and San Ysidro, replace existing shelters. Provides for renewed rail, ties, grade crossings, and repairs substations, wayside slopes and other state of good repair improvements on the Blue Line south of 12th & Imperial.	\$129,877,000	\$3,693,000	\$0	\$0	\$0	\$0	\$133,570,000
SAN173	San Diego Association of Governments	BL Rail Infrastructure	Purchase and install 17 traction power substations (TPSS) and ROW as needed; includes fencing, new power feeds and access development	\$29,233,000	\$473,000	\$0	\$0	\$0	\$0	\$29,706,000
SAN174	San Diego Association of Governments	BL Communications Upgrades	Procure and install communications equip & VMS signs and program central control software to interface with field units; provide fiber optic connected routing for data transmission, closed-circuit television, and provides for data and display of next train coming signs at 35 LRT stations	\$5,952,000	\$27,000	\$0	\$0	\$0	\$0	\$5,979,000
SAN176	San Diego Association of Governments	System Station Platforms	Raise or reconstruct existing platforms to 8 inches above top of rail to accommodate low floor vehicles, a double crossover at America Plaza and replacement of switches and signaling system at Santa Fe Depot	\$69,259,936	\$12,064	\$0	\$0	\$0	\$0	\$69,272,000
Total				\$275,156,836	\$4,209,064	\$0	\$0	\$0	\$0	\$279,365,900

Group Projects for Rehabilitation or Reconstruction of Track Structures, Track, and Trackbed in Existing Rights-of-Way - Coastal Rail Corridor (SAN114)

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Project ID	Lead Agency	Project Title	Project Description	Prior Year	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total Cost
SAN116	San Diego Association of Governments	Oceanside Station Pass Through Track	Install 3rd track at station to facilitate train passing and improve operations	\$15,180,131	\$10,649,000	\$50,000	\$0	\$0	\$0	\$25,879,131
SAN117	San Diego Association of Governments	Poinsettia Station Improvements	Includes track reconfiguration, intertrack fence, reconstruction of pedestrian loading platforms, signals, and a new grade separated pedestrian crossing	\$11,405,134	\$1,238,000	\$6,610,000	\$2,248,000	\$0	\$0	\$21,501,134
SAN130	San Diego Association of Governments	Carlsbad Village Double Track	Conduct feasibility study of two rail trench alternatives; prepare final environmental document and 30 percent design for 1.0 miles of double track, a new bridge across Buena Vista Lagoon, and new signals	\$2,987,000	\$1,438,000	\$1,255,000	\$0	\$0	\$0	\$5,680,000
SAN149	San Diego Association of Governments	Coaster PE	Preliminary engineering and environmental studies for prioritization of Coaster improvement projects to better define future projects	\$898,846	\$75,000	\$72,000	\$15,000	\$11,154	\$0	\$1,072,000
SAN182	San Diego Association of Governments	San Diego River Bridge	Construct 0.9 miles of double track and new bridge over the San Diego River - construction funds are for phase 1	\$61,253,820	\$3,319,000	\$10,458,000	\$7,369,000	\$0	\$0	\$82,399,820
SAN183	San Diego Association of Governments	Batiquitos Lagoon Double Track	Construct 0.8 miles of double-track and a new bridge over Batiquitos Lagoon	\$6,033,000	\$8,175,000	\$21,482,000	\$16,479,000	\$731,000	\$0	\$52,900,000
SAN30	San Diego Association of Governments	San Dieguito Lagoon Double Track and Platform	prepare final environmental document and design for 2.1 miles of second track and San Dieguito Bridge replacement Project includes construction of a special event platform at the Del Mar Fairgrounds	\$9,130,053	\$340,000	\$0	\$0	\$0	\$0	\$9,470,053
Total				\$106,887,984	\$25,234,000	\$39,927,000	\$26,111,000	\$742,154	\$0	\$198,902,138

Grouped Projects for Bicycle and Pedestrian Facilities - Bayshore Bikeway (SAN147)

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Project ID	Lead Agency	Project Title	Project Description	Prior Year	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total Cost
SAN144	San Diego Association of Governments	Bayshore Bikeway Segments 4 and 5	construct 2.8 miles of new bike path with project design and construction separated into two phases consisting of Segment 4 from 32nd Street in San Diego to Vesta Street and Segment 5 from Vesta Street to National City Marina. Toll Credits of \$114 will be used to match federal funds for the CON phase	\$5,204,154	\$1,752,000	\$1,029,000	\$0	\$0	\$0	\$7,985,154
SAN154	San Diego Association of Governments	Bayshore Bikeway - Segment 8B	0.4 miles of class I bike path in the City of Chula Vista	\$901,000	\$642,000	\$1,480,000	\$0	\$0	\$0	\$3,023,000
SAN195	San Diego Association of Governments	Bayshore Bikeway - Barrio Logan	Bayshore Bikeway from 32nd Street and Harbor Drive to Park Blvd. and Harbor Dr. in the City of San Diego	\$823,000	\$1,936,000	\$8,945,000	\$1,867,000	\$0	\$0	\$13,571,000
SAN203	San Diego Association of Governments	Border to Bayshore Bikeway	Construct 8.5 miles of bike lane	\$763,149	\$1,049,000	\$1,330,000	\$9,069,000	\$5,000	\$0	\$12,216,149
Total				\$7,691,303	\$5,379,000	\$12,784,000	\$10,936,000	\$5,000	\$0	\$36,795,303

Grouped Projects for Bicycle and Pedestrian Facilities - Coastal Rail Trail (SAN148)

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Project ID	Lead Agency	Project Title	Project Description	Prior Year	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total Cost
SAN155	San Diego Association of Governments	Coastal Rail Trail San Diego - Rose Creek	Final environmental document and design for 0.8 miles of Class I shared use path (includes new 250-foot long bridge over Rose Creek) and 1.3 miles protected bike lanes along Santa Fe Street.	\$1,953,000	\$12,985,000	\$5,478,000	\$205,000	\$5,000	\$10,000	\$20,636,000
SAN156	San Diego Association of Governments	Coastal Rail Trail - Encinitas	Final environmental document, design and construction for 1.7 miles of bike path and bike lane	\$1,939,000	\$680,000	\$3,004,000	\$510,000	\$0	\$0	\$6,133,000
SAN207	San Diego Association of Governments	Coastal Rail Trail Encinitas: Chesterfield Drive to Solana Beach	Prepare final environmental document for 1.3 miles of bike facilities - on Highway 101 from Chesterfield Drive to north of Ocean Street (Solana Beach City Limit) in Encinitas	\$1,216	\$46,000	\$55,000	\$0	\$0	\$0	\$102,216
Total				\$3,893,216	\$13,711,000	\$8,537,000	\$715,000	\$5,000	\$10,000	\$26,871,216

Grouped Projects for Bicycle and Pedestrian Facilities - San Diego River Trail (SAN196)

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Project ID	Lead Agency	Project Title	Project Description	Prior Year	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total Cost
SAN197	San Diego Association of Governments	San Diego River Trail - Qualcomm Stadium	Design and construct Class 1 bicycle facility.	\$351,000	\$1,518,000	\$417,000	\$0	\$0	\$0	\$2,286,000
SAN198	San Diego Association of Governments	San Diego River Trail - Carlton Oaks Segment	Design 2 miles of new bike path, including connection to Mast Park - along San Diego River from West Hills Parkway to Carlton Hills Boulevard	\$437,288	\$663,000	\$482,000	\$0	\$0	\$0	\$1,582,288
Total				\$788,288	\$2,181,000	\$899,000	\$0	\$0	\$0	\$3,868,288

**Grouped Projects for Operating Assistance - FTA Section 5310
Enhanced Mobility of Seniors and Individuals with Disabilities (SAN213)**

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Project ID	Lead Agency	Project Title	Project Description	Prior Year	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total Cost
LAM27	La Mesa, City of	Rides4Neighbors	City of La Mesa - Volunteer Driver Transportation Service - develop, coordinate, and implement new service provide assistance for essential medial shopping needs	\$0	\$200,000	\$0	\$0	\$0	\$0	\$200,000
SAN185	San Diego Association of Governments	FACT - RideFact	Provide a "one stop" transportation solution for seniors and persons with disabilities to reach medical appointments and other related services – operating trip reimbursement	\$0	\$200,000	\$0	\$0	\$0	\$0	\$200,000
SAN70	San Diego Association of Governments	Jewish Family Services - Volunteer Driver Transportation/ Rides and Smiles	Volunteer driver program that offers personal transportation to seniors and disabled	\$0	\$441,733	\$0	\$0	\$0	\$0	\$441,733
Total				\$0	\$841,733	\$0	\$0	\$0	\$0	\$841,733

Grouped Projects for Capital Purchase - FTA Section 5310
Enhanced Mobility of Seniors and Individuals with Disabilities (SAN214)

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Project ID	Lead Agency	Project Title	Project Description	Prior Year	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total Cost
SAN139	San Diego Association of Governments	FACT MedAccessRide	Expand mobility management services by purchasing an accessible vehicle to provide medical transportation for persons with disabilities beyond the service area covered by ADA paratransit	\$0	\$30,000	\$0	\$0	\$0	\$0	\$30,000
SAN168	San Diego Association of Governments	FACT Mobility Management	Maintain FACT's existing mobility management services throughout San Diego County	\$0	\$85,151	\$0	\$0	\$0	\$0	\$85,151
Total				\$0	\$115,151	\$0	\$0	\$0	\$0	\$115,151

Grouped Projects for Bicycle and Pedestrian Facilities - North Park/Mid-City Bikeways (SAN227)

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Project ID	Lead Agency	Project Title	Project Description	Prior Year	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total Cost
SAN158	San Diego Association of Governments	North Park/Mid-City Bikeways: Robinson Bikeway	Complete final design and construct 0.2 miles of bikeway that consists of on-street bike facilities, traffic calming improvements, and an elevated shared-use path.	\$4,215,724	\$709,000	\$1,473,000	\$5,000	\$0	\$0	\$6,402,724
SAN229	San Diego Association of Governments	North Park/Mid-City Bikeways: Landis Bikeway	Final design and construct 3 miles of bikeway consisting of on-street bike facilities and traffic calming improvements - In the City of San Diego communities of North Park and City Heights on Landis Street, Swift Avenue, Wightman Street, and 35th Street between Alabama Street and Chamoune Avenue	\$0	\$736,000	\$3,730,000	\$5,000	\$0	\$0	\$4,471,000
SAN230	San Diego Association of Governments	North Park/Mid-City Bikeways: Howard-Orange Bikeway	Final design for 3.7 miles of bikeway consisting of on-street bike facilities and traffic calming improvements - In the City of San Diego communities of North Park and City Heights on Howard Avenue, Orange Avenue, Estrella Avenue, Polk Avenue and Winona Avenue between Park Boulevard and Winona Avenue	\$0	\$304,000	\$55,000	\$0	\$0	\$0	\$359,000
SAN232	San Diego Association of Governments	North Park/Mid-City Bikeways: University Bikeway	Final design for 2.5 miles of on-street protected bikeway - In the City of San Diego communities of City Heights and Eastern Area on University Avenue between Winona Avenue and 70th Street	\$0	\$340,000	\$86,000	\$0	\$0	\$0	\$426,000
SAN233	San Diego Association of Governments	North Park/Mid-City Bikeways: Georgia-Meade Bikeway	Final design and construct 3.5 miles of urban bikeways including traffic calming improvements - Within the City of San Diego communities of North Park, Normal Heights, and Kensington: along Meade Avenue from Park Boulevard to 44th Street; Georgia Street between Robinson Avenue and Howard Avenue; Howard Avenue between Georgia Street and Florida Street; and Florida Street between Howard Avenue and Meade Avenue	\$0	\$824,000	\$6,744,000	\$826,000	\$0	\$0	\$8,394,000
SAN238	San Diego Association of Governments	North Park/Mid-City Bikeways: Monroe Bikeway	Final design for 1.3 miles of urban bikeways, including traffic calming improvements.	\$0	\$266,000	\$67,000	\$0	\$0	\$0	\$333,000
Total				\$4,215,724	\$3,179,000	\$12,155,000	\$836,000	\$0	\$0	\$20,385,724

Grouped Projects for Bicycle and Pedestrian Facilities - Uptown Bikeways (SAN228)

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Project ID	Lead Agency	Project Title	Project Description	Prior Year	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total Cost
SAN160	San Diego Association of Governments	Uptown Bikeways: Fourth and Fifth Avenue Bikeways	Construct three miles of new on-street bikeways.	\$4,742,000	\$3,084,000	\$13,480,000	\$20,000	\$0	\$0	\$21,326,000
SAN234	San Diego Association of Governments	Uptown Bikeways: Eastern Hillcrest Bikeways	Construct 1 mile of on-street bikeway - University Avenue east of SR 163 and connecting to the North Park/Mid-City Bikeways	\$0	\$1,011,000	\$4,358,000	\$10,000	\$0	\$0	\$5,379,000
SAN235	San Diego Association of Governments	Uptown Bikeways: Washington Street and Mission Valley Bikeways	Final design for 2.6 miles of on street bikeways - Washington Street from the Washington Street Trolley Station to Ibis Street and Bachman Place to the San Diego River Trail in Mission Valley	\$0	\$1,169,000	\$51,000	\$0	\$0	\$0	\$1,220,000
SAN236	San Diego Association of Governments	Uptown Bikeways: Mission Hills and Old Town Bikeways	Final design of 1.8 miles of on-street bikeways - University Avenue between Ibis Street and Albatross Street in Mission Hills and between Five Points and Old Town along San Diego Avenue and Congress Street in the City of San Diego	\$0	\$346,000	\$12,000	\$0	\$0	\$0	\$358,000
SAN237	San Diego Association of Governments	Uptown Bikeways: Park Boulevard Bikeway	Preliminary engineering for 1.7 miles of on-street bikeways - Park Boulevard between Robinson Avenue and Village Place in the City of San Diego	\$0	\$398,000	\$170,000	\$0	\$0	\$0	\$568,000
Total				\$4,742,000	\$6,008,000	\$18,071,000	\$30,000	\$0	\$0	\$28,851,000

Grouped Projects for TransNet - Smart Growth Incentive Program (V10)

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Project ID	Lead Agency	Project Title	Project Description	Prior Year	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total Cost
EL33	El Cajon, City of	El Cajon Transit Center Transit-Supportive Land Use and Mobility Plan	The project would comprehensively analyze the study area surrounding the El Cajon Transit Center to plan a new vision for the area to include transit-supportive land use, improved mobility options, and an enhanced public realm which will result in a general plan amendment, rezone, and specific plan to facilitate smart growth development, mobility improvements, and public facilities	\$54,500	\$375,666	\$39,834	\$0	\$0	\$0	\$470,000
ESC44	Escondido, City of	Escondido Transit Center Active Transportation Connections	The project connects the ETC to grocery, commercial, residential and office centers to the west by constructing a bridge for pedestrians over the Spruce Street Creek and by providing bike lanes between Tulip and Quince Street with connection of the ETC to the Mercado/Grand Avenue Smart Growth Project Area to the southeast with bike lanes along Quince Street.	\$26,500	\$282,500	\$320,333	\$640,667	\$0	\$0	\$1,270,000
IB17	Imperial Beach, City of	Palm Avenue Mixed-Use & Commercial Corridor Master Plan - Rainbow to Delaware Construction Drawings	Design and development of street improvement plans for the Palm Avenue Mixed Use and Commercial Corridor Master Plan Project, this project will take the plans from 30 percent level to 100 percent construction drawings for the project area (West End Sector)	\$276,000	\$224,000	\$0	\$0	\$0	\$0	\$500,000
LAM47	La Mesa, City of	North Spring Street Smart Growth Corridor	Enhancements include A vital pedestrian connection at I-8 with ADA ramps, high visibility cross walks, lighting, & safety fencing; A Class III bicycle route with sharrows markings along the corridor; A pedestrian railroad crossing connecting Spring Street to a proposed private development, new sidewalk along Nebo Drive, and a new pedestrian crossing at Nebo Drive and University Avenue - providing a linkage to the regional transit center and civic services located downtown.	\$106,500	\$128,500	\$1,408,818	\$262,182	\$0	\$0	\$1,906,000
LG21	Lemon Grove, City of	Main Street Promenade Extension Planning Project	Use existing public rights-of-way to support and enhance the north/south movement of pedestrians and bicyclists through shared circulation of bicycles, pedestrians, and vehicles and encourage interaction, improve health and create pedestrian and bicycle amenities	\$378,662	\$21,338	\$0	\$0	\$0	\$0	\$400,000

Grouped Projects for TransNet - Smart Growth Incentive Program (V10)

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Project ID	Lead Agency	Project Title	Project Description	Prior Year	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total Cost
LG22	Lemon Grove, City of	Lemon Grove Avenue Realignment Project (SGIP)	Realigns and reconstructs segments of Lemon Grove and North Avenues, trolley/railroad crossing and the LGA State Route 94 (SR 94) entrance/exit	\$2,505,000	\$2,500,000	\$0	\$0	\$0	\$0	\$5,005,000
LG23	Lemon Grove, City of	Broadway Downtown Village Specific Plan (DVSP) Expansion	The expansion would consider promoting mixed-use with increased residential densities and commercial intensities within the proposed boundaries consistent with the adopted Downtown Village Specific Plan.	\$15,000	\$157,500	\$52,500	\$0	\$0	\$0	\$225,000
NC23	National City, City of	Westside Mobility Improvement Project	enhance bicycling and pedestrian connections in the Downtown and Westside Specific Plan areas and encourage smart growth development through the following improvements: completing the missing Class II bicycle facilities, bicycle racks, trash/recycling receptacles, intersection curb bulb-outs at key intersections, ADA-compliant curb ramps at intersections with improved crosswalks, traffic circles at ten intersections, public art within the traffic circles, decorative street lighting along the Wilson Avenue and 14th Street community corridors, and communications support system.	\$125,000	\$1,122,500	\$952,500	\$0	\$0	\$0	\$2,200,000
NC24	National City, City of	Downtown Specific Plan Update	The Downtown Specific Plan Update will provide an overall update to the original plan adopted in 2005. The plan will incorporate new elements related to Smart Growth, specifically Transportation Demand Management and parking policies.	\$64,833	\$305,167	\$0	\$0	\$0	\$0	\$370,000
NC25	National City, City of	Downtown-Westside Wayfinding and Community Gateways	The project includes the installation of new wayfinding/gateway signs throughout the Downtown and Westside Communities. The goal of the primarily pedestrian-oriented signs is to direct area residents, visitors, and workers to popular destinations, schools, transit stations, and parks	\$80,000	\$759,444	\$185,556	\$0	\$0	\$0	\$1,025,000
O42	Oceanside, City of	Seagaze Drive Downtown Mobility Project	This project will enhance the quality of Seagaze Drive and provide much needed continuity with Mission Avenue through innovative smart growth supporting infrastructure including: pedestrian bulb-outs, ADA ramps with truncated domes, rectangular rapid flashing beacons, enhanced crosswalks, and a raised pork-chop median	\$18,400	\$402,097	\$0	\$0	\$0	\$0	\$420,497

**Grouped Projects for TransNet -
Smart Growth Incentive Program (V10)**

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Project ID	Lead Agency	Project Title	Project Description	Prior Year	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total Cost
SD227	San Diego, City of	Morena Boulevard Station Area Study Phase 2	This Project will support the Mid-Coast Trolley Line and the future development of the Project Area by encouraging mixed-use transit-oriented development surrounding the existing and planned trolley stations, and enhancing multi-modal connectivity and access for pedestrians, bicyclists, and transit riders.	\$216,449	\$127,551	\$56,000	\$0	\$0	\$0	\$400,000
SD228	San Diego, City of	The Complete Boulevard Planning Study	Multi-modal mobility infrastructure improvements within the Little Saigon primary study area along the soon-to-be completed Boulevard Rapid Bus line by creating more walkable, bikeable, and transit-friendly locations along the Rapid Bus route	\$121,304	\$50,313	\$0	\$0	\$0	\$0	\$171,617
SD231	San Diego, City of	East Village Green/14th Street Promenade Master Plan	Development of a Master Plan for East Village Green, a 4.1-acre park and a concept plan/preliminary engineering for the 14th Street Promenade, a linear park traversing East Village from City College to Barrio Logan	\$287,204	\$12,796	\$0	\$0	\$0	\$0	\$300,000
SD238	San Diego, City of	San Ysidro Wayfinding Signs	The project includes the design and installation of wayfinding signs in the San Ysidro Port of Entry District to improve the area's mobility and respond to changes in the configuration of the Port of Entry	\$32,000	\$318,000	\$0	\$0	\$0	\$0	\$350,000
SD239	San Diego, City of	Grantville Trolley Station/Alvarado Creek Enhancement Project	Planning project to speed up the recovery of the creek by transforming it into an amenity that serves as a catalyst project to spark redevelopment. By restoring the channel to a naturalized creek with bridges and walking/cycling trails, the pedestrian and bicycle experience between future TODs and the transit stop will be greatly enhanced.	\$89,000	\$388,000	\$23,000	\$0	\$0	\$0	\$500,000
SD240	San Diego, City of	6th Avenue Bridge Promenade Feasibility and Conceptual Design	The project will complete a Feasibility and Conceptual Design study for an enhanced pedestrian connection between Downtown and Bankers Hill/Balboa Park and includes an enhanced pedestrian pathway or promenade from Downtown to Balboa Park with treatments such as widened sidewalks, landscaping, benches, and trellises, which will be accomplished by removing a northbound parking lane and travel lane along Sixth Avenue.	\$5,000	\$241,500	\$3,500	\$0	\$0	\$0	\$250,000

**Grouped Projects for TransNet -
Smart Growth Incentive Program (V10)**

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Project ID	Lead Agency	Project Title	Project Description	Prior Year	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total Cost
SD241	San Diego, City of	Pacific Beach Greenways, Parks and Transit	The study effort will include the creation of public open spaces, multi-modal infrastructure improvements that improve safety for all modes of travel and expand beach access, improvements to the beach boardwalk, and integration of arts and culture in urban design.	\$50,000	\$140,000	\$250,000	\$0	\$0	\$0	\$440,000
SD242	San Diego, City of	Kearny Mesa Smart Growth Employment Area Plan	The Kearny Mesa Smart Growth Employment Area Plan will produce an updated land use and zoning strategy to expand employment potential of the Project Area and allow complementary residential uses in a mixed-use context.	\$55,051	\$544,949	\$0	\$0	\$0	\$0	\$600,000
SD243	San Diego, City of	14th Street Pedestrian Promenade Demonstration Block	Design and construction of the first block of the 14th Street Promenade adjacent to the San Diego Police Headquarters. The promenade would create an approximately 30-foot wide pedestrian promenade/linear park by eliminating a parking lane and narrowing two travel lanes.	\$28,250	\$206,750	\$1,015,000	\$0	\$0	\$0	\$1,250,000
VISTA52	Vista, City of	Vista Downtown Specific Plan Intersection Improvements CIP 8251	The project conducted traffic analysis to determine improvement needs at various intersections in the vicinity of downtown to address reduced traffic capacity on S. Santa Fe Avenue from Paseo Santa Fe street improvements project. Based on the analysis, three intersections were found to have significant impacts. The analysis improvements developed mitigation improvements at three intersections. Design of the intersection improvements is complete and construction is scheduled to begin.	\$168,383	\$700,000	\$0	\$0	\$0	\$0	\$868,383
VISTA54	Vista, City of	Paseo Santa Fe Phase II	A complete and livable streets revitalization project that includes a road diet that will reduce the street width from five lanes to two lanes; install new curbs, gutters, and enhanced sidewalks; construction of roundabouts at key intersections; and, install decorative elements such as landscaping, street lights, street signs, and pedestrian furniture.	\$336,000	\$3,750,000	\$6,014,000	\$2,200,000	\$0	\$0	\$12,300,000
Total				\$5,039,036	\$12,758,571	\$10,321,041	\$3,102,849	\$0	\$0	\$31,221,497

Grouped Projects for TransNet - Bicycle and Pedestrian Facilities (V12)

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Project ID	Lead Agency	Project Title	Project Description	Prior Year	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total Cost
CHV53	Chula Vista, City of	Bikeway Master Plans	Update the Citywide Bikeway Master Plan and prepare a bikeway feasibility study for Broadway	\$202,570	\$97,430	\$0	\$0	\$0	\$0	\$300,000
CHV76	Chula Vista, City of	F Street Promenade Streetscape Master Plan	Prepare a streetscape master plan based on complete streets principles and produce preliminary design drawings for a 1.25 mile segment of F Street from Third Avenue to Bay Boulevard - SANDAG Board approved TransNet/ATP swap on November 21, 2014 for \$491,000	\$193,500	\$238,000	\$44,625	\$14,875	\$0	\$0	\$491,000
CNTY87	San Diego County	County of San Diego - Active Transportation Plan	Prepare a comprehensive master plan and policy document for the unincorporated county area to guide the development and maintenance of active transportation infrastructure and supportive programs - SANDAG Board approved TransNet/ATP swap on November 21, 2014 for \$500,000	\$122,881	\$377,119	\$0	\$0	\$0	\$0	\$500,000
ESC43	Escondido, City of	Escondido Creek Bikeway Missing Link	Construct Class I and Class II bike facilities that connect the Escondido Creek Trail and Inland Rail Trail - SANDAG Board approved TransNet/ATP swap on November 21, 2014 for \$1,092,000	\$50,000	\$122,000	\$630,908	\$289,092	\$0	\$0	\$1,092,000
IB16	Imperial Beach, City of	Bikeway Village Bayshore Bikeway Access Enhancement Project	Construct streetscape improvements and Class II bike facility along 13th Street. Improvements will be implemented in conjunction with the adaptive reuse of two commercial warehouse structures into a commercial/retail-serving "Bikeway Village" - SANDAG Board approved TransNet/ATP swap on November 21, 2014 for \$1,800,000	\$1,000,000	\$600,000	\$200,000	\$0	\$0	\$0	\$1,800,000
NC18	National City, City of	Bicycle Parking Enhancements	Installs bicycle racks throughout National City's bicycle network, providing cyclists with secure and convenient parking for end-of-trip storage. Locations are city-wide. - #1223036	\$54,471	\$5,529	\$0	\$0	\$0	\$0	\$60,000
NC20	National City, City of	Division Street Road Diet	Implement pedestrian improvements and install approximately 1 mile of Class II buffered bike lanes along Division Street - SANDAG Board approved TransNet/ATP swap on November 21, 2014 for \$875,000	\$143,000	\$732,000	\$0	\$0	\$0	\$0	\$875,000
NC21	National City, City of	Euclid Avenue Bicycle and Pedestrian Enhancements	Implement a road diet and provide approximately 1.7 miles of Class II buffered bike lane along Euclid Avenue between Cerevantes Avenue and East 24th Street - SANDAG Board approved TransNet/ATP swap on November 21, 2014 for \$425,000	\$350,000	\$75,000	\$0	\$0	\$0	\$0	\$425,000

Grouped Projects for TransNet - Bicycle and Pedestrian Facilities (V12)

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Project ID	Lead Agency	Project Title	Project Description	Prior Year	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total Cost
SAN204	San Diego Association of Governments	Central Avenue Bikeway	Final environmental document and design for 1.2 miles of new bikeways - On and along Terrace Drive and Central Avenue from Adams Avenue to Landis Street	\$427,000	\$420,000	\$57,000	\$0	\$0	\$0	\$904,000
SAN205	San Diego Association of Governments	Pershing Bikeway	Prepare environmental document and preliminary engineering for new bicycle facilities between North Park and Downtown San Diego and in Balboa Park between Park Boulevard and 4th Avenue - Along the Pershing Drive corridor from Landis Street to B Street and across Balboa Park from Park Boulevard to 4th Avenue via El Prado and Laurel Streets in the City of San Diego	\$496,000	\$913,000	\$291,000	\$30,000	\$0	\$0	\$1,730,000
SAN206	San Diego Association of Governments	Downtown to Imperial Avenue Bikeway	Final environmental document for 8 miles of urban on-street bike lane - on Imperial Avenue from 47th Street to Park Boulevard and Downtown San Diego at various locations	\$1,202,000	\$1,810,000	\$1,498,000	\$0	\$0	\$0	\$4,510,000
SD224	San Diego, City of	Downtown Complete Streets Mobility Plan	The plan establishes a comprehensive Complete Streets approach for downtown San Diego, including the reduction of vehicular travel lanes to enable the installation of enhanced pedestrian and bicycle facilities, both within downtown and its surrounding neighborhoods. Project location is south of Laurel Street and I-5; west of the I-5; north of Sigsbee and 16th Streets and San Diego Bay; and east of San Diego Bay. - #1223045	\$565,002	\$34,998	\$0	\$0	\$0	\$0	\$600,000
SD225	San Diego, City of	Linda Vista CATS	Develops a Comprehensive Active Transportation Strategy (CATS) for the Linda Vista Community Planning Area, providing direct and convenient connections to various destinations, while increasing bicyclist and pedestrian safety. The planning area is generally bounded on the south by Friars Road, to the west by I-5, the north by Tecolote Rd. and Mesa College Dr., and on the east by SR 163. - #1223044	\$259,798	\$40,202	\$0	\$0	\$0	\$0	\$300,000
Total				\$5,066,222	\$5,465,278	\$2,721,533	\$333,967	\$0	\$0	\$13,587,000

Grouped Projects for Active Transportation Program (V14)

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Project ID	Lead Agency	Project Title	Project Description	Prior Year	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total Cost
CAL330	Caltrans	SR-15 Commuter Bike Facility	Construct Class 1 bicycle facility	\$14,162,000	\$70,000	\$60,000	\$173,000	\$0	\$0	\$14,465,000
ENC46	Encinitas, City of	El Portal Pedestrian and Bike Underpass	Construct a grade-separated pedestrian and bike underpass beneath the LOSSAN rail corridor, and will provide pedestrian, bike, and crosswalk improvements in order to connect adjacent active transportation routes to the facility. Toll Credits of \$539 will be used to match federal funds for the CON phase	\$0	\$196,000	\$655,000	\$4,549,000	\$0	\$0	\$5,400,000
LAM48	La Mesa, City of	West La Mesa Pedestrian and Bicycle Connectivity Project	Enhance safety in West La Mesa by completing more than 4.8 miles of bicycle and pedestrian enhancements linking four schools and a City park. An educational campaign will further promote active transportation as a viable mode.	\$0	\$450,000	\$25,000	\$2,876,000	\$0	\$0	\$3,351,000
NC26	National City, City of	Sweetwater River Bikeway/30th Street Bicycle Facility Improvements	The project will provide nearly one mile of Class II and Class III bicycle facilities, per the City's Bicycle Master Plan and will include bicycle detector loops, bicycle boxes, and decreased lane widths for vehicles.	\$0	\$190,000	\$50,000	\$914,000	\$0	\$0	\$1,154,000
SD245	San Diego, City of	Euclid+ Market Complete Streets project	Final design and construction of new and expanded sidewalks, new bike facilities, and added crosswalks, medians, and curb extensions to slow and calm traffic.. Toll Credits of \$460 will be used to match federal funds for the CON phase	\$0	\$1,855,000	\$4,135,000	\$0	\$0	\$0	\$5,990,000
SD246	San Diego, City of	Chollas Creek, Oak Park Branch Trail	Preliminary Engineering and Construction for a 2.3 mile multi-use recreation and active transportation trail with two bridges, informational kiosks, and stairs and fencing where needed	\$0	\$193,000	\$760,000	\$0	\$0	\$0	\$953,000
Total				\$14,162,000	\$2,954,000	\$5,685,000	\$8,512,000	\$0	\$0	\$31,313,000

Grouped Projects for Operating Assistance - TransNet Senior Mini-Grant Program - (V16)

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Project ID	Lead Agency	Project Title	Project Description	Prior Year	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total Cost
COR20	Coronado, City of	Coronado Seniors Out and About Volunteer Driver Program	The services will include a volunteer driver program that will allow seniors to schedule a ride to help them access destinations	\$59,973	\$50,028	\$0	\$0	\$0	\$0	\$110,001
O34	Oceanside, City of	Oceanside Senior Shuttle Program	provide seniors with the following transportation options: curb-to-curb taxi scrip subsidies, door-to-door shuttle services, and doorthrough-door volunteer driver services	\$477,556	\$250,000	\$0	\$0	\$0	\$0	\$727,556
SAN194	San Diego Association of Governments	Mountain Health and Community	volunteer driver program assists seniors and individuals with disabilities in accessing vital services and resources	\$148,923	\$66,903	\$0	\$0	\$0	\$0	\$215,826
SAN219	San Diego Association of Governments	Independent Transportation Network (ITN) Greater San Diego	Providing individualized transportation services to South County, a region not currently served by the ITN (Independent Transportation Network) model.	\$73,172	\$33,568	\$0	\$0	\$0	\$0	\$106,740
SAN87	San Diego Association of Governments	for ElderHelp - Volunteer Driver Program	Expand existing program	\$1,025,482	\$116,648	\$0	\$0	\$0	\$0	\$1,142,130
SAN90	San Diego Association of Governments	for Peninsula Shepherd Senior Center - Volunteer Drive Program	Provide shuttle program and distribute senior transportation option brochure	\$336,557	\$65,000	\$0	\$0	\$0	\$0	\$401,557
SAN92	San Diego Association of Governments	for Travelers Aid Society - SeniorRide	Provide taxi voucher program volunteer driver program and develop ride sharing program for low- and fixed-income seniors	\$915,076	\$248,169	\$0	\$0	\$0	\$0	\$1,163,245
VISTA44	Vista, City of	City of Vista - Out and About	A senior transportation service to provide affordable, accessible and flexible transportation throughout the community	\$500,273	\$132,714	\$0	\$0	\$0	\$0	\$632,987
Total				\$3,537,012	\$963,030	\$0	\$0	\$0	\$0	\$4,500,042

Grouped Projects for *TransNet*
Active Transportation Grant Program (ATGP) (V17)

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Project ID	Lead Agency	Project Title	Project Description	Prior Year	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total Cost
CB45	Carlsbad, City of	Carlsbad Boulevard and Tamarack Avenue Pedestrian Improvement Project	In Carlsbad, at the intersection of Carlsbad Blvd and Tamarack Avenue, reconfigure the intersection and the approaches to the intersection and provide enhanced facilities for pedestrians, transit users and bicyclists; SANDAG approved TransNet/ATP swap on October 23, 2015	\$17,000	\$2,102,000	\$289,706	\$491,294	\$0	\$0	\$2,900,000
CHV81	Chula Vista, City of	Walk + Bike Chula Vista Education Encouragement Awareness Campaign	The Walk+Bike Chula Vista Education Encouragement Awareness Campaign creates a unique partnership between the City of Chula Vista, Circulate San Diego, and the San Diego County Bicycle Coalition (SDCBC) to help build a positive multimedia campaign, coordinate and promote new walking and biking infrastructure projects to increase awareness on bicycle and pedestrian access, educate businesses and residents, and promote alternative transportation choices and improved safety in Chula Vista.	\$43,333	\$76,667	\$0	\$0	\$0	\$0	\$120,000
COR21	Coronado, City of	Comprehensive Active Transportation Strategy	The Coronado Comprehensive Active Transportation Strategy (CATS) will help develop a complete multi-modal transportation network in Coronado that accommodates the needs of all users and modes.	\$26,250	\$116,750	\$37,000	\$0	\$0	\$0	\$180,000
EL34	El Cajon, City of	Be Safe	Circulate San Diego and the City of El Cajon will initiate a multi-media, multi-lingual, multi-modal, and multi-faceted education, encouragement and awareness campaign to encourage active transportation and pedestrian safety for residents.	\$0	\$28,400	\$26,600	\$0	\$0	\$0	\$55,000
ESC45	Escondido, City of	Escondido Creek Trail Signalized Bike/Ped Crossing at El Norte Parkway Project	Provide active transportation connectivity for the Escondido Creek Trail by installing a pedestrian signal and pedestrian refuge across El Norte Parkway, including a decorative trail overhead signage structure in addition to a bridge across Escondido Creek	\$5,001	\$40,000	\$162,667	\$467,333	\$0	\$0	\$675,001
NC27	National City, City of	National City Bicycle Parking Enhancements	The Project will install bicycle racks throughout National City's bicycle network. The bicycle racks will provide cyclists with safe, secure, and convenient parking for end-of-trip storage and enhance regional and local bicycle networks.	\$10,000	\$50,000	\$0	\$0	\$0	\$0	\$60,000

Grouped Projects for *TransNet*
Active Transportation Grant Program (ATGP) (V17)

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Project ID	Lead Agency	Project Title	Project Description	Prior Year	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total Cost
NC28	National City, City of	Citywide Midblock Crossing Enhancements Project	The project will generally provide additional pedestrian level lighting enhancements at 14 existing midblock pedestrian crossing locations throughout the City; Specific improvements will include new solar‐powered lights at 10 intersections and curb bulbouts, enhanced crosswalk striping, and upgrades to curb ramp to be ADA‐compliant at 4 intersections.	\$0	\$125,000	\$500,000	\$0	\$0	\$0	\$625,000
O43	Oceanside, City of	Bike/Bus Safety Public Outreach Project	Create and install public service messages (aka bus wraps) on 15 buses to: (1) educate the public on the meaning of "Sharrows" and (2) alert cyclists to the danger of attempting to pass buses on the right side.	\$40,000	\$60,000	\$0	\$0	\$0	\$0	\$100,000
SB17	Solana Beach, City of	Stevens/Valley Avenue Corridor – Bicycle and Pedestrian Improvement Project	This project will enhance the use of the existing roadway for all users by reducing the number of lanes on Stevens/Valley Avenue in order to provide for bike lanes along all of Stevens/Valley Avenue; to construct sidewalks in missing locations; to provide enhanced crosswalks; to construct curb ramps consistent with current standards; and to provide traffic calming features to slow down traffic.	\$20,833	\$374,167	\$355,500	\$0	\$0	\$0	\$750,500
SD244	San Diego, City of	Euclid and Market Complete Streets Master Plan	The project will produce, with community involvement, a Complete Streets Master Plan for the Euclid and Market Community Center.	\$16,371	\$383,631	\$0	\$0	\$0	\$0	\$400,002
SNT24	Santee, City of	Riverwalk Crossing	The project will install new concrete bulbouts, pedestrian ramps, pedestrian warning signage, a new ladder crosswalk and enhanced area lighting. It will also add parking lanes to narrow the lanes and add sharrows down the length of the project.	\$8,000	\$28,850	\$202,775	\$1,376	\$0	\$0	\$241,001
SNT25	Santee, City of	Citywide Bike Lanes	Fanita Parkway from Mast Boulevard to Carlton Oaks Boulevard; Cuyamaca Street from Riverpark Drive to Mast Boulevard; El Nopal from Magnolia Avenue to eastern City limits; Fanita Drive from Prospect Avenue to southern City limits; Riverview Parkway from Mission Gorge Road to Town Center Boulevard; Woodside Avenue North from SR 67 offramp to eastern City limits.	\$14,500	\$141,500	\$0	\$0	\$0	\$0	\$156,000
Total				\$201,288	\$3,526,965	\$1,574,248	\$960,003	\$0	\$0	\$6,262,504

Appendix A-2

Non-Carry Over Projects from 2014 Regional Transportation Improvement Program

Appendix A-2

Non-Carryover Projects from 2014 Regional Transportation Improvement Program

SANDAG has a practice for Regional Transportation Improvement Program (RTIP) project listing wherein the status for each project from the previous RTIP is identified. If a project does not show any funding during the RTIP cycle – for the 2016 RTIP, FY 2016/17 to FY 2020/21 – then that project is considered non-active for purposes of programming. However, the sponsor agency may still consider the project active because there are ongoing activities. In order to still show these projects, SANDAG has provided certain status designations as follows for purposes of programming; sponsor agency designations may differ:

- ▶ **Completed:** the project opened to traffic or has begun construction; for federally funded projects, the project funding has been obligated; for state funded projects, the funding has been allocated.
- ▶ **Delayed:** (1) project is ongoing but using prior year funding, or (2) the agency has determined there are other higher priority projects. Under either scenario, the project may be brought back into the RTIP as appropriate.
- ▶ **Deleted:** indicates that the agency has decided to no longer pursue the project and requested the project be deleted from the program.

Certain grouped projects or lump sum projects such as the State Highway Operations and Protection Program show up as completed in this appendix, but the same project titles may show up in Chapter 3 in the current 2016 RTIP. These completed grouped projects represent those projects within the lump sum that are complete while those that are continuing on or any new projects that were added to the lump sum are shown in Chapter 3.

The following list of projects falls under one of the above categories.

Table A-2 - Completed/Deleted/Delayed Projects
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

California Trail User Coalition

COMPLETED

MPO ID: CTUC01							ADOPTION: 16-00			
Project Title: Cleveland National Forest & Ocotillo SVRA 1st Trail Map (part of Lump Sum V12)										
Project Description: From to - Composition and printing of an Cleveland National Forest & Ocotillo OHV trail map. Project Number RTM-15-006										
Capacity Status: NCI Exempt Category: Air Quality - Bicycle and pedestrian facilities										
Est Total Cost: \$31										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
RTP	\$27	\$27								\$27
Local Funds	\$4	\$4								\$4
TOTAL	\$31	\$31								\$31

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Table A-2 - Completed/Deleted/Delayed Projects
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

Caltrans

COMPLETED

MPO ID: CAL146							ADOPTION: 16-00				
Project Title:		San Diego at Carmel Mtn Rd - Retrofit permanent treatment BMP's slope stabilization (part of Lump Sum CAL46I)					EA NO: 28230				
							PPNO: 0909				
Project Description:		From Carmel Mountain Road to Carmel Mountain Road - In the City of San Diego, at 0.1 miles south of Carmel Mountain Road; retrofit permanent treatment BMP's slope stabilization.									
RT:5		Capacity Status: NCI		Exempt Category: Other - Noise attenuation							
Est Total Cost: \$2,251											
		TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
SHOPP (AC)-Mandates		\$2,251	\$2,251						\$578	\$31	\$1,642
TOTAL		\$2,251	\$2,251						\$578	\$31	\$1,642

COMPLETED

MPO ID: CAL151										ADOPTION: 16-00		
Project Title:		Pine Valley Drainage Improvements (part of Lump Sum CAL46I)							EA NO: 26041			
Project Description:		From Rte 79 to Rte 79 - Near Pine Valley, from Route 79 to 1.3 miles east of Route 79. Construct drainage improvements.							PPNO: 0651			
		Capacity Status: NCI		Exempt Category: Other - Noise attenuation								
Est Total Cost: \$7,394												
		TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON	
SHOPP (AC)-Mandates		\$7,394	\$7,394						\$1,313	\$2	\$6,079	
TOTAL		\$7,394	\$7,394						\$1,313	\$2	\$6,079	

COMPLETED

MPO ID: CAL277							ADOPTION: 16-00				
Project Title:		I-15/SR-78 HOV Connectors					EA NO: 2T241				
Project Description:		SR-78 from Post Mile 15.49 to R16.6 , I-15 from Post Mile R30.63 to R31.56 - PSR/PDS for northbound I-15 to westbound SR-78 and eastbound SR-78 to southbound I-15 HOV connectors					RTP PG NO: A-19 SANDAG ID: 1207802				
RT:15		Capacity Status: NCI		Exempt Category: Other - Engineering studies							
Est Total Cost: \$817											
		TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - MC		\$817	\$817						\$817		
TOTAL		\$817	\$817						\$817		

COMPLETED

MPO ID: CAL287								ADOPTION: 16-00		
Project Title:		In and near Poway (part of Lump Sum CAL46B)						EA NO: 40320		
Project Description:		From to - In and near Poway, from 0.2 mile south of Winter Gardens Boulevard Overcrossing to Shady Oaks Drive. Install median channelizers. (PM R4.6/19.0)						PPNO: 0670		
RT:67		Capacity Status: NCI		Exempt Category: Safety - Guardrails, median barriers, crash cushions						
Est Total Cost: \$47,823										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
SHOPP - CR - STP (AC)		\$47,823	\$47,823					\$3,491	\$83	\$44,249
TOTAL		\$47,823	\$47,823					\$3,491	\$83	\$44,249

Tuesday, September 20, 2016

Table A-2 - Completed/Deleted/Delayed Projects
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

Caltrans

COMPLETED

MPO ID: CAL288							ADOPTION: 16-00				
Project Title:		San Diego County - bridge rail end treatments (part of Lump Sum CAL46B)					EA NO: 40640				
							PPNO: 1029				
Project Description:		Various - In San Diego County, on various Routes at various locations. Upgrade bridge rail end treatments.									
		Capacity Status: NCI		Exempt Category: Safety - Guardrails, median barriers, crash cushions							
Est Total Cost: \$8,204											
		TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
SHOPP - CR - STP (AC)		\$8,204	\$8,204						\$1,553	\$5	\$6,646
TOTAL		\$8,204	\$8,204						\$1,553	\$5	\$6,646

COMPLETED

MPO ID: CAL289								ADOPTION: 16-00		
Project Title:	San Diego County - bridge rail end treatments at various locations (part of Lump Sum CAL46B)						EA NO: 40760 PPNO: 1045			
Project Description:	Various locations - In San Diego County, at various locations; upgrade nonstandard bridge rail end treatments to current standards.									
Capacity Status: NCI		Exempt Category: Safety - Guardrails, median barriers, crash cushions								
Est Total Cost: \$7,699										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
SHOPP - CR - STP (AC)	\$7,699	\$7,699						\$1,452	\$245	\$6,002
TOTAL	\$7,699	\$7,699						\$1,452	\$245	\$6,002

COMPLETED

MPO ID: CAL290								ADOPTION: 16-00		
Project Title:		San Diego County - 94, 125, and 805 Seismic retrofit (part of Lump Sum CAL46D)						EA NO: 29920		
								PPNO: 1053		
Project Description:		Various 94, 125, and 805 - In San Diego County, on Routes 94, 125, and 805 at various locations. Seismic retrofit 7 bridges and bridge rail upgrade.								
RT:94		Capacity Status: NCI		Exempt Category: Safety - Non capacity widening or bridge reconstruction						
Est Total Cost: \$12,210										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
SHOPP (AC)-Brdg Presrv (HBP)		\$12,210	\$12,210					\$1,707	\$93	\$10,410
TOTAL		\$12,210	\$12,210					\$1,707	\$93	\$10,410

COMPLETED

MPO ID: CAL292								ADOPTION: 16-00		
Project Title:	San Diego & Imperial County, install and upgrade curb ramps (part of Lump Sum CAL46I)						EA NO: 41060 PPNO: 1060			
Project Description:	Various locations - In San Diego County, on Routes 5, 54, 75, and 78 and in Imperial County on Route 115, at various locations. Install and upgrade curb ramps.									
Capacity Status: NCI		Exempt Category: Other - Noise attenuation								
Est Total Cost: \$4,732										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
SHOPP (AC)-Mandates	\$4,732	\$4,732						\$1,464	\$417	\$2,851
TOTAL	\$4,732	\$4,732						\$1,464	\$417	\$2,851

Tuesday, September 20, 2016

Table A-2 - Completed/Deleted/Delayed Projects
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

Caltrans

COMPLETED

MPO ID: CAL298							ADOPTION: 16-00				
Project Title:		Samagatuma Creek to Matagual Creek Bridge, replace bridge railings. (part of Lump Sum CAL46D)					EA NO: 40800				
							PPNO: 1066				
Project Description:		Various locations from Samagatuma Creek to Matagual Creek Bridge. - At various locations, from Samagatuma Creek to Matagual Creek Bridge. Replace bridge railing at 4 bridges.									
RT:79		Capacity Status: NCI		Exempt Category: Safety - Non capacity widening or bridge reconstruction							
Est Total Cost: \$3,140											
		TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
SHOPP (AC)-Brdg Presrv (HBP)		\$3,140	\$3,140						\$840	\$22	\$2,278
TOTAL		\$3,140	\$3,140						\$840	\$22	\$2,278

COMPLETED

MPO ID: CAL307								ADOPTION: 16-00		
Project Title:	Encinitas - El Camino Real b/n Santa Fe and Leucadia Blvd.; Encinitas Blvd. b/n El Camino Real and Manchester Ave. (part of Lump Sum CAL105)									
Project Description:	El Camino Real between Santa Fe and Leucadia Blvd., and Encinitas Blvd. between El Camino Real and Manchester Ave. - In Encinitas, at El Camino Real between Santa Fe and Leucadia Blvd., and Encinitas Blvd. between El Camino Real and Manchester Ave., upgrade traffic signals (interconnect).									
Capacity Status: NCI		Exempt Category: Safety - Safety Improvement Program								
Est Total Cost: \$411										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
HSIP	\$370	\$370								\$370
Local Funds	\$41	\$41								\$41
TOTAL	\$411	\$411								\$411

COMPLETED

MPO ID: CAL308								ADOPTION: 16-00		
Project Title:	Encinitas - Traffic signals at Leucadia Blvd., Encinitas Blvd., SR 101, Via Cantebria, and Vulcan Ave. (part of Lump Sum CAL105)									
Project Description:	Intersections at: Leucadia Blvd., Encinitas Blvd., SR 101, Via Cantebria, and Vulcan Ave. - In Encinitas, at traffic signal intersections on the following corridors: Leucadia Blvd., Encinitas Blvd., SR 101, Via Cantebria, and Vulcan Ave., Upgrade traffic signals (interconnect).									
Capacity Status: NCI		Exempt Category: Safety - Safety Improvement Program								
Est Total Cost: \$552										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
HSIP	\$497	\$497						\$497		
Local Funds	\$55	\$55						\$55		
TOTAL	\$552	\$552						\$552		

Tuesday, September 20, 2016

Table A-2 - Completed/Deleted/Delayed Projects
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

Caltrans

COMPLETED

MPO ID: CAL309			ADOPTION: 16-00							
Project Title:	Escondido - East Valley Pkwy. from Beven Dr. to Northern City Limits (part of Lump Sum CAL105)									
Project Description:	East Valley Pkwy. from Beven Dr. to Northern City Limits - In Escondido, at East Valley Pkwy. from Beven Dr. to Northern City Limits, install sidewalk/pathway; add lighting; and improve signal hardware.									
	Capacity Status: NCI		Exempt Category: Safety - Safety Improvement Program							
Est Total Cost: \$1,069										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
HSIP	\$675	\$675								\$675
Local Funds	\$394	\$394								\$394
TOTAL	\$1,069	\$1,069								\$1,069

COMPLETED

MPO ID: CAL310							ADOPTION: 16-00			
Project Title:	La Mesa - Amaya Dr./Amaya Ct.; Center Dr./Entrance #6; La Mesa Blvd./Glen St. (part of Lump Sum CAL105)									
Project Description:	Amaya Dr./Amaya Ct.; Center Dr./Entrance #6; La Mesa Blvd./Glen St. - In La Mesa, at Amaya Dr./Amaya Ct.; Center Dr./Entrance #6; La Mesa Blvd./Glen St., modify traffic signals; install protected left-turn phasing; upgrade curb ramps.									
	Capacity Status: NCI		Exempt Category: Safety - Safety Improvement Program							
Est Total Cost: \$636										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
HSIP	\$572	\$572								\$572
Local Funds	\$64	\$64								\$64
TOTAL	\$636	\$636								\$636

COMPLETED

MPO ID: CAL311					ADOPTION: 16-00						
Project Title:		San Diego - Ulric St. between David St. and Fashion Hills Blvd. (part of Lump Sum CAL105)									
Project Description:		Ulric St. from David St. to Fashion Hills Blvd. - In San Diego, at Ulric St. between David St. and Fashion Hills Blvd., install median barrier and striping; construct sidewalks.									
		Capacity Status: NCI		Exempt Category: Safety - Safety Improvement Program							
Est Total Cost: \$893											
		TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
HSIP		\$804	\$804						\$804		
Local Funds		\$89	\$89						\$89		
TOTAL		\$893	\$893						\$893		

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Table A-2 - Completed/Deleted/Delayed Projects
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

Caltrans

COMPLETED

MPO ID: CAL314							ADOPTION: 16-00			
Project Title:	San Marcos - Various locations on Mulberry Dr., Rose Ranch Rd., Mission Rd., (part of Lump Sum CAL105)									
Project Description:	Various locations on Mulberry Dr., Rose Ranch Rd., Mission Rd., East Barham Dr., Twin Oaks Valley Rd., San Elijo Rd., and South Rancho Santa Fe Rd. - In San Marcos, at various locations on Mulberry Dr., Rose Ranch Rd., Mission Rd., East Barham Dr., Twin Oaks Valley Rd., San Elijo Rd., and South Rancho Santa Fe Rd., install speed feedback signs.									
Capacity Status:		NCI		Exempt Category:		Safety - Safety Improvement Program				
Est Total Cost: \$267										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
HSIP	\$240	\$240								\$240
Local Funds	\$27	\$27								\$27
TOTAL	\$267	\$267								\$267

COMPLETED

MPO ID: CAL315								ADOPTION: 16-00			
Project Title:	San Marcos - Various locations on San Marcos Blvd., South Twin Oaks Valley Rd., San Elijo Rd. (part of Lump Sum CAL105)										
Project Description:	Various locations on San Marcos Blvd., South Twin Oaks Valley Rd., San Elijo Rd., Rancho Santa Fe South, Linda Vista, Barham, Las Posas, Via Vera Cruz. - In San Marcos, at various locations on San Marcos Blvd., South Twin Oaks Valley Rd., San Elijo Rd., Rancho Santa Fe South, Linda Vista, Barham, Las Posas, Via Vera Cruz, upgrade traffic signals (interconnect).										
	Capacity Status: NCI		Exempt Category: Safety - Safety Improvement Program								
Est Total Cost: \$550											
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON	
HSIP	\$495	\$495								\$495	
Local Funds	\$55	\$55								\$55	
TOTAL	\$550	\$550								\$550	

COMPLETED

MPO ID: CAL316							ADOPTION: 16-00				
Project Title:		San Marcos - Various locations throughout the city (part of Lump Sum CAL105)									
Project Description:		Various locations throughout the city. - In San Marcos, at various locations throughout the city, install safety lighting.									
Capacity Status:		NCI		Exempt Category: Safety - Safety Improvement Program							
Est Total Cost: \$447											
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON	
HSIP	\$402	\$402								\$402	
Local Funds	\$45	\$45								\$45	
TOTAL	\$447	\$447								\$447	

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Table A-2 - Completed/Deleted/Delayed Projects
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

Caltrans

COMPLETED

MPO ID: CAL317			ADOPTION: 16-00							
Project Title:			Santee - Various locations throughout the city (part of Lump Sum CAL105)							
Project Description:			Various locations throughout the city. - In Santee, at various locations throughout the city, upgrade signs.							
Capacity Status: NCI			Exempt Category: Safety - Safety Improvement Program							
Est Total Cost: \$255										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
HSIP	\$229	\$229								\$229
Local Funds	\$26	\$26								\$26
TOTAL	\$255	\$255								\$255

COMPLETED

MPO ID: CAL318							ADOPTION: 16-00				
Project Title:	Poway - Slaughter House Canyon Rd. drainage and paving improvements. (part of Lump Sum CAL46B)						EA NO: 41470				
Project Description:	From Slaughter House Canyon Road to 1.9 miles north of Slaughter House Canyon Road - Near Poway, from Slaughter House Canyon Road to 1.9 miles north of Slaughter House Canyon Road. Drainage and paving improvements to reduce wet pavement incidents.						PPNO: 1094				
RT:67	Capacity Status: NCI		Exempt Category: Safety - Safety Improvement Program								
Est Total Cost: \$5,345											
		TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
SHOPP - CR - STP (AC)		\$5,345	\$5,345						\$1,326	\$79	\$3,940
TOTAL		\$5,345	\$5,345						\$1,326	\$79	\$3,940

COMPLETED

MPO ID: CAL319							ADOPTION: 16-00			
Project Title:	El Cajon - Ballantyne St to 0.4 miles east of East Victoria Dr. (part of Lump Sum CAL46B)						EA NO: 41540			
							PPNO: 1093			
Project Description:	From Ballantyne Street to 0.4 mile east of East Victoria Drive - In and near El Cajon, from Ballantyne Street to 0.4 mile east of East Victoria Drive. Enhance existing striping and rumble strips, and upgrade guard railing.									
	Capacity Status: NCI		Exempt Category: Safety - Safety Improvement Program							
Est Total Cost: \$4,851										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
SHOPP - CR - STP (AC)	\$4,851	\$4,851						\$1,071	\$11	\$3,769
TOTAL	\$4,851	\$4,851						\$1,071	\$11	\$3,769

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Table A-2 - Completed/Deleted/Delayed Projects
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

Caltrans

COMPLETED

MPO ID: CAL320							ADOPTION: 16-00				
Project Title:		Oceanside, Vista, San Marcos, Escondido - lighting, barrier, striping, markers. (part of Lump Sum CAL46B)					EA NO: 41570 PPNO: 1095				
Project Description:		In Oceanside, Vista, San Marcos and Escondido, from Route 5 to Route 15. - In Oceanside, Vista, San Marcos and Escondido, from Route 5 to Route 15. Install enhanced lighting and concrete barrier, improve striping, and place markers.									
RT:78		Capacity Status: NCI		Exempt Category: Safety - Pavement marking demonstration							
Est Total Cost: \$13,874											
		TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
SHOPP - CR - STP (AC)		\$13,874	\$13,874						\$1,497	\$11	\$12,366
TOTAL		\$13,874	\$13,874						\$1,497	\$11	\$12,366

COMPLETED

MPO ID: CAL321							ADOPTION: 16-00			
Project Title:	In San Diego County Near Manzanita (Church Road to Kumeyaay Road) (part of Lump Sum CAL46B)						EA NO: 29520			
Project Description:	From Church Road to 0.1 mile west of Kumeyaay Road - In San Diego County Near Manzanita from Church Road to 0.1 mile west of Kumeyaay Road. Realign curve, widen shoulders, and remove fixed objects from clear recovery zone.						PPNO: 0919			
RT:94	Capacity Status: NCI		Exempt Category: Safety - Safety Improvement Program							
Est Total Cost: \$10,356										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
SHOPP - CR - STP (AC)	\$10,356	\$10,356						\$1,738	\$814	\$7,804
TOTAL	\$10,356	\$10,356						\$1,738	\$814	\$7,804

COMPLETED

MPO ID: CAL322							ADOPTION: 16-00			
Project Title:	National City, Chula Vista-access gates, pullouts, gore areas, cabinets, poles. (part of Lump Sum CAL46B)							EA NO: 40960		
Project Description:	National City and Chula Vista, from Route 5 to Route 125. - In San Diego County at various locations. Install access gates, pullouts, pave gore areas, and shield or relocate cabinets and poles to improve safety for maintenance personnel. (PM 0.0/T13.0)							PPNO: 1099		
RT:54	Capacity Status: NCI		Exempt Category: Safety - Safety Improvement Program							
Est Total Cost: \$3,604										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
SHOPP - CR - NHS (AC)	\$3,604	\$3,604						\$910	\$49	\$2,645
TOTAL	\$3,604	\$3,604						\$910	\$49	\$2,645

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Table A-2 - Completed/Deleted/Delayed Projects
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

Caltrans

COMPLETED

MPO ID: CAL323							ADOPTION: 16-00			
Project Title:	San Diego, La Mesa, El Cajon - construct gore areas, crash cushion, guardrail systems, relocate roadside cabinets (part of Lump Sum CAL46B)							EA NO: 40970 PPNO: 1100		
Project Description:	San Diego, La Mesa, and El Cajon from Morena Blvd to south of Greenfield Drive; also on Routes 15 and 163. - In the cities of San Diego, La Mesa, and El Cajon from Morena Boulevard to south of Greenfield Drive; also on Routes 15 and 163 at various locations, construct gore areas and areas beyond the gore paving, concrete barriers, crash cushion and guardrail systems, and relocate roadside cabinets									
RT:8	Capacity Status: NCI		Exempt Category: Safety - Safety Improvement Program							
Est Total Cost: \$4,143										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
SHOPP - CR - NHS (AC)	\$4,143	\$4,143						\$1,070	\$47	\$3,026
TOTAL	\$4,143	\$4,143						\$1,070	\$47	\$3,026

COMPLETED

MPO ID: CAL324								ADOPTION: 16-00		
Project Title:	Oceanside, Vista, San Marcos - access gates, pullouts, gore areas, concrete barrier. (part of Lump Sum CAL46B)							EA NO: 40980		
								PPNO: 1096		
Project Description:	From to - In Oceanside, Vista, and San Marcos, from El Camino Real to West of South Twin Oaks Valley Road at various locations. Install access gates, pullouts, pave gore areas, and construct concrete barrier.									
RT:78	Capacity Status: NCI		Exempt Category: Safety - Safety Improvement Program							
Est Total Cost: \$3,986										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
SHOPP - CR - NHS (AC)	\$3,986	\$3,986						\$923		\$3,063
TOTAL	\$3,986	\$3,986						\$923		\$3,063

COMPLETED

MPO ID: CAL331							ADOPTION: 16-00				
Project Title:	Chula Vista - Hilltop Dr and L St; Fourth Ave and J St; Third Ave and I St; and Third Ave and H St (part of Lump Sum CAL105)										
Project Description:	Hilltop Dr. and L St. from Fourth Ave and J St to Third Ave and H St - Upgrade traffic signals; install pedestrian countdown heads; install protected left-turn phasing; upgrade ramps, lights, signs and striping										
	Capacity Status: NCI		Exempt Category: Safety - Safety Improvement Program								
Est Total Cost: \$800											
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON	
HSIP	\$800	\$800								\$800	
Local Funds	\$0										
TOTAL	\$800	\$800								\$800	

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Table A-2 - Completed/Deleted/Delayed Projects
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

Caltrans

COMPLETED

MPO ID: CAL332							ADOPTION: 16-00			
Project Title:		Chula Vista - Various locations on Otay Lakes Rd and Telegraph Canyon Rd and East H St (part of Lump Sum CAL105)								
Project Description:		Various location on Otay Lakes Rd, Telegraph Canyon Rd, and East H St - Upgrade traffic signals.								
Capacity Status:		NCI		Exempt Category: Safety - Safety Improvement Program						
Est Total Cost: \$609										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
HSIP	\$609	\$609								\$609
Local Funds	\$0									
TOTAL	\$609	\$609								\$609

COMPLETED

MPO ID: CAL333							ADOPTION: 16-00			
Project Title:			El Cajon various locations throughout El Cajon (part of Lump Sum CAL105)							
Project Description:			Various locations throughout El Cajon. - Upgrade traffic signals(interconnect); Install "dilemma zone" detection							
Capacity Status: NCI			Exempt Category: Safety - Safety Improvement Program							
Est Total Cost: \$919										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
HSIP	\$917	\$917								\$917
Local Funds	\$2	\$2								\$2
TOTAL	\$919	\$919								\$919

COMPLETED

MPO ID: CAL334								ADOPTION: 16-00		
Project Title:	National City - Highland Ave. Traffic Signals and Left-turn Phasing (part of Lump Sum CAL105)									
Project Description:	Highland Ave/E 4th St, Highland Ave/Shopping Center Driveway, Highland Ave/E 16th St, Highland Ave/E 18th St, Highland Ave/E 21st St, Highland Ave/E 24th St - Upgrade traffic signals; Install protected left-turn phasing									
	Capacity Status: NCI		Exempt Category: Safety - Safety Improvement Program							
Est Total Cost: \$828										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
HSIP	\$810	\$810						\$810		
Local Funds	\$18	\$18						\$18		
TOTAL	\$828	\$828						\$828		

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Table A-2 - Completed/Deleted/Delayed Projects
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

Caltrans

COMPLETED

MPO ID: CAL335							ADOPTION: 16-00			
Project Title: National City - Highland Ave/28th St (part of Lump Sum CAL105)										
Project Description: Highland Ave/28th St from to - Install traffic signals.										
Capacity Status: NCI Exempt Category: Safety - Safety Improvement Program										
Est Total Cost: \$181										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
HSIP	\$171	\$171								\$171
Local Funds	\$10	\$10								\$10
TOTAL	\$181	\$181								\$181

COMPLETED

MPO ID: CAL336							ADOPTION: 16-00			
Project Title: National City - 9 Intersection crosswalks (part of Lump Sum CAL105)										
Project Description: Various - Install pedestrian crossings and related improvements.										
Capacity Status: NCI Exempt Category: Safety - Safety Improvement Program										
Est Total Cost: \$781										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
HSIP	\$758	\$758								\$758
Local Funds	\$23	\$23								\$23
TOTAL	\$781	\$781								\$781

COMPLETED

MPO ID: CAL337							ADOPTION: 16-00			
Project Title: National City - National City Blvd. Traffic Signals (part of Lump Sum CAL105)										
Project Description: National City Blvd and 30th St, National City Blvd and E Plaza Blvd, and Sweetwater Rd and Euclid Ave. - Upgrade traffic signals (interconnect).										
Capacity Status: NCI Exempt Category: Safety - Safety Improvement Program										
Est Total Cost: \$580										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
HSIP	\$557	\$557								\$557
Local Funds	\$23	\$23								\$23
TOTAL	\$580	\$580								\$580

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Table A-2 - Completed/Deleted/Delayed Projects
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

Caltrans

COMPLETED

MPO ID: CAL338							ADOPTION: 16-00			
Project Title: National City - East 18th St Bicycle lanes and boxes (part of Lump Sum CAL105)										
Project Description: East 18th St from D Ave to Palm Ave - Install bicycle lanes and bike boxes.										
Capacity Status: NCI Exempt Category: Safety - Safety Improvement Program										
Est Total Cost: \$234										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
HSIP	\$214	\$214								\$214
Local Funds	\$20	\$20								\$20
TOTAL	\$234	\$234								\$234

COMPLETED

MPO ID: CAL339							ADOPTION: 16-00			
Project Title: San Diego County - Winter Gardens Blvd Traffic Signals (part of Lump Sum CAL105)										
Project Description: Winter Gardens Blvd from Woodside Ave to Pepper Dr - install traffic signal; install signal interconnect.										
Capacity Status: NCI Exempt Category: Safety - Safety Improvement Program										
Est Total Cost: \$998										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
HSIP	\$964	\$964								\$964
Local Funds	\$34	\$34								\$34
TOTAL	\$998	\$998								\$998

COMPLETED

MPO ID: CAL343							ADOPTION: 16-00			
Project Title: Vista - E Vista Way between Fire Station 6 and Williamston St (part of Lump Sum CAL105)										
Project Description: E Vista Way from Fire Station 6 to Williamston St - on E Vista Way between Fire Station 6 and Williamston St, Install raised median; modify striping.										
Capacity Status: NCI Exempt Category: Safety - Safety Improvement Program										
Est Total Cost: \$530										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
HSIP	\$524	\$524								\$524
Local Funds	\$6	\$6								\$6
TOTAL	\$530	\$530								\$530

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Table A-2 - Completed/Deleted/Delayed Projects
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

Caltrans

COMPLETED

MPO ID: CAL345							ADOPTION: 16-00			
Project Title:		El Cajon - 57 Intersections (part of Lump Sum CAL105)								
Project Description:		fifty - seven (57) intersections - at fifty-seven (57) intersections throughout the city. Upgrade traffic signals.								
Capacity Status:		NCI		Exempt Category: Safety - Safety Improvement Program						
Est Total Cost: \$350										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
HSIP	\$349	\$349								\$349
Local Funds	\$1	\$1								\$1
TOTAL	\$350	\$350								\$350

COMPLETED

MPO ID: CAL346								ADOPTION: 16-00		
Project Title:		El Cajon-Avocado Ave - Ballantyne St between Skywood Dr and Madison Ave (part of Lump Sum CAL105)								
Project Description:		Avocado Ave-Ballantyne St from Skywood Dr to Madison Ave - In El Cajon, on Avocado Ave-Ballantyne St between Skywood Dr and Madison Ave. Upgrade traffic signals (interconnect); install "dilemma zone" detection and lighting.								
Capacity Status:		NCI		Exempt Category: Safety - Safety Improvement Program						
Est Total Cost: \$478										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
HSIP	\$476	\$476								\$476
Local Funds	\$2	\$2								\$2
TOTAL	\$478	\$478								\$478

COMPLETED

MPO ID: CAL347								ADOPTION: 16-00		
Project Title:	Escondido - E El Norte Parkway/N fig St, E Valley Parkway/N Date St (part of Lump Sum CAL105)									
Project Description:	E El Norte Parkway/N Fig St, E Valley Parkway/N Date St. - In Escondido at E El Norte Parkway/N Fig St, E Valley Parkway/N Date St. Install traffic signals.									
	Capacity Status: NCI		Exempt Category: Safety - Safety Improvement Program							
Est Total Cost: \$688										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
HSIP	\$682	\$682								\$682
Local Funds	\$6	\$6								\$6
TOTAL	\$688	\$688								\$688

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Table A-2 - Completed/Deleted/Delayed Projects
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

Caltrans

COMPLETED

MPO ID: CAL348							ADOPTION: 16-00			
Project Title:	La Mesa - Spring St between Center St and Lemon Ave, various location on El Cajon Blvd (part of Lump Sum CAL105)									
Project Description:	On Spring St between Center St and Lemon Ave, various location on El Cajon Blvd. - Construct sidewalk; upgrade traffic signals (interconnect); install pedestrian countdown heads.									
	Capacity Status: NCI		Exempt Category: Safety - Safety Improvement Program							
Est Total Cost: \$1,312										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
HSIP	\$1,178	\$1,178								\$1,178
Local Funds	\$134	\$134								\$134
TOTAL	\$1,312	\$1,312								\$1,312

COMPLETED

MPO ID: CAL349								ADOPTION: 16-00		
Project Title:	La Mesa - Fletcher Parkway between Baltimore Dr and Dallas St, on Baltimore Dr between Fletcher Parkway and City Hall (part of Lump Sum CAL105)									
Project Description:	Fletcher Parkway between Baltimore Dr and Dallas St, on Baltimore Dr between Fletcher Parkway and City Hall - Upgrade traffic signals (interconnect); install pedestrian countdown signal heads.									
Capacity Status: NCI		Exempt Category: Safety - Safety Improvement Program								
Est Total Cost: \$730										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
HSIP	\$700	\$700						\$700		
Local Funds	\$30	\$30						\$30		
TOTAL	\$730	\$730						\$730		

COMPLETED

MPO ID: CAL360							ADOPTION: 16-00			
Project Title:	San Diego - Nimitz Blvd to west of Presidio Park OC - Pavement rehabilitation (part of Lump Sum CAL46E)						EA NO: 40860			
							PPNO: 1061			
Project Description:	From Nimitz Blvd to west of Presidio Park Overcrossing - In the city of San Diego, from Nimitz Boulevard to west of Presidio Park Overcrossing. Pavement rehabilitation. Postmiles (Beg PM T0.5 to End PM R0.7).									
	Capacity Status: NCI		Exempt Category: Safety - Pavement resurfacing and/or rehabilitation							
Est Total Cost: \$9,541										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
SHOPP (AC)-Rdside Preserv NHS	\$9,541	\$9,541						\$1,140	\$4	\$8,397
TOTAL	\$9,541	\$9,541						\$1,140	\$4	\$8,397

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Table A-2 - Completed/Deleted/Delayed Projects
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

Caltrans

COMPLETED

MPO ID: CAL361							ADOPTION: 16-00				
Project Title:		San Diego, Chula Vista, and National City - Coronado Ave to north of E St - Install ramp meters and widen ramps (part of Lump Sum CAL46A)					EA NO: 24400				
							PPNO: 1107				
Project Description:		From Coronado Avenue to north of E Street - In the cities of San Diego, Chula Vista, and National City, at various locations from Coronado Avenue to north of E Street. Install ramp meters and widen ramps.									
RT:5		Capacity Status: NCI		Exempt Category: Safety - Shoulder Improvements							
Est Total Cost: \$14,669											
		TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
SHOPP (AC)-Mobility		\$14,669	\$14,669						\$2,033	\$253	\$12,383
TOTAL		\$14,669	\$14,669						\$2,033	\$253	\$12,383

COMPLETED

MPO ID: CAL362							ADOPTION: 16-00			
Project Title:	In and near the cities of San Diego,La Mesa,and El Cajon at various locations.						EA NO: 23796			
Project Description:	Install/upgrade Transportation Management Systems. (part of Lump Sum						PPNO: 1108			
	CAL46A) From West of Route 15 to Fletcher Parkway - In and near the cities of San Diego,La Mesa and El Cajon at various locations. Install/upgrade Transportation Management Systems.									
RT:8	Capacity Status: NCI		Exempt Category: Safety - Non signalization traffic control and operating							
Est Total Cost: \$15,692										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
SHOPP (AC)-Mobility	\$15,692	\$15,692						\$1,970	\$43	\$13,679
TOTAL	\$15,692	\$15,692						\$1,970	\$43	\$13,679

COMPLETED

MPO ID: CAL363							ADOPTION: 16-00			
Project Title:	San Diego County - Traffic Controllers, Detection Stations, CCTV Systems (part of Lump Sum CAL46A)							EA NO: 41550		
Project Description:	In San Diego and Imperial counties, on various routes at various locations. - In San Diego and Imperial counties, on various routes at various locations. Replace and upgrade Traffic Management System (TMS) field elements including traffic controllers, detection stations, CCTV systems, and other aging data collection equipment.							PPNO: 1089		
Capacity Status: NCI		Exempt Category: Safety - Non signalization traffic control and operating								
Est Total Cost: \$6,191										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
SHOPP (AC)-Mobility	\$6,191	\$6,191						\$904	\$2	\$5,285
TOTAL	\$6,191	\$6,191						\$904	\$2	\$5,285

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Table A-2 - Completed/Deleted/Delayed Projects
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

Caltrans

COMPLETED

MPO ID: CAL367							ADOPTION: 16-00			
Project Title:	El Cajon - Johnson Ave to west of Lake Jennings Park Rd, Pavement Rehab (part of Lump Sum CAL46E)						EA NO: 41350 PPNO: 1102			
Project Description:	From Johnson Avenue to west of Lake Jennings Park Road - In and near El Cajon, from Johnson Avenue to west of Lake Jennings Park Road, Pavement rehabilitation.									
	Capacity Status: NCI		Exempt Category: Safety - Pavement resurfacing and/or rehabilitation							
Est Total Cost: \$17,569										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
SHOPP (AC)-Rdway Presrv NHS	\$17,569	\$17,569						\$1,615	\$2	\$15,952
TOTAL	\$17,569	\$17,569						\$1,615	\$2	\$15,952

COMPLETED

MPO ID: CAL368								ADOPTION: 16-00		
Project Title:	San Diego - Various Routes Replace and Upgrade TMS Field Elements - Hubs and HAR (part of Lump Sum CAL46A)							EA NO: 41600		
								PPNO: 1090		
Project Description:	Various - In San Diego and Imperial counties, on various routes at various locations, replace and upgrade Traffic Management System (TMS) field elements including communication HUBs, Highway Advisory Radio (HAR) systems, and other aging data collection equipment.									
Capacity Status: NCI			Exempt Category: Other - Traffic signal synchronization projects							
Est Total Cost: \$6,078										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
SHOPP (AC)-Mobility	\$6,078	\$6,078						\$919	\$2	\$5,157
TOTAL	\$6,078	\$6,078						\$919	\$2	\$5,157

COMPLETED

MPO ID: CAL370								ADOPTION: 16-00			
Project Title:		Ramona Highland Rd/Dye Rd - Widen Intersection, Add Lanes, Traffic Signals, and Drainage (part of Lump Sum CAL46A)						EA NO: 41490			
								PPNO: 1070			
Project Description:		From from 0.5 mile south of Highland Road/Dye Rd to 0.4 mile north of Highland Road/Dye Rd - In San Diego County near Ramona at Highland Road/Dye Road, intersection reconfiguration, new traffic signals and drainage.									
RT:67		Capacity Status: NCI		Exempt Category: Other - Traffic signal synchronization projects							
Est Total Cost: \$14,036											
		TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
SHOPP (AC)-Mobility		\$14,036	\$14,036						\$1,816	\$5,796	\$6,424
TOTAL		\$14,036	\$14,036						\$1,816	\$5,796	\$6,424
*Local Funds of \$3.050 million programmed in construction under CNTY83											

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Table A-2 - Completed/Deleted/Delayed Projects
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

Caltrans

COMPLETED

MPO ID: CAL377							ADOPTION: 16-00			
Project Title:	San Diego County - Methacrylate bridge deck treatment (part of Lump Sum CAL46D)						EA NO: 41780 PPNO: 1120			
Project Description:	Various locations - At various locations in San Diego County on various routes. Apply methacrylate bridge deck treatment and repair or replace joint seals.									
Capacity Status: NCI		Exempt Category: Safety - Non capacity widening or bridge reconstruction								
Est Total Cost: \$3,095										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
SHOPP (AC)-Brdg Presrv (HBP)	\$3,095	\$3,095						\$597	\$4	\$2,494
TOTAL	\$3,095	\$3,095						\$597	\$4	\$2,494

COMPLETED

MPO ID: CAL378								ADOPTION: 16-00			
Project Title:		Imperial Beach - Elm Ave (part of Lump Sum V14)									
Project Description:		Elm Ave. from to - In the City of Imperial Beach, Elm Ave Traffic, Ped and Cycling Safety & Mobility Improvement									
Capacity Status: NCI		Exempt Category: Air Quality				- Bicycle and pedestrian facilities					
Est Total Cost: \$1,459											
		TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
ATP - S		\$709	\$709						\$220	\$6	\$483
Local Funds		\$750	\$750								\$750
TOTAL		\$1,459	\$1,459						\$220	\$6	\$1,233

COMPLETED

MPO ID: CAL379								ADOPTION: 16-00			
Project Title:		Chula Vista - Chula Vista Elementary School District (part of Lump Sum V14)									
Project Description:		From to - Chula Vista Elementary School District, Its Cool 2 Walk to School NI Project.									
Capacity Status: NCI		Exempt Category: Air Quality - Bicycle and pedestrian facilities									
Est Total Cost: \$590											
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON	
ATP - S	\$590	\$590								\$590	
TOTAL	\$590	\$590								\$590	

COMPLETED

MPO ID: CAL381								ADOPTION: 16-00		
Project Title:			Coronado - SRTS Education (part of Lump Sum V14)							
Project Description:			From to - In the City of Coronado SRTS Education							
Capacity Status:			NCI							
Exempt Category:			Air Quality - Bicycle and pedestrian facilities							
Est Total Cost: \$43										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
ATP - S	\$36	\$36								\$36
Local Funds	\$7	\$7								\$7
TOTAL	\$43	\$43								\$43

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**Table A-2 - Completed/Deleted/Delayed Projects
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)**

Caltrans

COMPLETED

MPO ID: CAL388								ADOPTION: 16-00		
Project Title: San Diego - Linda Vista SRTS (part of Lump Sum V14)										
Project Description: From to - In the City of San Diego, Linda Vista SRTS.										
Capacity Status: NCI Exempt Category: Air Quality - Bicycle and pedestrian facilities										
Est Total Cost: \$500										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
ATP - S	\$500	\$500								\$500
TOTAL	\$500	\$500								\$500

COMPLETED

MPO ID: CAL389								ADOPTION: 16-00		
Project Title: Vista - Maryland Elementary (part of Lump Sum V14)										
Project Description: From to - In the City of Vista, Maryland Elementary Ped Mobility Improvement										
Capacity Status: NCI Exempt Category: Air Quality - Bicycle and pedestrian facilities										
Est Total Cost: \$792										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
ATP - S	\$712	\$712						\$85		\$627
Local Funds	\$80	\$80								\$80
TOTAL	\$792	\$792						\$85		\$707

COMPLETED

MPO ID: CAL390								ADOPTION: 16-00		
Project Title: San Diego County - Live Oak Elementary/Potter Junior High (part of Lump Sum V14)										
Project Description: From to - In San Diego County, SRTS Live Oak Elementary/Potter Junior High.										
Capacity Status: NCI Exempt Category: Air Quality - Bicycle and pedestrian facilities										
Est Total Cost: \$2,760										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
ATP - S	\$2,760	\$2,760						\$694	\$166	\$1,900
TOTAL	\$2,760	\$2,760						\$694	\$166	\$1,900

COMPLETED

MPO ID: CAL391								ADOPTION: 16-00		
Project Title: Vista - SRTS Master Plan (part of Lump Sum V14)										
Project Description: From to - In the City of Vista, Vista SRTS Master Plan.										
Capacity Status: NCI Exempt Category: Air Quality - Bicycle and pedestrian facilities										
Est Total Cost: \$120										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
ATP - S	\$120	\$120								\$120
TOTAL	\$120	\$120								\$120

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Table A-2 - Completed/Deleted/Delayed Projects
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

Caltrans

COMPLETED

MPO ID: CAL392								ADOPTION: 16-00			
Project Title:		La Jolla Band of Luiseno Indians - Active Transportation Project 2014 (part of Lump Sum V14)									
Project Description:		From to - The La Jolla Band of Luiseno Indians, La Jolla Active Transportation Project 2014.									
		Capacity Status: NCI		Exempt Category: Air Quality - Bicycle and pedestrian facilities							
Est Total Cost: \$4,110											
		TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
ATP - S		\$4,110	\$4,110						\$941	\$150	\$3,019
TOTAL		\$4,110	\$4,110						\$941	\$150	\$3,019

COMPLETED

MPO ID: CAL393								ADOPTION: 16-00			
Project Title:		Yaqui Pass Roadway Repair (part of Lump Sum CAL42)						EA NO: 42020			
Project Description:		From East of Wynola Road to East of Borrego Springs Road - Near Yaqui Pass from east of Wynola Road to east of Borrego Springs Road. Repair roadway.						PPNO: 0556			
		Capacity Status: NCI		Exempt Category: Safety - Emergency Relief (23 U.S.C. 125)							
Est Total Cost: \$810											
		TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
SHOPP (AC)-Emergcy Response		\$810	\$810								\$810
TOTAL		\$810	\$810								\$810

DELETED

MPO ID: CAL400								ADOPTION: 16-00		
Project Title:			Place Holder to Mark SAN84 deleted project (part of Lump Sum SAN84)							
Project Description:			N/A from N/A to N/A - Place Holder to Mark SAN84 deleted project							
Capacity Status: NCI			Exempt Category: Mass Transit - Transit operating assistance							
Est Total Cost: \$0										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
Local Funds	\$0									
TOTAL										

COMPLETED

MPO ID: CAL402								ADOPTION: 16-00			
Project Title:		San Diego County in San Marcos on Route 78 - Construct Auxiliary Lanes						EA NO: 42160			
								PPNO: 1170			
Project Description:		From Twin Oaks Valley OC to West of Woodland Parkway UC - in San Diego County in San Marcos on Route 78 from Twin Oaks Valley overcrossing to 0.1 mile west of Woodland Parkway undercrossing, construct eastbound and westbound auxiliary lanes									
RT:78		Capacity Status: CI		Exempt Category: Non-Exempt							
Est Total Cost: \$27,208 Open to Traffic: Dec 2017											
		TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
SHOPP (AC)-Mobility		\$27,208	\$27,208						\$3,310	\$20	\$23,878
TOTAL		\$27,208	\$27,208						\$3,310	\$20	\$23,878

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Table A-2 - Completed/Deleted/Delayed Projects
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

Caltrans

COMPLETED

MPO ID: CAL403								ADOPTION: 16-00			
Project Title:		Mission Avenue and UPRR in the City of Oceanside									
Project Description:		Mission Avenue and UPRR tracks - In the City of Oceanside at the intersection of Mission Avenue and UPRR tracks. Eliminate hazards at railroad grade crossing									
		Capacity Status: NCI		Exempt Category: Safety - Railroad/highway crossing							
Est Total Cost: \$999											
		TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
STP-RL		\$999	\$999						\$999		
TOTAL		\$999	\$999						\$999		

COMPLETED

MPO ID: CAL406								ADOPTION: 16-00		
Project Title:		SR-94 Maintenance Seal Coat; HM-124 Project (part of Lump Sum CAL194)						EA NO: 2M830		
Project Description:		From Route 188 to Route 08 - In San Diego County from Route 188 to Route 8, Maintenance Seal Coat. From PM 39.0 to PM 65.4								
		Capacity Status: NCI		Exempt Category: Safety - Pavement resurfacing and/or rehabilitation						
Est Total Cost: \$3,625										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
Highway Maintenance - STP		\$3,625	\$3,625					\$380	\$5	\$3,240
TOTAL		\$3,625	\$3,625					\$380	\$5	\$3,240

COMPLETED

MPO ID: CAL407							ADOPTION: 16-00			
Project Title:		SR 78; Maintenance Seal Coat, HM-124 Project (part of Lump Sum CAL194)					EA NO: 2M760			
Project Description:		From 3.7 Miles West of Vallecitos Rd to North Junction Rte 86 - In San Diego and Imperial Counties near Banner from 3.7 Miles West of Vallecitos Road to North Junction Route 86. Maintenance Seal Coat.								
		Capacity Status: NCI		Exempt Category: Safety - Pavement resurfacing and/or rehabilitation						
Est Total Cost: \$0										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TOTAL										
*\$5.247k for San Diego County is reflected in the SCAG TIP listing for ICTC since this project is in multiple counties										

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Table A-2 - Completed/Deleted/Delayed Projects
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

Caltrans

COMPLETED

MPO ID: CAL408							ADOPTION: 16-00				
Project Title:		I-5/SR-52; I-5 AND SR-52 Interchange; Overlay asphalt concrete and cold plane; Minor Program (part of Lump Sum CAL213)						EA NO: 41970			
Project Description:		From to - In San Diego County, in San Diego from 0.3 miles south to 0.3 miles north of Route 5/52 separation; overlay asphalt concrete and cold plane on-ramps and off-ramps.									
RT:5		Capacity Status: NCI		Exempt Category: Safety - Pavement resurfacing and/or rehabilitation							
Est Total Cost: \$1,705											
		TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
SHOPP (AC)-CT Minor Pgm		\$1,705	\$1,705								\$1,705
TOTAL		\$1,705	\$1,705								\$1,705

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Table A-2 - Completed/Deleted/Delayed Projects
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

Carlsbad, City of

COMPLETED

MPO ID: CB04C							ADOPTION: 16-00				
Project Title:		El Camino Real - Lisa Street to Crestview Drive						RTP PG NO: A-29			
Project Description:		El Camino Real from Lisa Street to Crestview Drive - in Carlsbad, along the west side of El Camino Real, roadway widening to provide three southbound through lanes, curb, gutter and sidewalk per Prime Arterial standards						RAS (TA 4-66)			
		Capacity Status: CI		Exempt Category: Non-Exempt							
Est Total Cost: \$2,188			Open to Traffic: Jun 2016								
		TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
Local Funds		\$2,188	\$2,188						\$170		\$2,018
TOTAL		\$2,188	\$2,188						\$170		\$2,018

COMPLETED

MPO ID: CB18							ADOPTION: 16-00				
Project Title:	Carlsbad Blvd. Bridge over SDNR Railroad							RAS (TA 4-66)			
Project Description:	Carlsbad Blvd. from Mountain View to State - 0.6 miles NW of Carlsbad Village Drive, upgrade the bridge railings on the Carlsbad Blvd. Bridge over the San Diego Northern Railway (SDNR) railroad (local match to HBP funding, part of CAL44)							TransNet - LSI: Maint			
Capacity Status: NCI		Exempt Category: Safety - Guardrails, median barriers, crash cushions									
Est Total Cost: \$549											
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON	
TransNet - LSI	\$467	\$467						\$50		\$417	
TransNet - LSI Carry Over	\$82	\$82								\$82	
TOTAL	\$549	\$549						\$50		\$499	

COMPLETED

MPO ID: CB30								ADOPTION: 16-00			
Project Title:		El Camino Real Left Turn Lane to westbound Tamarack Ave.						RTP PG NO: A-29			
Project Description:		El Camino Real and Tamarack Avenue - at the intersection of El Camino Real and Tamarack Avenue construct a second left turn lane from El Camino Real to westbound Tamarack						RAS (TA 4-66)			
Capacity Status: CI		Exempt Category: Non-Exempt									
Est Total Cost: \$286		Open to Traffic: Sep 2016									
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON	
Local Funds	\$286	\$286						\$70		\$216	
TOTAL	\$286	\$286						\$70		\$216	

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Table A-2 - Completed/Deleted/Delayed Projects
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

Carlsbad, City of

COMPLETED

MPO ID: CB38							ADOPTION: 16-00				
Project Title:		El Camino Real - Cannon Road to Tamarack Avenue						RAS (TA 4-66)			
Project Description:		El Camino Real from Cannon Road to Tamarack - widen along both sides of El Camino Real from Cannon Road to Tamarack Avenue excluding the limits of Project CB04C, to provide a raised median, three travel lanes, bike lane, curb, gutter and walkway along both sides per Prime Arterial Standards and a new traffic signal at Lisa Street									
		Capacity Status: CI		Exempt Category: Non-Exempt							
Est Total Cost: \$10,000		Open to Traffic: Jun 2016									
		TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
Local Funds		\$10,000	\$10,000						\$10,000		
TOTAL		\$10,000	\$10,000						\$10,000		

COMPLETED

MPO ID: CB39							ADOPTION: 16-00			
Project Title:		Carlsbad CATS (part of Lump Sum V12)								
Project Description:		From to - Develops an implementation strategy for livable streets. The plan will be tested by implementing up to five pilot projects. The plan is city-wide with up to ten priority locations to be identified during the project lifecycle. - #1223028								
		Capacity Status: NCI		Exempt Category: Air Quality - Bicycle and pedestrian facilities						
Est Total Cost: \$250										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - BPNS	\$150	\$150						\$150		
Local Funds	\$100	\$100						\$100		
TOTAL	\$250	\$250						\$250		

COMPLETED

MPO ID: CB40							ADOPTION: 16-00			
Project Title:		Active Village Campaign (part of Lump Sum V12)								
Project Description:		From to - Develops a multi-media campaign to promote the benefits of walking and biking in Carlsbad and Carlsbad Village, and aims to increase bicycling and walking for everyday trips, improve connectivity and create a pilot program that is scalable for other cities in the region. - #1223029								
		Capacity Status: NCI		Exempt Category: Air Quality - Bicycle and pedestrian facilities						
Est Total Cost: \$296										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - BPNS	\$271	\$271								\$271
Local Funds	\$25	\$25								\$25
TOTAL	\$296	\$296								\$296

Tuesday, September 20, 2016

Table A-2 - Completed/Deleted/Delayed Projects
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

Chula Vista, City of

COMPLETED

MPO ID: CHV40				ADOPTION: 16-00						
Project Title:		Bayshore Bikeway						TransNet - LSI: CR		
Project Description:		Along Bayshore Bikeway from E Street to Main Street - provide funds for preliminary engineering on Segments 7 and 8 of the Chula Vista portion of the Bayshore Bikeway								
		Capacity Status: NCI		Exempt Category: Air Quality - Bicycle and pedestrian facilities						
Est Total Cost: \$230										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - L	\$50	\$50						\$50		
TransNet - LSI	\$125	\$125						\$125		
TransNet - LSI Carry Over	\$5	\$5						\$5		
Local Funds	\$50	\$50						\$50		
TOTAL	\$230	\$230						\$230		

COMPLETED

MPO ID: CHV54							ADOPTION: 16-00			
Project Title:	South Broadway Improvements South of Main Street						RAS (TA4-70)			
Project Description:	Broadway from Main Street to Southern City Limits - overlay and reconstruction of the pavement on Broadway, construction of curb, gutter and sidewalk and installation of bike lanes						TransNet - LSI: CR			
Capacity Status: NCI		Exempt Category: Safety - Pavement resurfacing and/or rehabilitation								
Est Total Cost: \$2,901										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - L (Cash)	\$495	\$495						\$50		\$445
TransNet - LSI	\$1,261	\$1,261						\$100		\$1,161
TransNet - LSI Carry Over	\$1,050	\$1,050						\$450		\$600
Local RTCIP	\$95	\$95						\$95		
TOTAL	\$2,901	\$2,901						\$695		\$2,206

COMPLETED

MPO ID: CHV56							ADOPTION: 16-00			
Project Title:		Sidewalk Safety Program (part of Lump Sum V12)					TransNet - LSI: CR			
Project Description:		North side of I Street from Hilltop Dr to First Ave - Sidewalk Safety - Construct missing sidewalk								
Capacity Status: NCI		Exempt Category: Air Quality - Bicycle and pedestrian facilities								
Est Total Cost: \$232										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - BPNS	\$116	\$116								\$116
TransNet - L (Cash)	\$16	\$16						\$14		\$2
TransNet - LSI Carry Over	\$100	\$100								\$100
TOTAL	\$232	\$232						\$14		\$218

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Table A-2 - Completed/Deleted/Delayed Projects
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

Chula Vista, City of

COMPLETED

MPO ID: CHV59				ADOPTION: 16-00						
Project Title:		Naples Street New Sidewalk Construction						TransNet - LSI: CR		
Project Description:		South side of Naples Street between Broadway and Fifth Ave. and areas with missing infrastructure on Naples Street between Fifth Ave. and Third Ave. - design phase and construction of missing curb, gutter, sidewalk and other pedestrian infrastucture on Naples Street								
		Capacity Status: NCI		Exempt Category: Air Quality - Bicycle and pedestrian facilities						
Est Total Cost: \$668										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - L (Cash)	\$87	\$87						\$87		
TransNet - LSI	\$402	\$402						\$87		\$315
TransNet - LSI (Cash)	\$3	\$3						\$3		
TransNet - LSI Carry Over	\$176	\$176						\$176		
TOTAL	\$668	\$668						\$353		\$315

COMPLETED

MPO ID: CHV61							ADOPTION: 16-00				
Project Title:	Bonita Road/ Allen School Road Drainage Structure							TransNet - LSI: Maint			
Project Description:	Bonita Road to Allen School Road - repair sections of the top and side of the existing reinforced concrete box culvert, which carries flow from Bonita Road, in order to eliminate the potential for failure and damage to Bonita Road and eliminate a potential hazard to the public										
	Capacity Status: NCI		Exempt Category: Safety - Safer non-Federal-aid system roads								
Est Total Cost: \$150											
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON	
TransNet - LSI	\$1	\$1						\$1			
TransNet - LSI Carry Over	\$149	\$149						\$39		\$110	
TOTAL	\$150	\$150						\$40		\$110	

COMPLETED

MPO ID: CHV65							ADOPTION: 16-00				
Project Title:		Street Drainage Inlet Repair/Replacement						TransNet - LSI: Maint			
Project Description:		Citywide - repair or replace curb inlets and catch basins in public streets with broken grates and other damage in order to adequately carry street drainage and maintain safe driving conditions									
		Capacity Status: NCI		Exempt Category: Safety - Safety Improvement Program							
Est Total Cost: \$12											
		TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - LSI Carry Over		\$12	\$12								
TOTAL		\$12	\$12						\$12		

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Table A-2 - Completed/Deleted/Delayed Projects
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

Chula Vista, City of

COMPLETED

MPO ID: CHV66							ADOPTION: 16-00				
Project Title:		Claire Ave./I Street Drainage Improvements						TransNet - LSI: Maint			
Project Description:		Along and in the vicinity of I Street and Claire Avenue; carries drainage from various public streets, including Claire Ave., Robert Ave., Arthur Ave. and Dennis Ave. - this 60-year old corrugated metal pipe drainage system has partially failed and needs to be repaired/relined in order to maintain safe driving conditions on local streets									
		Capacity Status: NCI		Exempt Category: Safety - Safety Improvement Program							
Est Total Cost: \$350											
		TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - LSI		\$250	\$250						\$75		\$175
TransNet - LSI Carry Over		\$100	\$100								\$100
TOTAL		\$350	\$350						\$75		\$275

COMPLETED

MPO ID: CHV67							ADOPTION: 16-00				
Project Title:	Roadway Improvements at Olympic Parkway and Brandywine Ave.; Palomar Street and Walnut Ave.							TransNet - LSI: CR			
Project Description:	Olympic Parkway from Brandywine Ave. to 450 feet east; intersection of Palomar Street and Walnut Ave. - roadway improvements including increasing the length of westbound Olympic Pkwy. left turn pocket to southbound Brandywine Ave.; constructing a raised median at the intersection of Palomar Street and Walnut Ave. in order to prohibit north-to-west and south-to-east left turns; also includes traffic signal modifications, signal timing changes and signing and striping changes										
	Capacity Status: NCI		Exempt Category: All Projects - Interchange reconfiguration projects								
Est Total Cost: \$250											
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON	
TransNet - LSI Carry Over	\$250	\$250						\$100		\$150	
TOTAL	\$250	\$250						\$100		\$150	

COMPLETED

MPO ID: CHV71			ADOPTION: 16-00							
Project Title:	Main Street Streetscape Master Plan (part of Lump Sum V12)									
Project Description:	From to - Provides a plan using Complete Street principles, and improves access to nearby recreational facilities, and promotes water conservation through improved landscaping features. Project is located in southwest Chula Vista, extending along an approximately 3-mile corridor of Main Street between I-805 and Industrial Blvd., and connecting north and south along neighboring through streets including Broadway, 4th Ave., 3rd Ave., and Albany Avenue. - #1223031									
	Capacity Status: NCI		Exempt Category: Air Quality - Bicycle and pedestrian facilities							
Est Total Cost: \$300										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - BPNS	\$300	\$300						\$300		
TOTAL	\$300	\$300						\$300		

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Table A-2 - Completed/Deleted/Delayed Projects
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

Chula Vista, City of

COMPLETED

MPO ID: CHV73							ADOPTION: 16-00					
Project Title:			Third Ave. Streetscape Implementation Project - Phase 2 (part of Lump Sum V10)					SANDAG ID: 1224015				
Project Description:			From to -									
			Capacity Status: NCI		Exempt Category: Other - Transportation enhancement activities							
Est Total Cost: \$1,345												
			TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - SGIP			\$1,345	\$1,345								\$1,345
TOTAL			\$1,345	\$1,345								\$1,345

COMPLETED

MPO ID: CHV74										ADOPTION: 16-00		
Project Title:			Healthy Communities Program (part of Lump Sum V10)						SANDAG ID: 1224016			
Project Description:			From to - Healthy Communities Program									
			Capacity Status: NCI			Exempt Category: Other - Transportation enhancement activities						
Est Total Cost: \$100												
			TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - SGIP			\$100	\$100						\$100		
TOTAL			\$100	\$100						\$100		

COMPLETED

MPO ID: CHV78							ADOPTION: 16-00					
Project Title:	Sweetwater River Pathway Study							TransNet - LSI: Maint				
Project Description:	Bonita Road from Willow Street to Central Avenue - study of existing dirt and gravel multi-purpose paths between the Willow Street Bridge and Central Avenue along the Sweetwater River; will investigate the best alignments to accommodate all users, including joggers, bikers and equestrians											
	Capacity Status: NCI		Exempt Category: Air Quality - Bicycle and pedestrian facilities									
Est Total Cost: \$1												
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON		
TransNet - LSI	\$1	\$1						\$1				
TOTAL	\$1	\$1						\$1				

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Table A-2 - Completed/Deleted/Delayed Projects
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

Coronado, City of

DELETED

MPO ID: COR18							ADOPTION: 16-00			
Project Title:		First Street Access Roads								
Project Description:		First Street from E Avenue to G Avenue - install standard entrances to the First Street frontage road at G and E avenues, landscape the median between the frontage road and First Street, and install sidewalk adjacent to First Street along the frontage road								
		Capacity Status: NCI		Exempt Category: Safety - Shoulder Improvements						
Est Total Cost: \$0										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
	TOTAL									

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Table A-2 - Completed/Deleted/Delayed Projects
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

El Cajon, City of

COMPLETED

MPO ID: CAL259				ADOPTION: 16-00							
Project Title:		El Cajon - Johnson Ave (part of Lump Sum CAL104)									
Project Description:		Johnson Ave. between Grant Ave. and Renette Ave.; Grant Ave. between Johnson Ave. and Emerald Ave.; Renette Ave. between Johnson Ave. and Emerald Ave.; Emerald Ave. between Grant Ave. and Renette Ave. - In El Cajon on Johnson Ave. between Grant Ave and Renette Ave.; Grant Ave. between Johnson Ave. and Emerald Ave.; Renette Ave. between Johnson Ave. and Emerald Ave.; Emerald Ave. between Grant Ave. and Renette Ave., construct sidewalk, curb and gutter, and curb ramps; install speed feedback signs; upgrade pedestrian countdown heads, upgrade crosswalks, signs.									
Capacity Status:		NCI		Exempt Category: Air Quality - Bicycle and pedestrian facilities							
Est Total Cost: \$380											
		TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
SRTS		\$363	\$363								\$363
Local Funds		\$17	\$17								\$17
TOTAL		\$380	\$380								\$380

COMPLETED

MPO ID: CAL262								ADOPTION: 16-00			
Project Title:		El Cajon - Greenfield Dr. (part of Lump Sum CAL104)									
Project Description:		Greenfield Dr. between Gorsline Dr. and Haden Ln. - In El Cajon on Greenfield Dr. between Gorsline Dr. and Haden Ln., construct sidewalk, curb and gutter, and curb ramps; install speed feedback signs, pedestrian countdown heads, and signs.									
Capacity Status: NCI		Exempt Category: Air Quality - Bicycle and pedestrian facilities									
Est Total Cost: \$406											
		TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
SRTS		\$406	\$406						\$406		
TOTAL		\$406	\$406						\$406		

COMPLETED

MPO ID: EL25				ADOPTION: 16-00						
Project Title:	Slope Repair—Fletcher Parkway and Murray Drive							TransNet - LSI: Maint		
Project Description:	Fletcher Parkway from Hacienda Drive to Loma Portal. - perform Geotechnical investigations, project design and permanent repairs to slope failures adjacent to the roadway; significant damage occurred during December 2010 heavy rains and anticipation for rains in 2015/2016.									
Capacity Status: NCI		Exempt Category: Other - Damage repair caused by unusual disasters								
Est Total Cost: \$360										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - LSI Carry Over	\$360	\$360						\$90		\$270
TOTAL	\$360	\$360						\$90		\$270

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Table A-2 - Completed/Deleted/Delayed Projects
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

El Cajon, City of

DELETED

MPO ID: EL26				ADOPTION: 16-00						
Project Title:		Marshall Avenue Widening						RAS (TA 4-67)		
Project Description:		Marshall Avenue from Vernon Way to Bradley Avenue - in El Cajon, on Marshall Avenue between Vernon Way and Bradley Avenue; widen street to accommodate bike lanes and sidewalks								
		Capacity Status: NCI		Exempt Category: Air Quality - Bicycle and pedestrian facilities						
Est Total Cost: \$0										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TOTAL										

COMPLETED

MPO ID: EL30							ADOPTION: 16-00			
Project Title:	Intersection Improvements at North Second St./Madison Ave.						RAS (TA 4-67)			
Project Description:	North Second Street from Madison Ave to Shady Ln - in El Cajon, at the signalized intersection of North Second St./Madison Ave.; traffic signal modification to remove east-west split-phase operation; minor street improvements						TransNet - LSI: CR			
Capacity Status: NCI		Exempt Category: Other - Intersection signalization projects								
Est Total Cost: \$592										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - LSI	\$382	\$382								\$382
TransNet - LSI (Cash)	\$15	\$15								\$15
TransNet - LSI Carry Over	\$195	\$195								\$195
TOTAL	\$592	\$592								\$592

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Table A-2 - Completed/Deleted/Delayed Projects
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

Encinitas, City of

COMPLETED

MPO ID: CAL263		ADOPTION: 16-00								
Project Title:	Encinitas - Various (part of Lump Sum CAL104)									
Project Description:	Various locations throughout the city. - In Encinitas at various locations, construct raised medians, raised crosswalks, (staggered) pedestrian refuge islands, bulb-outs, and curb ramps.									
	Capacity Status: NCI		Exempt Category: Air Quality - Bicycle and pedestrian facilities							
Est Total Cost: \$385										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
SRTS	\$331	\$331								\$331
Local Funds	\$54	\$54								\$54
TOTAL	\$385	\$385								\$385

COMPLETED

MPO ID: ENC31							ADOPTION: 16-00			
Project Title:		I-5/Encinitas Blvd. Interchange Modification					RTP PG NO: A-31			
Project Description:		At I-5/Encinitas Blvd. Interchange - modify interchange to improve safety and alleviate congestion (design only)					RAS (TA 4-67)			
		Capacity Status: NCI		Exempt Category: Other - Engineering studies						
Est Total Cost: \$1,655										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
IM	\$285	\$285						\$285		
Local Funds	\$1,370	\$1,370						\$1,370		
TOTAL	\$1,655	\$1,655						\$1,655		

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Table A-2 - Completed/Deleted/Delayed Projects
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

Escondido, City of

COMPLETED

MPO ID: ESC11				ADOPTION: 16-00						
Project Title:		Street Rehabilitation & Resurface						TransNet - LSI: Maint		
Project Description:		Citywide - Refer to City Maintenance Zone Map - reconstruction, resurfacing, chip sealing, crack filling and sidewalk repair								
Capacity Status:		NCI		Exempt Category: Safety - Pavement resurfacing and/or rehabilitation						
Est Total Cost: \$23,046										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - L	\$1,904	\$1,904								\$1,904
TransNet - L (Cash)	\$961	\$961								\$961
TransNet - LSI	\$1,996	\$1,996								\$1,996
TransNet - LSI (Cash)	\$39	\$39								\$39
TransNet - LSI Carry Over	\$3,638	\$3,638								\$3,638
Local Funds	\$14,508	\$14,508						\$300		\$14,208
TOTAL	\$23,046	\$23,046						\$300		\$22,746

COMPLETED

MPO ID: ESC35							ADOPTION: 16-00			
Project Title:	Bear Valley Parkway North Contribution						RAS (TA 4-73)			
Project Description:	Bear Valley Parkway from San Pasqual Valley Road to Boyle Avenue - Bear Valley Parkway from San Pasqual Valley Road to Boyle Avenue contribution - (CNTY39)						TransNet - LSI: CR			
Capacity Status: NCI		Exempt Category: Other - Non construction related activities								
Est Total Cost: \$650										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - LSI Carry Over	\$200	\$200						\$100		\$100
Local Funds	\$450	\$450								\$450
TOTAL	\$650	\$650						\$100		\$550

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Table A-2 - Completed/Deleted/Delayed Projects
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

Imperial Beach, City of

COMPLETED

MPO ID: IB15							ADOPTION: 16-00				
Project Title:		Palm Avenue Mixed-Use and Commercial Corridor Master Plan (part of Lump Sum V10)						SANDAG ID: 1224017			
Project Description:		From to -									
		Capacity Status: NCI		Exempt Category: Other - Transportation enhancement activities							
Est Total Cost: \$400											
		TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - SGIP		\$400	\$400						\$400		
TOTAL		\$400	\$400						\$400		

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Table A-2 - Completed/Deleted/Delayed Projects
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

La Mesa, City of

COMPLETED

MPO ID: CAL265							ADOPTION: 16-00				
Project Title:		La Mesa - Various (part of Lump Sum CAL104)									
Project Description:		Various locations throughout the city. - In La Mesa at various locations throughout the city, construct sidewalk, bulb-outs, and curb ramps; install in-pavement crosswalk lights, crosswalks, pedestrian countdown heads									
		Capacity Status: NCI		Exempt Category: Air Quality - Bicycle and pedestrian facilities							
Est Total Cost: \$323											
		TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
SRTS		\$323	\$323								\$323
TOTAL		\$323	\$323								\$323

COMPLETED

MPO ID: LAM17								ADOPTION: 16-00		
Project Title:	Street Construction (CR)							TransNet - LSI: CR		
Project Description:	Resurfacing Projects Citywide - rehabilitate pavement of identified priority streets that are in poor condition and in need of major reconstruction including removal of existing pavement greater than 1" in depth, and construction of new structural pavement to provide a smooth travel surface									
	Capacity Status: NCI		Exempt Category: Safety - Pavement resurfacing and/or rehabilitation							
Est Total Cost: \$4,660										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - CP	\$2,500	\$2,500						\$150		\$2,350
TransNet - L	\$1,100	\$1,100						\$100		\$1,000
TransNet - LSI	\$668	\$668						\$80		\$588
TransNet - LSI Carry Over	\$392	\$392								\$392
TOTAL	\$4,660	\$4,660						\$330		\$4,330

COMPLETED

MPO ID: LAM28							ADOPTION: 16-00					
Project Title:	Downtown Village Streetscape Improvement Project (Part 1)							TransNet - LSI: CR				
Project Description:	La Mesa Blvd from Acacia Avenue to Grant Street - improvements to the downtown village along La Mesa Boulevard including reconstruction of poor pavement sections, replacement of pavement to accommodate alignment revisions/new medians/etc., new curb & gutter to address alignment revisions and replace C&G in poor condition, installation of new sidewalk to match alignment changes, replacement of sidewalk in poor condition, lighting and landscape enhancements and replacement											
	Capacity Status: NCI		Exempt Category: Other - Plantings, landscaping, etc									
Est Total Cost: \$1,570												
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON		
TransNet - LSI Carry Over	\$1,150	\$1,150								\$1,150		
Local Funds	\$420	\$420								\$420		
TOTAL	\$1,570	\$1,570								\$1,570		

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Table A-2 - Completed/Deleted/Delayed Projects
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

La Mesa, City of

COMPLETED

MPO ID: LAM45								ADOPTION: 16-00				
Project Title:	Downtown Village Streetscape Improvement Project (Part 2) (part of Lump Sum V10)							SANDAG ID: 1224018				
Project Description:	La Mesa Boulevard from Acacia Avenue to 4th Street - new curb, gutter sidewalks, asphalt, landscaping, lighting, crosswalks, and bike facilities in the downtown village											
	Capacity Status: NCI		Exempt Category: Other - Transportation enhancement activities									
Est Total Cost: \$2,000												
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON		
TransNet - SGIP	\$2,000	\$2,000						\$2,000				
TOTAL	\$2,000	\$2,000						\$2,000				

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**Table A-2 - Completed/Deleted/Delayed Projects
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)**

Lemon Grove, City of

COMPLETED

MPO ID: CAL266		ADOPTION: 16-00									
Project Title:	Lemon Grove - Schools (part of Lump Sum CAL104)										
Project Description:	Multiple Schools in the City of Lemon Grove - In the City of Lemon Grove at multiple schools, form a SRTS Steering Committee and form SRTS Coalitions at each school; conduct pedestrian/bike education courses; hold SRTS Workshops, conduct walk/bike audits; develop Suggested Routes to School Maps, training and education for parents and staff, National Walk to School Day activities, and form walk/bike groups.										
Capacity Status: NCI		Exempt Category: Air Quality - Bicycle and pedestrian facilities									
Est Total Cost: \$452											
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON	
SRTS	\$452	\$452								\$452	
TOTAL	\$452	\$452								\$452	

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Table A-2 - Completed/Deleted/Delayed Projects
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

National City, City of

COMPLETED

MPO ID: CAL268								ADOPTION: 16-00			
Project Title:	National City - Schools (part of Lump Sum CAL104)										
Project Description:	Multiple Schools in the City of National City - In the City of National City at multiple schools, conduct community and school-based safety education; unique partnership with school nursing and SRTS program; establish a technology-driven sustainable incentive program including a community safety campaign.										
Capacity Status: NCI		Exempt Category: Air Quality - Bicycle and pedestrian facilities									
Est Total Cost: \$600											
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON	
SRTS	\$500	\$500								\$500	
Local Funds	\$100	\$100								\$100	
TOTAL	\$600	\$600								\$600	

COMPLETED

MPO ID: NC12								ADOPTION: 16-00			
Project Title:		8th St Corridor Smart Growth Revitalization (part of Lump Sum V10)									
Project Description:		8th Street from Harbor Drive to Highland Avenue - Traffic Calming/Streetscape/Landscape Improvements From Harbor Drive to Highland Avenue.									
		Capacity Status: NCI		Exempt Category: Other - Transportation enhancement activities							
Est Total Cost: \$2,000											
		TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - SGIP		\$2,000	\$2,000						\$2,000		
TOTAL		\$2,000	\$2,000						\$2,000		

COMPLETED

MPO ID: NC16								ADOPTION: 16-00			
Project Title:		D Avenue Corridor (part of Lump Sum V12)									
Project Description:		From to - Provides approximately 2.5 miles of Class II and III bicycle facilities, including bicycle detector loops and bicycle boxes at all signalized intersections. The project also includes installation of high-visibility crosswalks, and traffic calming elements. Project is located on D Avenue between Division St. and 30th St.; on 30th St. between D Avenue and Hoover Avenue; and on Hoover Avenue between 30th and the Sweetwater River Bike Path. - #1223034									
		Capacity Status: NCI Exempt Category: Air Quality - Bicycle and pedestrian facilities									
Est Total Cost: \$1,100											
		TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
Local Funds		\$500	\$500								\$500
TDA - Bicycles		\$600	\$600								\$600
TOTAL		\$1,100	\$1,100								\$1,100

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Table A-2 - Completed/Deleted/Delayed Projects
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

National City, City of

COMPLETED

MPO ID: NC17							ADOPTION: 16-00				
Project Title:		4th St. Community Corridor (part of Lump Sum V12)									
Project Description:		From to - Provides roughly 2.0 miles of Class II bicycle facilities, including bicycle detector loops and bicycle boxes. The project includes installation of high-visibility crosswalks, and traffic calming elements such as curb extensions, pedestrian refuge islands, and re-striping to include reverse angle parking and decreased lane widths. Project is located on 4th Street between Roosevelt Avenue and Harbison Avenue. - #1223035									
		Capacity Status: NCI Exempt Category: Air Quality - Bicycle and pedestrian facilities									
Est Total Cost: \$800											
		TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - BPNS		\$450	\$450								\$450
Local Funds		\$350	\$350								\$350
TOTAL		\$800	\$800								\$800

COMPLETED

MPO ID: NC19								ADOPTION: 16-00			
Project Title:		Downtown-Westside Community Connections (part of Lump Sum V10)						SANDAG ID: 1224020			
Project Description:		From to - Enhance the City right-of-way through improvements such as new benches, shelters, recycling receptacles, public art and electronic signs at bus stops,install bike racks, corner bulb-outs, curb ramps, enhance crosswalks, pedestrian refuges, landscaping, street lighting, wayfinding signage, and diagonal onstreet parking									
		Capacity Status: NCI		Exempt Category: Other - Transportation enhancement activities							
Est Total Cost: \$2,000											
		TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - SGIP		\$2,000	\$2,000						\$2,000		
TOTAL		\$2,000	\$2,000						\$2,000		

DELAYED

MPO ID: NC22								ADOPTION: 16-00			
Project Title:		El Toyon - Las Palmas Bicycle Corridor (part of Lump Sum V14)									
Project Description:		From to - The 1.75 mile El Toyon-Las Palmas Bicycle Corridor project in the National City SMART Foundation's Plan to improve the pedestrian and bicycling environment in National City.									
		Capacity Status: NCI		Exempt Category: Air Quality - Bicycle and pedestrian facilities							
Est Total Cost: \$375											
		TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
ATP - S		\$375	\$375						\$300	\$75	
TOTAL		\$375	\$375						\$300	\$75	

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Table A-2 - Completed/Deleted/Delayed Projects
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

Oceanside, City of

COMPLETED

MPO ID: O28		ADOPTION: 16-00								
Project Title:	Mission Avenue Improvements (part of Lump Sum V12)									
Project Description:	From to - Provides a mix of bicycle, pedestrian, and roadway improvements including: increased sidewalk width with curb bulb-outs, streetscape improvements, and Class III bicycle improvements. The project also adds enhanced Class III bicycle improvements and installation of ten bicycle racks for bike parking. Project is located on Mission Avenue from Pacific Street to Horne Street; on Seagaze Drive from Cleveland Street to Clementine Street; and on Cleveland Street from Seagaze Drive to Neptune Way - #1223037									
	Capacity Status: NCI Exempt Category: Air Quality - Bicycle and pedestrian facilities									
Est Total Cost: \$2,200										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
Local Funds	\$700	\$700								\$700
TDA - Bicycles	\$1,500	\$1,500								\$1,500
TOTAL	\$2,200	\$2,200								\$2,200

COMPLETED

MPO ID: O30				ADOPTION: 16-00							
Project Title:	2 Year Education/Encouragement/Awareness Project (part of Lump Sum V12)							SANDAG ID: 1223039			
Project Description:	From to - Provides adult and student education for active transportation skills and concepts, bilingual Public Service Announcements, and bike route maps of Oceanside bike facilities. - #1223039										
	Capacity Status: NCI		Exempt Category: Air Quality - Bicycle and pedestrian facilities								
Est Total Cost: \$210											
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON	
TransNet - BPNS	\$181	\$181						\$181			
Local Funds	\$29	\$29						\$29			
TOTAL	\$210	\$210						\$210			

DELAYED

MPO ID: O32		ADOPTION: 16-00								
Project Title:	Wisconsin Street Median								TransNet - LSI: CR	
Project Description:	Wisconsin Street from Railroad ROW to Cleveland Street - in Oceanside, on Wisconsin Street between the coastal railroad right-of-way and Cleveland Street, construct a raised median to prevent vehicles from going around the railroad crossing gate; in conjunction with the Oceanside Transit Center Third Track Project									
Capacity Status: NCI		Exempt Category: Safety - Railroad/highway crossing								
Est Total Cost: \$48										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - LSI	\$48	\$48								\$48
TOTAL	\$48	\$48								\$48

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Table A-2 - Completed/Deleted/Delayed Projects
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

Poway, City of

COMPLETED

MPO ID: POW19			ADOPTION: 16-00							
Project Title:		15/16 Annual Reconstruction and Overlay Project						TransNet - LSI: CR		
Project Description:		In Poway Reconstruct Garden Road from Poway Road to Whitewater Drive; Localized arterial reconstruction on Pomerado Road; Reconstruct Ahah Lane from Poway Rd to South End; Reconstruct Stowe Drive from Pomerado Road to 1000' East of Pomerado Road - reconstruct and overlay Streets greater than 1" thick AC								
Capacity Status:		NCI		Exempt Category: Safety - Pavement resurfacing and/or rehabilitation						
Est Total Cost: \$1,261										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - LSI	\$1,068	\$1,068								\$1,068
TransNet - LSI (Cash)	\$21	\$21								\$21
TransNet - LSI Carry Over	\$172	\$172								\$172
TOTAL	\$1,261	\$1,261								\$1,261

DELAYED

MPO ID: POW23							ADOPTION: 16-00				
Project Title:		Twin Peaks Median Improvements						RAS (TA 4-69)			
Project Description:		Twin Peaks Rd from Ted Williams Pkwy to Community Rd - in Poway on Twin Peaks Road between Community Road and Ted Williams Pkwy, construct a raised median						TransNet - LSI: CR			
Capacity Status:		NCI		Exempt Category: Safety - Adding medians							
Est Total Cost:											
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON	
TransNet - LSI											
TOTAL											

COMPLETED

MPO ID: POW27							ADOPTION: 16-00				
Project Title:		Street Maintenance Project Zones 5 (14/15) AND 6 (15/16)						TransNet - LSI: Maint			
Project Description:		Zone 5 14/15, Zone 6 15/16 - in Poway; street Maintenance project; construct slurry and CAPE seals on City Streets on an annually rotating zones									
		Capacity Status: NCI		Exempt Category: Safety - Pavement resurfacing and/or rehabilitation							
Est Total Cost: \$871											
		TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - LSI		\$871	\$871								\$871
TOTAL		\$871	\$871								\$871

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Table A-2 - Completed/Deleted/Delayed Projects
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

Poway, City of

COMPLETED

MPO ID: POW35							ADOPTION: 16-00				
Project Title:		Midland Road Pedestrian Safety Project						TransNet - LSI: CR			
Project Description:		Midland Road from Hilleary Place to Scots Way - In Poway construct sidewalk, pedestrian ramps and street lights on Midland Road from Hilleary Place to Scots Way									
		Capacity Status: NCI		Exempt Category: Air Quality - Bicycle and pedestrian facilities							
Est Total Cost: \$300											
		TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - LSI		\$300	\$300								\$300
TOTAL		\$300	\$300								\$300

Table A-2 - Completed/Deleted/Delayed Projects
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

San Diego Association of Governments

COMPLETED

MPO ID: SAN26				ADOPTION: 16-00						
Project Title:		I-15 BRT Transit Stations @Rancho Bernardo, Sabre Springs, and Del Lago						RTP PG NO: A-5 SANDAG ID: 1201505		
Project Description:		From SR 163 to SR 78 - construct transit stations along the I-15 at Del Lago, Rancho Bernardo Road, and Sabre Springs Parkway for I-15 BRT service including surface parking, bus staging, bike lockers and station amenities								
		Capacity Status: CI		Exempt Category: Non-Exempt						
Est Total Cost: \$49,342				Open to Traffic: Mar 2009						
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - MC	\$14,849	\$14,849						\$7,957		\$6,892
TransNet - Transit	\$1,906	\$1,906						\$1,906		
CMAQ	\$12,012	\$12,012							\$7,740	\$4,272
FTA 5309 (Bus)	\$3,359	\$3,359								\$3,359
STIP-RIP PTA	\$11,500	\$11,500								\$11,500
TCRP	\$5,628	\$5,628							\$5,628	
Local Funds	\$88	\$88								\$88
TOTAL	\$49,342	\$49,342						\$9,863	\$13,368	\$26,111
*\$303,000 FEMA funds outside of RTIP										

COMPLETED

MPO ID: SAN26A							ADOPTION: 16-00			
Project Title:	I-15 BRT Operations and Vehicles						SANDAG ID: 1201508			
Project Description:	From Escondido to San Diego - planning, operations and vehicle acquisition (including RTMS equipment) for the Bus Rapid Transit (BRT) service between Escondido and Downtown San Diego and between Escondido and Sorrento Valley									
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: \$34,608										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - MC	\$23,005	\$23,005						\$3,196		\$19,809
TransNet - Transit	\$996	\$996						\$996		
CMAQ	\$9,588	\$9,588								\$9,588
Local Funds	\$49	\$49						\$49		
TDA	\$970	\$970								\$970
TOTAL	\$34,608	\$34,608						\$4,241		\$30,367

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Table A-2 - Completed/Deleted/Delayed Projects
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

San Diego Association of Governments

COMPLETED

MPO ID: SAN52							ADOPTION: 16-00			
Project Title:		East County Bus Maintenance Facility					SANDAG ID: 1049600			
Project Description:		In El Cajon - construction of new bus facility to provide capacity for operation and maintenance for 100-150 vehicles								
Capacity Status:		NCI		Exempt Category: Mass Transit - Const of new bus or rail storage/maint facilities excluded in 23 CFR part 771						
Est Total Cost: \$44,957										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
CMAQ	\$50	\$50								\$50
FTA 5307	\$9,629	\$9,630						\$4,910		\$4,719
FTA 5309 (Bus)	\$4,385	\$4,385								\$4,385
FTA 5311	\$200	\$200								\$200
FTA 5339	\$7,285	\$7,285								\$7,285
STA	\$20,904	\$20,904								\$20,904
Local Funds	\$2,310	\$2,310						\$1,628		\$682
TDA	\$194	\$194								\$194
TOTAL	\$44,957	\$44,958						\$6,538		\$38,419

COMPLETED

MPO ID: SAN67							ADOPTION: 16-00			
Project Title: Low-Floor Light Rail Vehicles							SANDAG ID: 1210080			
Project Description: Along Blue and Orange Line corridor - purchase of 65 low-floor vehicle for the San Diego Trolley system										
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: \$269,057										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - MC	\$36,921	\$36,921						\$48		\$36,873
Prop 1B - PTMISEA	\$41,397	\$41,397								\$41,397
Prop 1B - SLPP	\$31,097	\$31,097								\$31,097
Local Funds	\$159,642	\$159,642								\$159,642
TOTAL	\$269,057	\$269,057						\$48		\$269,009

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Table A-2 - Completed/Deleted/Delayed Projects
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

San Diego Association of Governments

COMPLETED

MPO ID: SAN79				ADOPTION: 16-00						
Project Title:	Centralized Train Control (CTC)							SANDAG ID: 1142500		
Project Description:	MTS service area - develop modern operation center which combines elements of train location, switch control, and fire/life and safety monitoring, to control passenger information signs and public address systems; procure both a back-end computer system, as well as deploy the necessary field equipment to safely and efficiently control the train network									
	Capacity Status: NCI		Exempt Category: Mass Transit - Construction or renovation of power, signal, and communications systems							
Est Total Cost: \$14,933										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - MC	\$8,617	\$8,617								\$8,617
FTA 5307	\$5,145	\$5,145								\$5,145
Local Funds	\$1,171	\$1,171								\$1,171
TOTAL	\$14,933	\$14,933								\$14,933
*STIP-TransNet swap										

COMPLETED

MPO ID: SAN89							ADOPTION: 16-00			
Project Title:		Independent Transportation Network (ITN) San Diego (part of Lump Sum V16)								
Project Description:		various - provides dependable, friendly and personal doorthrough- door transportation to seniors in need as well as to adults who suffer visual impairments.								
Capacity Status:		NCI Exempt Category: Mass Transit - Transit operating assistance								
Est Total Cost: \$469										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - SS	\$325	\$325						\$325		
Local Funds	\$144	\$144						\$144		
TOTAL	\$469	\$469						\$469		

COMPLETED

MPO ID: SAN102								ADOPTION: 16-00		
Project Title: Bayshore Bikeway Segments 7 & 8A (part of Lump Sum SAN147)								PPNO: 1144300		
Project Description: Chula Vista from H to Palomar - construct 1.8 miles of new bike path										
Capacity Status: NCI								Exempt Category: Air Quality - Bicycle and pedestrian facilities		
Est Total Cost: \$2,414										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - BPNS	\$863	\$863						\$423		\$440
STIP-RIP Prior State Cash	\$178	\$178						\$58		\$120
STPE-S RIP Prior	\$1,373	\$1,373								\$1,373
TOTAL	\$2,414	\$2,414						\$481		\$1,933

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Table A-2 - Completed/Deleted/Delayed Projects
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

San Diego Association of Governments

COMPLETED

MPO ID: SAN120							ADOPTION: 16-00			
Project Title:		Tecolote-Washington Crossovers (part of Lump Sum SAN114)					SANDAG ID: 1239808			
Project Description:		From CP Morena to CP Tecolote - universal and single crossovers for the Coastal Rail Corridor								
Capacity Status: NCI		Exempt Category: Mass Transit - Reconstruction or renovation of transit structures								
Est Total Cost: \$10,951										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - MC	\$2,840	\$2,840						\$1,370		\$1,470
Other Fed - ARRA - FRA	\$6,975	\$6,975								\$6,975
RSTP	\$635	\$635						\$635		
Prop. 116	\$501	\$501						\$501		
TOTAL	\$10,951	\$10,951						\$2,506		\$8,445

COMPLETED

MPO ID: SAN128							ADOPTION: 16-00			
Project Title:	I-15 BRT Sabre Springs Parking Structure						RTP PG NO: A-5			
Project Description:	Sabre Springs along I-15 - parking structure BRT service with 500-car parking structure, 150 surface spaces, bus staging area (8-bus capacity), landscaping, lighting, modular bus station, security cameras, bus shelters, and site furnishings						SANDAG ID: 1201512			
Capacity Status: CI		Exempt Category: Non-Exempt								
Est Total Cost: \$14,422		Open to Traffic: Mar 2014								
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - MC	\$14,422	\$14,422						\$563	\$50	\$13,809
TOTAL	\$14,422	\$14,422						\$563	\$50	\$13,809

COMPLETED

MPO ID: SAN141								ADOPTION: 16-00		
Project Title:			Jewish Family Services (part of Lump Sum V16)							
Project Description:			From to - Rides and Smiles program							
Capacity Status: NCI			Exempt Category: Mass Transit - Transit operating assistance							
Est Total Cost: \$1,185										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - SS	\$936	\$936						\$936		
Local Funds	\$249	\$249						\$249		
TOTAL	\$1,185	\$1,185						\$1,185		

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Table A-2 - Completed/Deleted/Delayed Projects
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

San Diego Association of Governments

COMPLETED

MPO ID: SAN142							ADOPTION: 16-00			
Project Title:		Friends of Adult Day Care (part of Lump Sum V16)								
Project Description:		From to - utilize Poway's Adult Day Care Health Care Center buses and staff for door-to-door transportation for seniors enrolled in the Poway Center								
		Capacity Status: NCI		Exempt Category: Mass Transit - Transit operating assistance						
Est Total Cost: \$608										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - SS	\$453	\$453						\$453		
Local Funds	\$155	\$155						\$155		
TOTAL	\$608	\$608						\$608		

COMPLETED

MPO ID: SAN146							ADOPTION: 16-00				
Project Title:		I-805 Imperial BRT Station					SANDAG ID: 1280512				
Project Description:		On I-805, north of Imperial Avenue - project study report and preliminary environmental assessment for BRT station and pedestrian access with connection to 47th Street trolley station									
		Capacity Status: NCI		Exempt Category: Other - Engineering studies							
Est Total Cost: \$1,217											
		TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - MC		\$1,217	\$1,217						\$1,217		
TOTAL		\$1,217	\$1,217						\$1,217		

COMPLETED

MPO ID: SAN152								ADOPTION: 16-00		
Project Title:	Coastal Rail Trail Phase 2B-Oceanside (part of Lump Sum SAN148)							SANDAG ID: 1223024		
Project Description:	Along NCTD ROW from Wisconsin Ave to Oceanside Blvd - provides a safe facility regional bicycle facility for cyclists; segment will add an additional 0.4 miles to the completion of the Coastal Rail Trail. Toll Credits of \$174 will be used to match federal funds for the CON phase									
	Capacity Status: NCI		Exempt Category: Air Quality - Bicycle and pedestrian facilities							
Est Total Cost: \$2,474										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - BPNS	\$957	\$957						\$293		\$664
STIP-RIP STP TE	\$1,517	\$1,517								\$1,517
TOTAL	\$2,474	\$2,474						\$293		\$2,181

COMPLETED

MPO ID: SAN157							ADOPTION: 16-00				
Project Title:		San Diego River Trail (part of Lump Sum V12)					SANDAG ID: 33009				
Project Description:		Along San Diego River from Hotel Circle PI to Lakeside Ave - PE and planning to construct class I bike path									
		Capacity Status: NCI		Exempt Category: Air Quality - Bicycle and pedestrian facilities							
Est Total Cost: \$246											
		TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - BPNS		\$246	\$246						\$246		
TOTAL		\$246	\$246						\$246		

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Table A-2 - Completed/Deleted/Delayed Projects
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

San Diego Association of Governments

COMPLETED

MPO ID: SAN161			ADOPTION: 16-00								
Project Title:		Sweetwater Bikeway - Plaza Bonita Segment (part of Lump Sum V12)						SANDAG ID: 1144500			
Project Description:		Intersection of Bonita Mesa Road and Plaza Bonita Road - construct 0.5 miles of Class 1 Bikeway on the westerly side of Plaza Bonita Road that will close a gap in the Sweetwater Bikeway; bike path will extend from approximately 2000 feet north of Bonita Mesa Road to approximately 400 feet south of Bonita Mesa Road connecting to existing Class 1 bike paths at each end									
		Capacity Status: NCI		Exempt Category: Air Quality - Bicycle and pedestrian facilities							
Est Total Cost: \$1,505											
		TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - BPNS		\$186	\$186								\$186
STIP-RIP STP TE		\$1,316	\$1,316						\$92		\$1,224
STIP-RIP State Cash		\$3	\$3								\$3
TOTAL		\$1,505	\$1,505						\$92		\$1,413

COMPLETED

MPO ID: SAN170								ADOPTION: 16-00		
Project Title:		Orange and Blue Line Project Management (part of Lump Sum SAN66)						SANDAG ID: 1210010		
Project Description:		From to - Management oversight for corridor								
		Capacity Status: NCI		Exempt Category: Mass Transit - Reconstruction or renovation of transit structures						
Est Total Cost: \$19,429										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - MC	\$18,918	\$18,918						\$2,122		\$16,796
Local Funds	\$511	\$511								\$511
TOTAL	\$19,429	\$19,429						\$2,122		\$17,307

COMPLETED

MPO ID: SAN189								ADOPTION: 16-00		
Project Title:		St. Madeline Sophie's Center (SMSC) (part of Lump Sum SAN214)						SANDAG ID: 3321400		
Project Description:		From to - Capital purchases of paratransit vehicles								
		Exempt Category: Mass Transit - Purchase of support vehicles								
Capacity Status: NCI										
Est Total Cost:										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TOTAL										

COMPLETED

MPO ID: SAN190								ADOPTION: 16-00		
Project Title:		St. Madeline Sophie's Center (SMSC) (part of Lump Sum SAN213)						SANDAG ID: 3321400		
Project Description:		From to - Operating funds for volunteer driver program								
		Capacity Status: NCI Exempt Category: Mass Transit - Transit operating assistance								
Est Total Cost:										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TOTAL										

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Table A-2 - Completed/Deleted/Delayed Projects
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

San Diego Association of Governments

COMPLETED

MPO ID: SAN192							ADOPTION: 16-00			
Project Title:		Bayside Community Center (part of Lump Sum V16)								
Project Description:		From to - This project will develop a transportation, translation and advocacy (TTA) program primarily for Spanish speaking and Vietnamese speaking seniors								
		Capacity Status: NCI		Exempt Category: Mass Transit - Transit operating assistance						
Est Total Cost: \$93										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - SS	\$74	\$74						\$74		
Local Funds	\$19	\$19						\$19		
TOTAL	\$93	\$93						\$93		

COMPLETED

MPO ID: SAN201								ADOPTION: 16-00			
Project Title:		Airport Connection						SANDAG ID: 1145500			
Project Description:		Along Palm Street west of Pacific Highway - pedestrian improvements connecting the Middletown light rail station and the planned airport shuttle stop; includes street and sidewalk improvements, landscaping, lighting, signal modification, and curb return improvements. Toll Credits of \$29 will be used to match federal funds for the PE phase, Toll Credits of \$86 will be used to match federal funds for the CON phase									
		Capacity Status: NCI		Exempt Category: Air Quality - Bicycle and pedestrian facilities							
Est Total Cost: \$1,000											
		TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
CMAQ		\$1,000	\$1,000						\$250		\$750
TOTAL		\$1,000	\$1,000						\$250		\$750

COMPLETED

MPO ID: SAN202								ADOPTION: 16-00			
Project Title:		I-15 BRT Station Improvements						SANDAG ID: 1201516			
Project Description:		At Del Lago and Mira Mesa Transit Stations - preliminary engineering for parking access control to ensure parking availability for transit riders									
		Capacity Status: NCI		Exempt Category: All Projects - Bus terminal and transfer points							
Est Total Cost: \$95											
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON	
TransNet - MC		\$95	\$95					\$95			
TOTAL		\$95	\$95					\$95			

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Table A-2 - Completed/Deleted/Delayed Projects
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

San Diego Association of Governments

COMPLETED

MPO ID: SAN215				ADOPTION: 16-00						
Project Title:		San Ysidro Health Center (SYHC) (part of Lump Sum SAN214)						SANDAG ID: 3321400		
Project Description:		From to - TOP-HS is designed to provide demand-response transportation services for registered SYHC patients. Services are provided using in-house resources. Expansion of their existing fleet of paratransit vehicles.								
		Capacity Status: NCI		Exempt Category: Mass Transit - Purchase of support vehicles						
Est Total Cost: \$79										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
FTA 5310	\$63	\$63						\$63		
Local Funds	\$16	\$16						\$16		
TOTAL	\$79	\$79						\$79		

COMPLETED

MPO ID: SAN216							ADOPTION: 16-00				
Project Title:		Home of Guiding Hands (HGH) (part of Lump Sum SAN214)					SANDAG ID: 3321400				
Project Description:		From to - Community Integration and Mobilization Program purchase of buses and mini-vans									
		Capacity Status: NCI		Exempt Category: Mass Transit - Purchase of support vehicles							
Est Total Cost: \$1,231											
		TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
FTA 5310		\$985	\$985						\$985		
Local Funds		\$246	\$246						\$246		
TOTAL		\$1,231	\$1,231						\$1,231		

COMPLETED

MPO ID: SAN217							ADOPTION: 16-00			
Project Title: Sharp Healthcare Foundation (part of Lump Sum SAN214)							SANDAG ID: 3321400			
Project Description: From to - Healthcare Patient Transportation Services - vehicle procurement										
Capacity Status: NCI							Exempt Category: Mass Transit - Purchase of support vehicles			
Est Total Cost: \$190										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
FTA 5310	\$152	\$152						\$152		
Local Funds	\$38	\$38						\$38		
TOTAL	\$190	\$190						\$190		

COMPLETED

MPO ID: SAN218							ADOPTION: 16-00				
Project Title:		Jewish Family Services (part of Lump Sum SAN214)					SANDAG ID: 3321400				
Project Description:		From to - Vehicle Procurement									
		Capacity Status: NCI		Exempt Category: Mass Transit - Purchase of support vehicles							
Est Total Cost: \$87											
		TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
FTA 5310		\$70	\$70						\$70		
Local Funds		\$17	\$17						\$17		
TOTAL		\$87	\$87						\$87		

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Table A-2 - Completed/Deleted/Delayed Projects
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

San Diego Association of Governments

COMPLETED

MPO ID: SAN220								ADOPTION: 16-00		
Project Title:		Full Access and Coordinated Transportation, Inc. (FACT) (part of Lump Sum SAN214)								
Project Description:		From to - Purchase of 12 minivans under Grants 57 and 61. Toll Credits of \$63 will be used to match federal funds for the CON phase								
		Capacity Status: NCI Exempt Category: Mass Transit - Purchase of support vehicles								
Est Total Cost: \$552										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
FTA 5310	\$552	\$552								\$552
TOTAL	\$552	\$552								\$552

COMPLETED

MPO ID: SAN221								ADOPTION: 16-00			
Project Title:		St. Madeleine Sophie's Center (part of Lump Sum SAN214)									
Project Description:		From to - Purchase of transit vehicles. Toll Credits of \$5 will be used to match federal funds for the CON phase									
		Capacity Status: NCI		Exempt Category: Mass Transit - Purchase of support vehicles							
Est Total Cost: \$46											
		TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
FTA 5310		\$46	\$46								\$46
TOTAL		\$46	\$46								\$46

COMPLETED

MPO ID: SAN222								ADOPTION: 16-00			
Project Title:		Noah Homes, Inc. (part of Lump Sum SAN214)									
Project Description:		From to - Purchase of transit vehicles. Toll Credits of \$22 will be used to match federal funds for the CON phase									
		Capacity Status: NCI		Exempt Category: Mass Transit - Purchase of support vehicles							
Est Total Cost: \$108											
		TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
FTA 5310		\$108	\$108								\$108
TOTAL		\$108	\$108								\$108

COMPLETED

MPO ID: SAN223								ADOPTION: 16-00			
Project Title:	Full Access and Coordinated Transportation, Inc. (FACT) (part of Lump Sum SAN214)										
Project Description:	From to - Mobility Management. Toll Credits of \$60 will be used to match federal funds for the CON phase										
Capacity Status: NCI		Exempt Category: Mass Transit - Purchase of support vehicles									
Est Total Cost: \$300											
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON	
FTA 5310	\$300	\$300						\$300			
TOTAL	\$300	\$300						\$300			

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Table A-2 - Completed/Deleted/Delayed Projects
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

San Diego Association of Governments

COMPLETED

MPO ID: SAN225				ADOPTION: 16-00						
Project Title: MTS Access Vehicle Fleet Replacement Expansion (part of Lump Sum SAN214)										
Project Description: In San Diego County - expand mobility management services by purchasing accessible vehicles to provide transportation for persons with disabilities in areas not covered by complementary paratransit services within the MTS service area										
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: \$459										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
FTA 5310	\$328	\$328								\$328
TDA	\$131	\$131								\$131
TOTAL	\$459	\$459								\$459

COMPLETED

MPO ID: SAN226				ADOPTION: 16-00						
Project Title: Del Mar Bluffs Stabilization IV				SANDAG ID: 1146100						
Project Description: From MP 244 to MP 245.7 - Complete environmental document to stabilize the bluffs in Del Mar to support railroad traffic for 50 years.										
Capacity Status: NCI Exempt Category: Mass Transit - Track rehabilitation in existing right of way										
Est Total Cost: \$1,107										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
FTA 5307	\$800	\$800						\$800		
TDA	\$200	\$200						\$200		
TOTAL	\$1,000	\$1,000						\$1,000		

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Table A-2 - Completed/Deleted/Delayed Projects
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

San Diego Canyonlands

COMPLETED

MPO ID: SDC01								ADOPTION: 16-00			
Project Title:		City Heights Canyon Loop Trails Project (part of Lump Sum V12)									
Project Description:		From to - Project Number RT-37-027									
		Capacity Status: NCI		Exempt Category: Air Quality - Bicycle and pedestrian facilities							
Est Total Cost: \$276											
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON	
RTP	\$209	\$209								\$209	
Local Funds	\$67	\$67								\$67	
TOTAL	\$276	\$276								\$276	

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Table A-2 - Completed/Deleted/Delayed Projects
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

San Diego County

COMPLETED

MPO ID: CAL272							ADOPTION: 16-00			
Project Title:	San Diego County - Lakeview Rd. (part of Lump Sum CAL104)									
Project Description:	East side Lakeview Rd. (along the school frontage); west side Lakeview Rd. between W. Lakeview Rd. and Lakeview Granada Dr. - In San Diego County on the East side of Lakeview Rd. (along the school frontage); west side Lakeview Rd. between W. Lakeview Rd. and Lakeview Granada Dr., construct sidewalk, curb and gutter, and curb ramps.									
Capacity Status: NCI		Exempt Category: Air Quality - Bicycle and pedestrian facilities								
Est Total Cost: \$942										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
SRTS	\$671	\$671								\$671
Local Funds	\$271	\$271								\$271
TOTAL	\$942	\$942								\$942

COMPLETED

MPO ID: CNTY78							ADOPTION: 16-00			
Project Title:	Inland Rail Trail - County of San Diego						TransNet - LSI: CR			
Project Description:	NCTD Right of Way from City of San Marcos/County border to City of Vista/County border - in unincorporated North County Metro: the current funds programmed are for the segment from City of San Marcos/County border to City of Vista/County border; construct bicycle/pedestrian trail within NCTD right of way									
Capacity Status: NCI Exempt Category: Air Quality - Bicycle and pedestrian facilities										
Est Total Cost: \$2,328										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - LSI	\$728	\$728						\$728		
TransNet - LSI (Cash)	\$139	\$139						\$139		
BTA	\$1,461	\$1,461								\$1,461
TOTAL	\$2,328	\$2,328						\$867		\$1,461

COMPLETED

MPO ID: CNTY80							ADOPTION: 16-00			
Project Title:		Sweetwater River Trail, Phase III								
Project Description:		Sweetwater River Trail from Willow Street to Sweetwater Staging Area in Bonita - this project is an improvement to an existing multi use trail(pedestrian,equestrian,bicycle)approximately 1.43 miles in length								
Capacity Status: NCI		Exempt Category: Air Quality - Bicycle and pedestrian facilities								
Est Total Cost: \$535										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
RTP	\$396	\$396						\$396		
Coastal Conservancy	\$104	\$104						\$104		
Local Funds	\$35	\$35						\$35		
TOTAL	\$535	\$535						\$139 \$396		

Table A-2 - Completed/Deleted/Delayed Projects
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

San Diego County

COMPLETED

MPO ID: CNTY91							ADOPTION: 16-00				
Project Title:		Creelman Lane Road Improvements					TransNet - LSI: CR				
Project Description:		Creelman Lane from San Vicente Rd to just east of Casteel Lane - in unincorporated Ramona: paving of Creelman Lane (greater than 1-inch thick)									
		Capacity Status: NCI		Exempt Category: Safety - Pavement resurfacing and/or rehabilitation							
Est Total Cost: \$443											
		TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - LSI		\$337	\$337						\$30		\$307
Local Funds		\$106	\$106						\$55		\$51
TOTAL		\$443	\$443						\$85		\$358

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Table A-2 - Completed/Deleted/Delayed Projects
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

San Diego, City of

COMPLETED

MPO ID: CAL270								ADOPTION: 16-00			
Project Title:		San Diego - San Ysidro City (part of Lump Sum CAL104)									
Project Description:		Multiple Schools in the City of San Ysidro. - In the City of San Ysidro at multiple schools, conduct comprehensive education and safety awareness strategies; implement "Walk and Wheel to School," an outreach effort; conduct walk audits, develop informational brochures, conduct workshops.									
		Capacity Status: NCI Exempt Category: Air Quality - Bicycle and pedestrian facilities									
Est Total Cost: \$495											
		TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
SRTS		\$495	\$495								\$495
TOTAL		\$495	\$495								\$495

COMPLETED

MPO ID: CAL271								ADOPTION: 16-00		
Project Title:		San Diego - Schools (part of Lump Sum CAL104)								
Project Description:		Multiple Schools in the City of San Diego. - In the City of San Diego at multiple schools, create a SESD Safety Resource Network, a formalized partnership with local community-based governmental, and enforcement organizations.								
		Capacity Status: NCI Exempt Category: Air Quality - Bicycle and pedestrian facilities								
Est Total Cost: \$500										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
SRTS	\$500	\$500								\$500
TOTAL	\$500	\$500								\$500

COMPLETED

MPO ID: SD14

ADOPTION: 16-00

Project Title:

SR 15 Bikeway

TransNet - LSI: CR

Project Description:

State Route 15 from Landis Street to Adams Avenue - in San Diego, Pedestrian and bicycle right-of-way improvements along I-15 corridor including widened pedestrian paths, lighting, signage, striping and signal improvements (S-00731/S-00732/S00733) remaining funding for construction of this project is programmed in V04, Smart Growth Incentive Program

Capacity Status: NCI

Exempt Category: Air Quality - Bicycle and pedestrian facilities

Est Total Cost: \$982

	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - B	\$57	\$57						\$57		
TransNet - LSI	\$160	\$160						\$40		\$120
TransNet - LSI Carry Over	\$120	\$120								\$120
CMAQ	\$645	\$645						\$525		\$120
TOTAL	\$982	\$982						\$622		\$360

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Table A-2 - Completed/Deleted/Delayed Projects
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

San Diego, City of

COMPLETED

MPO ID: SD29							ADOPTION: 16-00			
Project Title:		43rd/Logan/National Avenues					TransNet - LSI: CR			
Project Description:		43rd Street from Logan to National - intersection realignments (CIP 52-409/S00845))								
Capacity Status:		NCI		Exempt Category: Other - Intersection channelization projects						
Est Total Cost: \$8,665										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - L	\$550	\$550						\$550		
TransNet - LSI Carry Over	\$2,575	\$2,575						\$2,575		
Local Funds	\$5,540	\$5,540						\$50		\$5,490
TOTAL	\$8,665	\$8,665						\$50	\$550	\$8,065

COMPLETED

MPO ID: SD86							ADOPTION: 16-00				
Project Title:	Famosa Slough Salt Marsh Restoration						TransNet - LSI: CR				
Project Description:	West Point Loma Blvd. from Rue D'Orleans to Famosa Blvd. - in San Diego, provide enhanced pedestrian and bicycle access, and usability to the open space area by leveling and widening access road which would improve emergency vehicle access and also provided mitigation for impacts to coastal salt marsh; no additional travel lanes (CIP 12-152.0, S-00605)										
Capacity Status:		NCI		Exempt Category:		Air Quality - Bicycle and pedestrian facilities					
Est Total Cost: \$220											
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON	
TransNet - L	\$129	\$129						\$89		\$40	
TransNet - LSI	\$69	\$69								\$69	
TransNet - LSI Carry Over	\$22	\$22								\$22	
TOTAL	\$220	\$220						\$89		\$131	

COMPLETED

MPO ID: SD103			ADOPTION: 16-00							
Project Title:	I-5/Genesee Ave Interchange							RTP PG NO: A-5		
Project Description:	Along I- 5 from Sorrento Valley Road to Genesee Avenue - in San Diego, replace Genesee Ave. over crossing from 4-lane bridge with 6-lane bridge; construct auxiliary lanes and replace Voigt Drive bridge; add additional lane at on/off ramp to Sorrento Valley Rd.; add one carpool lane and one general purpose lane to on ramp from Sorrento Valley Road to southbound I-5; install ramp meters at on ramp and construct a southbound auxiliary lane between Sorrento Valley Road and Genesee Avenue (CIP S00839)							RAS (TA7-41) <i>TransNet</i> - LSI: CR		
Capacity Status: CI			Exempt Category: Non-Exempt							
Est Total Cost: \$18,596			Open to Traffic: Jun 2017							
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
<i>TransNet</i> - L (Cash)	\$102	\$102								\$102
<i>TransNet</i> - LSI (Cash)	\$579	\$579								\$579
<i>TransNet</i> - LSI Carry Over	\$500	\$500								\$500
Local Funds	\$15,265	\$15,265						\$9,940	\$3,960	\$1,365
Local RTCIP	\$2,150	\$2,150								\$2,150
TOTAL	\$18,596	\$18,596						\$9,940	\$3,960	\$4,696
*Project supplements CAL75										

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Table A-2 - Completed/Deleted/Delayed Projects
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

San Diego, City of

COMPLETED

MPO ID: SD114							ADOPTION: 16-00			
Project Title:		Rose Creek Beach Bikeway (part of Lump Sum V12)					TransNet - LSI: CR			
Project Description:		Rose Creek to westerly end of Pacific Beach - design class I bike path (581470)								
Capacity Status:		NCI		Exempt Category: Air Quality - Bicycle and pedestrian facilities						
Est Total Cost: \$4,350										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - L	\$350	\$350						\$350		
TransNet - LSI Carry Over	\$4,000	\$4,000								\$4,000
TOTAL	\$4,350	\$4,350						\$350		\$4,000

COMPLETED

MPO ID: SD127			ADOPTION: 16-00							
Project Title:	Ted Williams Parkway Pedestrian Bridge at Shoal Creek - Phase 1							EARMARK NO: 09CA017, CA373,		
Project Description:	Along Shoal Creek Drive to facilitate crossing of Ted Williams Parkway - in San Diego; construct a pedestrian bridge at Shoal Creek Drive; (this phase includes preliminary engineering,environmental, right of way, and construction) (CIP 54-012.0/S00938/S00941)							CA827 <i>TransNet</i> - LSI: CR		
Capacity Status: NCI			Exempt Category: Air Quality - Bicycle and pedestrian facilities							
Est Total Cost: \$5,439										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
<i>TransNet</i> - L	\$210	\$210						\$210		
<i>TransNet</i> - LSI	\$30	\$30						\$30		
<i>TransNet</i> - LSI Carry Over	\$3,220	\$3,220						\$110		\$3,110
HPP	\$1,325	\$1,325						\$633		\$692
TCSP	\$534	\$534								\$534
Local Funds	\$120	\$120						\$120		
TOTAL	\$5,439	\$5,439						\$1,103		\$4,336

COMPLETED

MPO ID: SD141							ADOPTION: 16-00			
Project Title:	Poway Road Bike Lane (part of Lump Sum V12)						RAS (TA 4-72)			
Project Description:	Poway Road from I-15 to Sabre Springs Pkwy - in San Diego, install Class I bicycle lane along the south side (CIP S-00943)						TransNet - LSI: CR			
Capacity Status: NCI		Exempt Category: Air Quality - Bicycle and pedestrian facilities								
Est Total Cost: \$2,580										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - B	\$500	\$500								\$500
TransNet - LSI Carry Over	\$980	\$980								\$980
Local Funds	\$1,100	\$1,100								\$1,100
TOTAL	\$2,580	\$2,580								\$2,580

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Table A-2 - Completed/Deleted/Delayed Projects
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

San Diego, City of

COMPLETED

MPO ID: SD153							ADOPTION: 16-00				
Project Title:	25th Street Renaissance							TransNet - LSI: CR			
Project Description:	25th Street from F Street to Russ Boulevard (Balboa Park) including adjacent intersecting streets along 25th Street from F Street to Russ Boulevard - in San Diego, augments existing Smart Growth projects (V10) related infrastructure improvements to include the construction of amenities to improve pedestrian safety and provide traffic calming, the focus of improvements is between E Street and B Street, including the installation of curb pop-outs, reverse angle parking, bike lanes, and restriping from 4 lanes to 2 lanes and a center left-turn lane; the improvements will promote and improve pedestrian safety at intersection crossings and create a more walkable neighborhood(CIP S-00985)										
Capacity Status:		NCI		Exempt Category:		Other		- Intersection channelization projects			
Est Total Cost: \$2,266											
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON	
TransNet - LSI	\$284	\$284						\$200		\$84	
TransNet - LSI Carry Over	\$1,982	\$1,982								\$1,982	
TOTAL	\$2,266	\$2,266						\$200		\$2,066	

COMPLETED

MPO ID: SD156								ADOPTION: 16-00		
Project Title:	34th and 35th at Madison Avenue Improvements							TransNet - LSI: CR		
Project Description:	On 34th and 35th Streets from Adams to Madison; from Felton to 35th Street - in San Diego, construction of new sidewalk and drainage improvements including curbs and gutters (CIP 52-774.0,S-00922)									
	Capacity Status: NCI		Exempt Category: Safety - Pavement resurfacing and/or rehabilitation							
Est Total Cost: \$1,396										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - L	\$60	\$60						\$60		
TransNet - LSI	\$554	\$554						\$120	\$46	\$388
TransNet - LSI Carry Over	\$782	\$782								\$782
TOTAL	\$1,396	\$1,396						\$180	\$46	\$1,170

COMPLETED

MPO ID: SD162							ADOPTION: 16-00				
Project Title:		Home Avenue Street Improvements					TransNet - LSI: CR				
Project Description:		Home Avenue from Menlo Ave to 47th St - in San Diego, install roadway improvements(CIP 29-865.0, S-00673)									
Capacity Status:		NCI		Exempt Category: Safety - Pavement resurfacing and/or rehabilitation							
Est Total Cost: \$950											
		TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - L		\$250	\$250						\$250		
TransNet - LSI		\$80	\$80								\$80
TransNet - LSI Carry Over		\$620	\$620								\$620
TOTAL		\$950	\$950						\$250		\$700

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Table A-2 - Completed/Deleted/Delayed Projects
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

San Diego, City of

COMPLETED

MPO ID: SD173				ADOPTION: 16-00						
Project Title:		38th Street Improvements						TransNet - LSI: CR		
Project Description:		38th Street from Dwight to Myrtle - this project provides for full street reconstruction to include the installation of new sidewalk with pedestrian ramps, and roadway drainage improvements including curbs and gutters. (CIP 52-782.0)S00930								
Capacity Status:		NCI		Exempt Category: Safety - Pavement resurfacing and/or rehabilitation						
Est Total Cost: \$1,300										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - L	\$100	\$100						\$100		
TransNet - LSI Carry Over	\$1,200	\$1,200						\$650		\$550
TOTAL	\$1,300	\$1,300						\$750		\$550

COMPLETED

MPO ID: SD175							ADOPTION: 16-00			
Project Title:	Talbot Street Slope						TransNet - LSI: CR			
Project Description:	On Talbot Street at Martinez Street - in San Diego, stabilize adjacent slope to prevent slope failure which would create capacity impeding conditions by impacting vehicle usage of roadway (CIP 13-501.0,S-00609)									
	Capacity Status: NCI		Exempt Category: Other - Plantings, landscaping, etc							
Est Total Cost: \$3,406										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - L	\$250	\$250						\$250		
TransNet - LSI Carry Over	\$1,156	\$1,156								\$1,156
Local Funds	\$2,000	\$2,000								\$2,000
TOTAL	\$3,406	\$3,406						\$250		\$3,156

COMPLETED

MPO ID: SD196							ADOPTION: 16-00			
Project Title:		Torrey Pines Road Improvements, Phase 1					TransNet - LSI: CR			
Project Description:		Torrey Pines Road from Prospect Place to La Jolla Shores Drive - improvements to include guardrails, medians, a new traffic signal, bike lanes and sidewalks (CIP S-00613)								
Capacity Status:		NCI		Exempt Category: Air Quality - Bicycle and pedestrian facilities						
Est Total Cost: \$900										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - LSI	\$212	\$212							\$212	
TransNet - LSI Carry Over	\$588	\$588							\$55	\$533
Local Funds	\$100	\$100								\$100
TOTAL	\$900	\$900							\$267	\$633

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Table A-2 - Completed/Deleted/Delayed Projects
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

San Diego, City of

COMPLETED

MPO ID: SD212							ADOPTION: 16-00				
Project Title:		Holly Drive					TransNet - LSI: CR				
Project Description:		Holly Drive from S Willie James Jones Avenue to South Euclid Ave - installation of curb, gutter, sidewalk, AC pavement, retaining walls, fences, curb ramps, driveways, on and off-site drainage, and traffic striping on Holly Drive between South Willie James Jones Avenue and South Euclid Avenue S-11033									
		Capacity Status: NCI		Exempt Category: Safety - Pavement resurfacing and/or rehabilitation							
Est Total Cost: \$2,075											
		TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - L (Cash)		\$140	\$140						\$140		
TransNet - LSI Carry Over		\$75	\$75								\$75
Local Funds		\$1,860	\$1,860								\$1,860
TOTAL		\$2,075	\$2,075						\$140		\$1,935

COMPLETED

MPO ID: SD222							ADOPTION: 16-00				
Project Title:	Chollas Creek to Bayshore Bikeway - Multi-Use Path Design (part of Lump Sum V12)							SANDAG ID: 1223042			
Project Description:	From to - A Class I Multi-Use Path, providing a critical connection between Southeastern San Diego, Barrio Logan, the San Diego Bay and Downtown San Diego for everyday non-motorized travel. Project is located on the Chollas Creek corridor between the Southcrest Trails Park in Southeastern San Diego and the Bayshore Bikeway near Harbor Drive and 32nd Street. - #1223042										
	Capacity Status: NCI		Exempt Category: Air Quality - Bicycle and pedestrian facilities								
Est Total Cost: \$541											
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON	
TransNet - BPNS	\$441	\$441								\$441	
Local Funds	\$100	\$100								\$100	
TOTAL	\$541	\$541								\$541	

COMPLETED

MPO ID: SD229										ADOPTION: 16-00		
Project Title:		Island Ave. Green Street Mobility Improvements (part of Lump Sum V10)							SANDAG ID: 1224023			
Project Description:		From to -										
		Capacity Status: NCI		Exempt Category: Other - Transportation enhancement activities								
Est Total Cost: \$1,000												
		TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON	
TransNet - SGIP		\$1,000	\$1,000						\$1,000			
TOTAL		\$1,000	\$1,000						\$1,000			

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Table A-2 - Completed/Deleted/Delayed Projects
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

San Diego, City of

COMPLETED

MPO ID: SD230							ADOPTION: 16-00				
Project Title: Wayfinding Signage (part of Lump Sum V10)							SANDAG ID: 1224024				
Project Description: From to -											
Capacity Status: NCI							Exempt Category: Other - Transportation enhancement activities				
Est Total Cost: \$335											
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON	
TransNet - SGIP	\$335	\$335								\$335	
TOTAL	\$335	\$335								\$335	

COMPLETED

MPO ID: SD233								ADOPTION: 16-00			
Project Title:		Torrey Meadows Drive Overcrossing									
Project Description:		Torrey Meadows Drive over State Route 56 - this project provides for the design and construction of a two-lane overcrossing of Torrey Meadows Drive over State Route 56; this project will include the bridge approaches on each side of the bridge, approximately 200 linear feet of a two-lane local collector road, together with any right-of-way not previously acquired as part of the State Route 56 project (CIP S10015)									
Capacity Status:		NCI		Exempt Category: Safety - Railroad/highway crossing							
Est Total Cost: \$9,116											
		TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
Local Funds		\$9,116	\$9,115						\$1,243	\$2,560	\$5,313
TOTAL		\$9,116	\$9,115						\$1,243	\$2,560	\$5,313

COMPLETED

MPO ID: SD234								ADOPTION: 16-00				
Project Title:			Chollas Creek-Bayshore Bikeway Final Design (part of Lump Sum V14)									
Project Description:			From to - Final design and construction plans for 0.75 mile segment of multi-use path connecting from Southeastern San Diego along the Chollas Creek to the Bayshore Bikeway in Barrio Logan.									
Capacity Status:			NCI									
			Exempt Category:					Air Quality - Bicycle and pedestrian facilities				
Est Total Cost: \$735												
		TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON	
ATP - S		\$735	\$735						\$695	\$20	\$20	
TOTAL		\$735	\$735						\$695	\$20	\$20	

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Table A-2 - Completed/Deleted/Delayed Projects
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

San Diego, City of

COMPLETED

MPO ID: SD236							ADOPTION: 16-00				
Project Title:		Pedestrian Improvements on Texas Street						RAS (TA 4-73)			
Project Description:		Texas Street from Camino del Rio to El Cajon Blvd - in San Diego, on Texas Street from Camino del Rio south to Madison Avenue, install pedestrian lighting and sidewalk (RD13000)									
		Capacity Status: NCI		Exempt Category: Air Quality - Bicycle and pedestrian facilities							
Est Total Cost: \$726											
		TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
Local RTCIP		\$726	\$726						\$726		
TOTAL		\$726	\$726						\$726		

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Table A-2 - Completed/Deleted/Delayed Projects
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

San Marcos, City of

COMPLETED

MPO ID: CAL273							ADOPTION: 16-00			
Project Title:	Richland Elementary School Improvements- Borden Rd./Richland Rd./Rose Ranch Rd. (part of Lump Sum CAL104)									
Project Description:	Borden Rd./Richland Rd. and Richland Rd./Rose Ranch Rd. - In San Marcos at Borden Rd./Richland Rd. and Richland Rd./Rose Ranch Rd., Install traffic signal, speed feedback signs, signs, and striping; construct sidewalk, curb and gutter.									
	Capacity Status: NCI		Exempt Category: Air Quality - Bicycle and pedestrian facilities							
Est Total Cost: \$490										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
SRTS	\$490	\$490								\$490
TOTAL	\$490	\$490								\$490

COMPLETED

MPO ID: SM38				ADOPTION: 16-00						
Project Title:	FY12-FY15 Street Maintenance Operations #545000							TransNet - LSI: Maint		
Project Description:	Various Locations throughout the City to include:, Twin Oaks Valley Road, Mission Road, Woodland Parkway, Mulberry Drive, Richland Road, Wild Canyon Drive, Grand Avenue, Pebble Beach Dr., Killarney Terrace, Concord Pl, Wentworth Pl, Bandak Ct, Lancashire Pl, Crownview Ct, Berkshire Ct, Turbberly Dr, Bay Hill Dr, Medinah Rd, Muirfield Way, Prestwick Ct, Brass Lantern Rd, Carriage Dr, Candlelite Dr, Lamplighter Rd, Shady Crest Rd, Violet Ave, Yarrow Way, Carnation Ct, Lacebark St, Janet Pl, Davey Way, Dale Ct, Karen Ct, Briant St, Noreen Ct, Palomino Ct, Merlin Ct, Cornwell Ct, Amber Dr, Jade Pl, Topaz Pl, Montiel Rd, Palomar Dr, Dawn Ct, Leslie Ct, Paseo Alegre, Via La Ranchita, Via Arboles, Rambla Brisa, Rambla Serena, Rambla Puesta, Via Ronda, - roadway, street lighting, traffic signal, signage maintenance									
	Capacity Status: NCI		Exempt Category: Safety - Pavement resurfacing and/or rehabilitation							
Est Total Cost: \$3,936										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - LSI	\$1,663	\$1,663								\$1,663
TransNet - LSI Carry Over	\$2,273	\$2,273								\$2,273
TOTAL	\$3,936	\$3,936								\$3,936

DELETED

MPO ID: SM43							ADOPTION: 16-00							
Project Title:		Street Improvements and Widening on Barham Drive-#88177						RTP PG NO: A-34						
Project Description:		Barham Drive from Twin Oaks Valley Road to La Moree Road - in the City of San Marcos, on Barham Drive between Twin Oaks Valley Road and La Moree Road, widen and reconstruct the north side of Barham Drive to a 6-lane prime arterial and associated work						RAS (TA 4-76)						
		Capacity Status: CI		Exempt Category: Non-Exempt										
Est Total Cost: \$0												Open to Traffic: Jan 2019		
		TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON			
TOTAL														

Tuesday, September 20, 2016

Table A-2 - Completed/Deleted/Delayed Projects
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

San Marcos, City of

DELETED

MPO ID: SM45							ADOPTION: 16-00				
Project Title:		San Marcos Creek Bridge at State Route 78 #88197									
Project Description:		From San Marcos Blvd to Twin Oaks Valley Rd - construct a bridge on SR-78 at San Marcos Creek between Twin Oaks Valley Road and San Marcos Boulevard Interchange; construct a culvert									
RT:78		Capacity Status: NCI		Exempt Category: Safety - Non capacity widening or bridge reconstruction							
Est Total Cost: \$0											
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON	
	TOTAL										

COMPLETED

MPO ID: SM51

ADOPTION: 16-00

Project Title:

San Marcos Bicycle and Pedestrian Plan #88524 (part of Lump Sum V12)

Project Description:

From to - Identifies needed improvements to the existing network and new routes to provide bicycle and pedestrian connectivity. Contains education and encouragement programs to help encourage non-motorized travel. - #1223046

Capacity Status:

NCI

Exempt Category:

Air Quality - Bicycle and pedestrian facilities

Est Total Cost:

\$91

	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - BPNS	\$73	\$73						\$73		
Local Funds	\$18	\$18						\$18		
TOTAL	\$91	\$91						\$91		

COMPLETED

MPO ID: SM52							ADOPTION: 16-00			
Project Title:		San Marcos Blvd. Complete Street Multi-Way Blvd. #84001 (part of Lump Sum V12)								
Project Description:		From to - Project creates a set of Complete Street concepts for the future re-development of San Marcos Boulevard.								
		Capacity Status: NCI		Exempt Category: Air Quality - Bicycle and pedestrian facilities						
Est Total Cost: \$305										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - BPNS	\$105	\$105						\$105		
Local Funds	\$200	\$200						\$200		
TOTAL	\$305	\$305						\$305		

Table A-2 - Completed/Deleted/Delayed Projects
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

San Marcos, City of

COMPLETED

MPO ID: SM53							ADOPTION: 16-00				
Project Title:	Armorlite Complete Street Corridor (part of Lump Sum V10)							SANDAG ID: 1224026			
Project Description:	From to - The project will reconfigure Armorlite Drive, N. Las Posas Road to Bingham Drive, to accommodate a complete street concept. Improvements include street parking, bike facilities, pedestrian pathways, lighting and landscaping and traffic calming measures.										
	Capacity Status: NCI		Exempt Category: Other - Transportation enhancement activities								
Est Total Cost: \$2,959											
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON	
TransNet - SGIP	\$1,000	\$1,000						\$119		\$881	
Local Funds	\$1,959	\$1,959						\$153		\$1,806	
TOTAL	\$2,959	\$2,959						\$272		\$2,687	

DELETED

MPO ID: SM55										ADOPTION: 16-00		
Project Title:		Borden Road Widening and Improvements - #88542							RTP PG NO: B-41			
Project Description:		Borden Road from Vineyard to Mulberry - widening of Borden Road will add an additional roadway capacity to accommodate increase in traffic volumes							RAS (M-48)			
		Capacity Status: CI		Exempt Category: Non-Exempt								
Est Total Cost: \$0 Open to Traffic: Jan 2020												
		TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON	
		TOTAL										

COMPLETED

MPO ID: SM57							ADOPTION: 16-00			
Project Title:	On the Move Transportation Program (part of Lump Sum V16)							SANDAG ID: 1272300		
Project Description:	From to - This project will allow the City of San Marcos to increase the number of taxi vouchers distributed to seniors on a monthly basis and enhance the availability of transportation for seniors.									
	Capacity Status: NCI		Exempt Category: Mass Transit - Transit operating assistance							
Est Total Cost: \$44										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - SS	\$35	\$35						\$35		
Local Funds	\$9	\$9						\$9		
TOTAL	\$44	\$44						\$44		

Tuesday, September 20, 2016

Table A-2 - Completed/Deleted/Delayed Projects
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

Santee, City of

COMPLETED

MPO ID: CAL275								ADOPTION: 16-00			
Project Title:		Santee - Mast Blvd. (part of Lump Sum CAL104)									
Project Description:		Mast Blvd./Jeremy St. - In Santee at Mast Blvd./Jeremy St., construct raised median, pedestrian island refuge, and curb ramps; install signs.									
		Capacity Status: NCI Exempt Category: Air Quality - Bicycle and pedestrian facilities									
Est Total Cost: \$407											
		TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
SRTS		\$407	\$407						\$407		
TOTAL		\$407	\$407						\$407		

COMPLETED

MPO ID: SNT19							ADOPTION: 16-00				
Project Title:		San Diego River Trail - South Side of the San Diego River (part of Lump Sum V12)									
Project Description:		From to - Improves trail by installing a Class I bike path with decomposed granite shoulders for pedestrians. Project is located on the south side of the San Diego River from Cuyamaca Street to 800 feet to the west. - #1223049									
		Capacity Status: NCI Exempt Category: Air Quality - Bicycle and pedestrian facilities									
Est Total Cost: \$282											
		TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - BPNS		\$282	\$282								\$282
TOTAL		\$282	\$282								\$282

COMPLETED

MPO ID: SNT21								ADOPTION: 16-00			
Project Title:		San Diego River Trail Walker Preserve, CIP 2011-35									
Project Description:		This project is part of the San Diego River Trail Master Plan and will construct a segment from Magnolia Avenue to the eastern city limit at Lakeside - design and construction of approximately 1.3 miles of pedestrian/bike trails along the north side of the San Diego River from Magnolia Avenue to the eastern city limit at Lakeside; improvements will include a stabilized surface, wooden fencing, benches, picnic tables, and interpretive signs (State Project No. RT-37-026)									
		Capacity Status: NCI Exempt Category: Air Quality - Bicycle and pedestrian facilities									
Est Total Cost: \$4,920											
		TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
RTP		\$248	\$248								\$248
Local Funds		\$4,672	\$4,672						\$275	\$2,145	\$2,252
TOTAL		\$4,920	\$4,920						\$275	\$2,145	\$2,500

Tuesday, September 20, 2016

Table A-2 - Completed/Deleted/Delayed Projects
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

Solana Beach, City of

COMPLETED

MPO ID: SB11				ADOPTION: 16-00							
Project Title:		Traffic Calming Improvements						TransNet - LSI: CR			
Project Description:		South Cedros Avenue, Valley Avenue, Genevieve at Stevens, Santa Helena and San Andres Drive - installation of traffic calming improvements such as medians and curb pop-outs, determined through the City's Neighborhood Traffic Management Program									
		Capacity Status: NCI		Exempt Category: Safety - Adding medians							
Est Total Cost: \$345											
		TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - L (Cash)		\$29	\$29								\$29
TransNet - LSI Carry Over		\$316	\$316								\$316
TOTAL		\$345	\$345								\$345

COMPLETED

MPO ID: SB15							ADOPTION: 16-00				
Project Title:	Solana Beach Comprehensive Active Transportation Strategies (CATS) (part of Lump Sum V12)										
Project Description:	From to - Comprehensive update of the bicycle master plan, and consideration of pedestrian facilities and traffic calming needs, especially around schools, transit and commercial neighborhoods. - #1223050										
	Capacity Status: NCI		Exempt Category: Air Quality - Bicycle and pedestrian facilities								
Est Total Cost: \$144											
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON	
TransNet - BPNS	\$136	\$136						\$136			
Local Funds	\$8	\$8						\$8			
TOTAL	\$144	\$144						\$144			

Tuesday, September 20, 2016

Table A-2 - Completed/Deleted/Delayed Projects
2016 Regional Transportation Improvement Program
San Diego Region (in \$000s)

Vista, City of

DELAYED

MPO ID: VISTA49				ADOPTION: 16-00						
Project Title:	Olive Avenue Overpass Study CIP8252							RAS (M-39)		
Project Description:	Olive Avenue from Orange/N. Santa Fe to Olive Avenue - study examines a potential street segment that would connect Olive Avenue to Orange Street and N. Santa Fe Avenue via an overpass of the NCTD railway; the new segment is needed due to heavy congestion at the existing railway crossing at the Olive Ave/Vista Village Dr/S. Santa Fe Dr intersections; this segment would be designated as a two-lane collector with a center left turn lane, which requires a 70-foot wide right-of-way							TransNet - LSI: CR		
Capacity Status: NCI				Exempt Category: Other - Engineering studies						
Est Total Cost: \$101										
	TOTAL	PRIOR	16/17	17/18	18/19	19/20	20/21	PE	RW	CON
TransNet - LSI Carry Over	\$101	\$101						\$101		
TOTAL	\$101	\$101						\$101		

Appendix A-3

Expedited Project Selection Process

Appendix A-3

Expedited Project Selection Process

Federal Regulations 23 CFR 450.330 and Title 23 of the United States Code allow for the movement of projects within the quadrennial element of the Federal Transportation Improvement Program (FTIP), subject to procedures agreed to by the cooperating parties. SANDAG as the Metropolitan Planning Organization for the San Diego region has in place a formal project selection process agreed to by all of the region's partners, including the two transit districts.

SANDAG developed the project selection process through numerous consultations and cooperation of our region's partners – Caltrans, North County Transit District, Metropolitan Transit System, and local agencies. The SANDAG Board of Directors formally adopted the process and criteria as part of the Regional Plan in October 2015. The projects included in the 2016 Regional Transportation Improvement Program (RTIP) reflect the projects prioritized in the Regional Plan via the project selection process and projects from the first four years of the 2016 RTIP (2017 FSTIP) have been selected using the approved project selection procedures. Projects in the quadrennial element are either already in construction or identified as ready to deliver. The project selection criteria for these projects are derived from Appendix M from the Regional Plan. This appendix describes the process for developing evaluation criteria for prioritizing transportation projects included in the Regional Plan and the 2016 RTIP.

For projects within the State Transportation Improvement Program, SANDAG would advance projects subject to amendments or allocations approved by the California Transportation Commission.

For projects in which the State acts as the program manager, the decision for priority lies with the state. These programs include, among others, the State Highway Operation and Protection Program, Highway Bridge Program, Section 130 Rail program, Active Transportation Program, High Risk Rural Roads Program, and Highway Safety Improvement Program.

Appendix M

Transportation Project Evaluation Criteria and Rankings

Appendix M

Transportation Project Evaluation Criteria and Rankings

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Transportation Project Evaluation Criteria and Rankings

Introduction

This Appendix describes the process for developing evaluation criteria for prioritizing highway, Managed Lanes and Managed Lane connectors, freeway connectors, transit service, active transportation, and rail grade separation projects for inclusion in the Preferred Revenue Constrained Transportation Scenario of San Diego Forward: The Regional Plan. This Appendix also includes information on the screening criteria for the regional arterial system.

In past Regional Transportation Plans (RTP), SANDAG utilized transportation project evaluation criteria informed by the plan goals as elements of a multistep process to prioritize and evaluate transportation projects in the development of the preferred revenue constrained transportation network. For the Regional Plan, an extensive update effort was undertaken, which included a comprehensive review of the 2050 RTP criteria, efforts to streamline the criteria, incorporate new goals and policy objectives, and input from the public and a peer review panel.

The Board of Directors approved the transportation project evaluation criteria at its October 11, 2013, meeting. Project evaluation criteria were applied to each modal category of projects in the Unconstrained Transportation Network.

Background

Vision and goals

In early 2013, the Board of Directors provided input to frame questions for a statistically significant telephone survey intended to gauge public opinion and to inform the development of the vision and goals as the policy foundation for the Regional Plan. Based on the results of the telephone survey, the broad categories with the most support, in order of overall preference, included:

- Improving the regional economy, business climate, and local job opportunities
- Maintaining what we've built, including streets, highways, and public facilities
- Protecting the environment, reducing air pollution, and making better use of renewable energy sources
- Improving the transportation system to improve the flow of people and goods
- Locating future housing and new businesses near major employment centers and transit services to reduce commute times and traffic congestion

After discussion of the survey results, the Board crafted the vision and three goals for the plan: (1) Innovative Mobility and Planning, (2) Healthy Environment and Communities, and (3) Vibrant Economy. The Board of Directors accepted the vision and goals for the San Diego Forward: The Regional Plan on May 10, 2013. The vision and goals guide all elements of the Regional Plan, including the project evaluation criteria.

Transportation Project Evaluation Criteria Development Process

Using the evaluation criteria from the 2050 RTP and Sustainable Communities Strategy (SCS) as a starting point, staff initiated the review and refinement of the transportation project evaluation criteria for San Diego Forward: The Regional Plan in February 2013. A consultant team with strong technical expertise assisted in the development of the draft criteria. Revisions to the criteria and methodologies were made to align them with the vision and goals accepted for the Regional Plan and to take advantage of the enhanced modeling tool: the Activity Based Model.

Transportation project evaluation criteria

The project evaluation criteria for San Diego Forward: The Regional Plan is organized within the three goals established by the Board: (1) Innovative Mobility and Planning, (2) Healthy Environment and Communities, and (3) Vibrant Economy. Each individual criterion is nested into one of the three goals. The Transportation Project Evaluation Criteria are included in Tables M.1, M.3, M.5, M.7, M.9, and M.11.

The refinements that were incorporated into the project evaluation criteria for the Regional Plan can be organized into three broad areas: (1) model enhancement-related, (2) new criteria, and (3) reorganized criteria. The majority of proposed changes to the criteria have resulted from newer capabilities of the model enhancements, which allow greater analysis of household travel. Project evaluation criteria that have benefited from model enhancements include: *provides congestion relief, serves daily trips, facilitates FasTrak®/carpool/transit, pedestrian and bike mobility, serves Regional Comprehensive Plan (RCP) Smart Growth areas, provides accessibility, serves goods movement, and project cost-effectiveness*. Other new modal criteria are incorporated, including *physical activity, and access to schools, recreational areas, and beaches*.

Active transportation criteria were also included as a modal category for the first time in the Regional Plan and were developed through similar combined efforts with local jurisdictions, partner agencies, SANDAG working groups, other stakeholders, consultants, and the general public. The majority of the criteria are consistent with other modal categories, including *serves daily trips, safety, greenhouse gas and pollutant emissions, serves RCP Smart Growth areas, physical activity, accessibility, and cost-effectiveness, greenhouse gas reductions, disadvantaged communities¹ served by the project, and cost-effectiveness* criteria were added to the rail grade separation category to provide greater consistency of analysis across modal categories.

SANDAG has been developing active transportation enhancements to the Activity-based Model (ABM). The Active Transportation criteria were intended to be used with the active transportation-enhanced ABM. However, these enhancements were not completed in time to be used in application of the Active Transportation criteria, so the project rankings from *Riding to 2050: The San Diego Regional Bike Plan* was utilized.

Cost-effectiveness and jobs criterion

A more comprehensive cost-effectiveness and jobs criterion was included that builds upon the 2050 RTP/SCS method, which evaluated the person hours saved or ridership of the project relative to its capital costs and operating and maintenance costs. For the Regional Plan, the cost-effectiveness criterion monetized a number of factors such as fuel costs, greenhouse gas emissions, smog-forming pollutants, physical activity, travel time savings, safety, and the value of jobs created by the project, which were compared to the capital, operating, and maintenance cost of the project. While analyses such as the project cost-effectiveness criterion attempt to capture the economic effects of the projects as comprehensively as possible, such analyses may not fully reflect the importance of individual factors to the project prioritization process. As a result, some components of the project cost-effectiveness criterion also are reflected in other evaluation criteria to capture the relative importance of these factors.

Public outreach

SANDAG received input on the project evaluation criteria from regional stakeholders at meetings of the Active Transportation Working Group, Cities and County Technical Advisory Committee, community-based organization partners, Freight Stakeholders Working Group, Independent Taxpayer Oversight Committee (ITOC), Public Health Stakeholders Working Group, Regional Planning Technical Working Group, and the Tribal Transportation Working Group. Staff also sought input from other partner agencies including Caltrans, the Metropolitan Transit System (MTS), and the North County Transit District (NCTD). Input on the prioritization of transportation projects also was solicited from the public at the San Diego Forward: The Regional Plan workshops held throughout the region and at Caltrans

in June 2013. In addition to the workshop series, a public workshop was held on August 5, 2013, with more than 75 participants. More than 400 comments were collected from local jurisdictions, partner agencies, stakeholders, and the general public. This feedback provided valuable information that was considered in development of the final project evaluation criteria.

Peer review

A five-person peer review panel was created to review and assess the criteria, and to consider feedback and input that was proposed to be incorporated into the criteria. Panelists included staff from the San Francisco Bay Area Metropolitan Transportation Commission in Oakland, California and the Puget Sound Regional Council, Seattle, Washington. Experts from academia and the private sector included: Jennifer Dill, Professor, Nohad A. Toulon School of Urban Studies and Planning Director; Oregon Transportation Research & Education Consortium; Portland State University; Marty Wachs, Senior Principal Researcher at RAND, Distinguished Professor Emeritus in Urban Planning, University of California Los Angeles Luskin School of Public Affairs; and Joel Freedman, Manager, Systems Analysis Technical Resource Center, Parsons Brinckerhoff.

Based on the panel's review and comments received from working groups and the public, several refinements were made to the initial draft criteria. Additionally, individual criterion weightings were adjusted to provide greater consistency of common measures across modal categories.

Project evaluation criteria weightings

The project evaluation criteria weighting allocates roughly one-third of the total possible points for each of the goal focus areas. These proposed weightings reflect the highest regional priority areas, which are nested in the goals.

All mode categories have a 100-point scale, with each individual criterion allocated a specified maximum score. Feedback from the ITOC, as well as other SANDAG working group members, stakeholders, and the general public, was considered during the development of the proposed criteria weightings. As a result, additional weight was given to the greenhouse gas and pollutant emissions and cost-effectiveness criteria in the active transportation evaluation criteria, providing greater consistency with weighting of these criteria across modes.

Highway Corridors

SANDAG has used criteria for evaluating and ranking highway corridor projects since 1997. Using the 2050 RTP criteria as a starting point, a set of revised criteria which reflect the Board-adopted goals were developed.

The eleven highway evaluation criteria presented in Table M.1 quantify *congestion relief, project safety, provides access to evacuation routes, facilitates FasTrak/carpool/transit, pedestrian and bike mobility, minimizes habitat and residential impacts, greenhouse gas and pollutant emissions, serves RCP smart growth areas, physical activity, accessibility, serves goods movement and relieves freight system bottlenecks/capacity constraints, and project cost-effectiveness*. The approved highway criteria incorporates a number of refined or new elements including the daily person hours saved for disadvantaged communities; reduction in smog forming pollutants; increase in physical activity; and an expanded accessibility measure which quantifies access to jobs, schools, and recreation.

The highway network corridor evaluation was used to develop the Revenue Constrained Network alternatives and project phasing included in the Regional Plan. The 37 unconstrained highway corridors evaluated for the 2050 Regional Plan are listed in priority order in Table M.2.

The prioritized list of highway projects was used as a tool in assembling logical transportation networks of highway projects that complement transit and arterial projects. Priority order is not necessarily strictly followed. Rather, emphasis is placed upon developing meaningful networks in accordance with the Regional Plan goals and objectives.

Table M.1
Project Evaluation Criteria Highway Corridors

No.	Criteria	Description	Proposed Calculation	Max Score	Total Percent	Policy Objectives
<i>Innovative Mobility & Planning</i>						
1	Provides Congestion Relief	A) What is the number of daily person-hours saved from implementing the project?*	Change in daily person-hours saved	10	35	Mobility Choices
		B) What is the number of daily person-hours saved for disadvantaged communities?	Change in daily person-hours saved for disadvantaged communities population	5		
2	Project Safety	How does the project compare against the statewide average for collisions?*	Project percentage of collisions measured against statewide average	5		Preservation and Safety of the Transportation System
3	Provides Access to Evacuation Routes	How will the project provide evacuation access for regional hazard areas?	Proximity analysis of hazard areas (dam failure, earthquake, flood, landslide, liquefaction, tsunami, and wildfire), weighted by population and employment	5		Preservation and Safety of the Transportation System, Partnerships and Collaboration, Binational Collaboration with Baja California
4	Facilitates FasTrak/ Carpool/Transit, Pedestrian and Bike Mobility	How will the project facilitate FasTrak/carpool/Managed Lane facilities and/or regional or corridor transit services and/or pedestrian and bike access?	Projects will receive points if they include FasTrak/carpool/Managed Lane facility, and/or regional or corridor transit services, and/or pedestrian and bike facilities, which is then weighted by combined carpool person volume + transit person volume	10		Mobility Choices, Complete Communities

Table M.1 (continued)
Project Evaluation Criteria Highway Corridors

No.	Criteria	Description	Proposed Calculation	Max Score	Total Percent	Policy Objectives
<i>Healthy Environment & Communities</i>						
5	Minimizes Habitat and Residential Impacts	How will the project minimize negative habitat and residential impacts?*	Proximity analysis of preserve areas, native habitats, and housing (more than two dwelling units per acre)	5	30	Habitat and Open Space Preservation, Environmental Stewardship
6	Greenhouse gas and Pollutant Emissions	A) What is the reduction in CO ₂ emissions from implementing the project?*	Reduction in CO ₂ emissions	5		Environmental Stewardship, Energy and Climate Change Mitigation and Adaptation
		B) What is the reduction in smog forming pollutants from implementing the project?*	Reduction in smog-forming pollutants	5		
7	Serves RCP Smart Growth Areas	What is the share of trips on the facility serving RCP Smart Growth Areas (Metropolitan Center, Urban Center, and Special Use Center)?*	Share of trips on facility serving existing/planned or potential Metropolitan Center, Urban Center, and Special Use Center is calculated, using select link analysis	10		Complete Communities, Regional Economic Prosperity, Habitat and Open Space Preservation
8	Physical Activity	What is the increase in physical activity?	Increase in time engaged in moderate transportation-related physical activity	5		Mobility Choices, Complete Communities

Table M.1 (continued)

Project Evaluation Criteria Highway Corridors

No.	Criteria	Description	Proposed Calculation	Max Score	Total Percent	Policy Objectives
<i>Vibrant Economy</i>						
9	Accessibility	A) What is the improved access to jobs and schools?	Weighted average number of jobs and school enrollment accessible in 30 minutes by auto	4	35	Mobility Choices, Regional Economic Prosperity
		B) How will the project support access to recreational areas and beaches?	Acres of parkland/recreational areas and beaches within 1/4 mile of project	4		Complete Communities, Habitat and Open Space Preservation
		C) What percentage of users of the project access Indian reservations?	Select link used to determine origins and destinations served, total trips to/from Indian reservation areas	2		Mobility Choices, Partnerships and Collaboration
10	Serves Goods Movement and Relieves Freight System Bottlenecks/ Capacity Constraints	What is the improved average travel time for freight?*	Total travel time savings for medium and heavy truck classes	5		Mobility Choices, Regional Economic Prosperity, Binational Collaboration with Baja California
11	Project Cost-Effectiveness	What is the cost-effectiveness of the project?*	Enhanced cost-effectiveness measure incorporates the following components: - Project cost - Generalized delay costs - Fuel costs - greenhouse gas emissions - Smog-forming pollutants - Physical activity - Safety	20		Mobility Choices, Regional Economic Prosperity, Complete Communities, Binational Collaboration with Baja California, Preservation and Safety of the Transportation System, Environmental Stewardship, Energy and Climate Change Mitigation and Adaptation

* Provides dual evaluation for both passenger vehicles and trucks.

Table M.2

Highway Corridor Project Rankings

<i>TransNet</i> , Early Action Program (EAP)	Freeway/ Highway	From	To	Existing	With Improvements	Unconstrained Cost (\$2014) (millions)	Total Score	Regional Plan Project Rank
EAP (Env)	I-5	La Jolla Village Dr	Vandegrift	8F/10F+2HOV	8F/10F+4ML	\$3,045.2	57.7	1
EAP (Transit/Env)	I-805	SR 905	Carroll Canyon Rd	8F+2HOV	8F+2ML/8F+4ML	\$3,419.0	54.1	2
<i>TransNet</i>	SR 78	I-5	I-15	6F	6F+2ML/Operational	\$959.5	51.4	3
<i>TransNet</i>	I-5	SR 905	SR 15	8F	8F/10F+2HOV	\$651.5	45.2	4
n/a	SR 15	SR 94	I-805	6F	6F+2HOV	\$30.3	45.0	5
<i>TransNet</i>	SR 54	I-5	SR 125	6F	6F/8F+2HOV	\$232.3	37.2	6
<i>TransNet</i>	I-5	I-8	La Jolla Village Dr	8F/10F	8F/10F+2HOV	\$555.5	36.7	7
<i>TransNet</i>	I-5	SR 15	I-8	8F	8F+Operational	\$1,176.7	33.2	8
EAP (Transit)	I-15	I-8	SR 163	8F	8F+2HOV	\$55.6	31.6	9
EAP (Transit)	SR 94	I-5	I-805	8F	8F+2HOV	\$484.8	31.3	10
n/a	I-8	Los Coches	Dunbar Rd	4F/6F	6F	\$131.3	30.5	11
<i>TransNet</i>	SR 94	I-805	SR 125	8F	8F/10F+2ML	\$469.7	30.5	11
n/a	SR 76	I-15	Couser Canyon	2C	4C/6C+Operational	\$131.3	29.8	13
<i>TransNet</i>	I-8	2nd St	Los Coches	4F/6F	6F	\$35.4	29.2	14
<i>TransNet</i>	SR 125	SR 54	SR 94	6F	8F+2HOV	\$146.5	29.2	14
n/a	SR 125	SR 94	I-8	8F	10F+2HOV	\$292.9	29.1	16
n/a	I-8	SR 125	2nd St	6F/8F	6F/8F+Operational	\$166.7	28.9	17
n/a	I-15	Viaduct		8F	8F+2HOV	\$843.4	28.1	18
<i>TransNet</i>	SR 94	SR 125	Avocado Blvd	4F	6F	\$111.1	27.5	19
n/a	SR 52	I-5	I-805	4F	6F	\$111.1	26.5	20

Table M.2 (continued)

Highway Corridor Project Rankings

<i>TransNet</i> , Early Action Program (EAP)	Freeway/ Highway	From	To	Existing	With Improvements	Unconstrained Cost (\$2014) (millions)	Total Score	Regional Plan Project Rank
n/a	SR 15	I-5	SR 94	6F	8F+2HOV	\$136.4	26.3	21
n/a	SR 163	I-805	I-15	8F	8F+2HOV	\$333.3	25.9	22
n/a	SR 52	SR 125	SR 67	4F	6F	\$252.5	25.8	23
n/a	SR 125	SR 905	SR 54	4F	8F	\$232.3	25.2	24
n/a	SR 76	Couser Canyon	SR 79	2C	2C+Operational	\$632.8	25.1	25
n/a	SR 125	I-8	SR 52	6F	6F+2HOV	\$262.6	24.8	26
<i>TransNet</i>	SR 94	Avocado Blvd	Melody Ln	4C/2C	6C/2C+Operational	\$419.2	24.2	27
n/a	SR 905	I-5	I-805	4F	8F	\$156.6	23.6	28
<i>TransNet</i>	SR 56	I-5	I-15	4F	6F+2HOV	\$303.0	23.4	29
n/a	SR 15	Lake Hodges	SR 78	8F/10F	10F	\$232.3	21.7	30
<i>TransNet</i>	SR 67	Mapleview St	Dye Rd	2C/4C	4C	\$575.7	21.1	31
n/a	I-8	I-5	SR 125	8F/10F	8F/10F+Operational	\$666.6	20.7	32
n/a	SR 76	I-5	Melrose Dr	4E	6E	\$232.3	20.6	33
n/a	SR 52	I-805	I-15	6F	6F+2HOV	\$90.9	20.2	34
n/a	SR 67	I-8	Mapleview St	4F/6F	6F/8F	\$141.4	19.2	35
<i>TransNet</i> (2ML(R))	SR 52	I-15	SR 125	4F/6F	6F+3ML(R)	\$454.5	14.5	36
n/a	SR 905	I-805	Mexico	6F	8F	\$202.0	13.5	37

Table M.2 Legend

C = Conventional Highway Lanes
 F = Freeway Lanes
 HOV = High Occupancy Vehicle Lanes

ML = Managed Lanes
 ML(R) = Managed Lanes (Reversible)
 T = Toll Lanes

Transit Services

With key input from MTS and NCTD staff, updated criteria was created to prioritize transit service projects. The transit services category incorporates several new or refined criteria which includes providing access to evacuation routes, an expanded accessibility criterion which quantifies access to jobs, schools, and amenities, as well as the percentage of disadvantaged community users, and an expanded project cost-effectiveness criterion. Table M.3 includes the detailed criteria and weighting for prioritizing transit service projects. The 51 unconstrained transit routes evaluated for the Regional Plan are listed in priority order in Table M.4.

Table M.3
Project Evaluation Criteria Transit Services

No.	Criteria	Description	Proposed Calculation	Max Score	Total Percent	Policy Objectives
<i>Innovative Mobility & Planning</i>						
1	Provides Time Competitive/ Reliable Transit Service	What is the percentage of the route located in priority treatment?	Analysis of percentage of transit route within dedicated transit guideway; dedicated arterial lane, interrupted rail, or Managed Lane; or HOV lane or arterial spot treatment	10	35	Mobility Choices, Complete Communities
2	Serves Daily Trips	What is the number of additional daily transit trips resulting from the project?	Change in daily transit linked trips	15		Mobility Choices, Complete Communities
3	Provides Access to Evacuation Routes	How will the project provide evacuation access for regional hazards?	Proximity analysis of hazard areas (dam failure, earthquake, flood, landslide, liquefaction, tsunami, and wildfire), weighted by population and employment	5		Mobility Choices, Partnerships and Collaboration, Binational Collaboration with Baja California, Preservation and Safety of the Transportation System
4	Daily System Utilization	What is the daily transit utilization?	Daily passenger miles/ daily service seat miles (system wide)	5		Mobility Choices, Complete Communities

Table M.3 (continued)
Project Evaluation Criteria Transit Services

No.	Criteria	Description	Proposed Calculation	Max Score	Total Percent	Policy Objectives
<i>Healthy Environment & Communities</i>						
5	greenhouse gas and Pollutant Emissions	A) What is the reduction in CO ₂ emissions from implementing the project?	Reduction in CO ₂ emissions	5	30	Environmental Stewardship, Energy and Climate Change Mitigation and Adaptation
		B) What is the reduction in smog forming pollutants from implementing the project?	Reduction in smog forming pollutants	5		
6	Serves RCP Smart Growth Areas	What is the share of trips on the transit service serving RCP Smart Growth areas?	Share of trips on transit service serving all existing/planned or potential Smart Growth Areas is calculated, using select link analysis	10		Complete Communities, Regional Economic Prosperity, Habitat and Open Space Preservation
7	Physical Activity	What is the increase in physical activity?	Increase in time engaged in moderate transportation-related physical activity	10		Mobility Choices, Complete Communities
<i>Vibrant Economy</i>						
8	Accessibility	A) What is the increase in job and school trips by transit?	Change in daily transit linked work and school trips	4	35	Mobility Choices, Regional Economic Prosperity
		B) How will the project support access to recreational areas and beaches?	Acres of parkland/ recreational areas and beaches within 1/4 mile of project	3		

Table M.3 (continued)

Project Evaluation Criteria Transit Services

No.	Criteria	Description	Proposed Calculation	Max Score	Total Percent	Policy Objectives
<i>Vibrant Economy (continued)</i>						
		C) What is the increase in transit trips by disadvantaged communities?	Change in total transit trips by disadvantaged communities population	3		Mobility Choices, Partnerships and Collaboration
		D) How will the project facilitate pedestrian and bike access?	Project located within 1/4 mile of pedestrian and bike facilities	3		Mobility Choices, Complete Communities
		E) What is the increase in transit trips to federally recognized Indian reservations?	Change in total transit trips to/from Indian reservations	2		Mobility Choices, Partnerships and Collaboration
9	Project Cost-Effectiveness	What is the cost-effectiveness of the project?	Enhanced cost-effectiveness measure incorporates the following components: - Project cost - Fuel costs - greenhouse gas emissions - Smog forming pollutants - Physical activity - Safety	20		Mobility Choices, Regional Economic Prosperity, Binational Collaboration with Baja California, Preservation and Safety of the Transportation System, Environmental Stewardship, Energy and Climate Change Mitigation and Adaptation

Table M.4
Transit Service Project Rankings

<i>TransNet/ Early Action Program (EAP)</i>	Service	Route	Project Description	Unconstrained Cost (\$2014) (millions)	Total Score	Regional Plan Project Rank
	Trolley	562	Carmel Valley to San Ysidro via Kearny Mesa	\$2,632.5	95.9	1
	Trolley	550	SDSU to Palomar Station via East San Diego, SE San Diego, National City	\$1,581.5	65.2	2
	Trolley	560	SDSU to Downtown via El Cajon Blvd/Mid-City (transition of Mid-City <i>Rapid</i> to LRT)	\$2,389.9	64.5	3
<i>TransNet/ EAP</i>	COASTER	398	Double Tracking (includes all COASTER improvements, positive train control, extension to National City, and Camp Pendleton)	\$2,901.6	63.7	4
	Trolley	563	Pacific Beach to El Cajon Transit Center via Kearny Mesa, Mission Valley, SDSU	\$1,297.7	61.9	5
	BRT	650	Chula Vista to Palomar Airport Rd Business Park via I-805/I-5 (peak only)	\$81.9	51.6	6
<i>TransNet</i>	SPRINTER	399	Double Tracking (includes all SPRINTER improvements and extension to South Escondido)	\$945.5	51.5	7
	<i>Rapid</i>	28	Point Loma to Kearny Mesa via Old Town, Linda Vista	\$49.8	49.4	8
	<i>Rapid</i>	103	Solana Beach to Sabre Springs BRT station via Carmel Valley	\$66.8	47.4	9
	<i>Rapid</i>	10	La Mesa to Ocean Beach via Mid-City, Hillcrest, Old Town	\$87.7	44.9	10
	Trolley	561	UTC to Mira Mesa via Sorrento Mesa/Carroll Cyn (extension of route 510). Includes connection with COASTER at Scranton Rd	\$1,167.4	42.1	11
<i>TransNet</i>	BRT	680 and 688/689	Otay Mesa/San Ysidro to Sorrento Mesa via I-805 Corridor, Otay Ranch/Millenia, National City, Southeastern San Diego, Mid-City, Kearny Mesa	\$457.9	42.0	12

Table M.4 (continued)

Transit Service Project Rankings

<i>TransNet/ Early Action Program (EAP)</i>	Service	Route	Project Description	Unconstrained Cost (\$2014) (millions)	Total Score	Regional Plan Project Rank
	Trolley	522	Orange Line Express - El Cajon to ITC/Airport	\$197.2	41.6	13
	<i>Rapid</i>	30	Old Town to Sorrento Mesa via Pacific Beach, La Jolla, UTC	\$104.9	40.6	14
	Trolley	564	Otay Mesa East Border Crossing to Western Chula Vista via Otay Ranch/Millenia	\$1,000.7	40.5	15
	<i>Rapid</i>	41	Fashion Valley to VA Hospital via SR 163, Genesee, La Jolla Village Dr	\$55.4	40.2	16
	BRT	940	Oceanside to Sorrento Mesa via I-5, Carlsbad, Encinitas (peak only)	\$39.0	40.0	17
	<i>Rapid</i>	473	Oceanside TC to UC San Diego via Pacific Hwy, Del Mar Heights, El Camino Real and UTC	\$129.7	38.4	18
	Trolley	540	Blue Line Express - Santa Fe Depot to San Ysidro via Downtown	\$390.6	38.3	19
	<i>Rapid</i>	2	North Park to Downtown San Diego via 30th St / Broadway	\$38.9	35.6	20
	Trolley	566	Palomar St Trolley Station to UTC via Mid-City, Kearny Mesa (Route 562 Express)	\$334.9	35.5	21
	<i>Rapid</i>	477	East Camp Pendleton to Carlsbad Village via Vandergrift, College Blvd, Plaza Camino Real	\$80.0	33.7	22
	BRT	430	Oceanside to Escondido via SR 78	\$239.6	33.3	23
	<i>Rapid</i>	910	Coronado to Downtown via Coronado Bridge	\$25.7	31.9	24
	<i>Rapid</i>	11	Spring Valley to SDSU via SE San Diego, Downtown, Hillcrest, Mid-City	\$113.2	31.5	25
	BRT	905	Iris Trolley Station to East Otay Mesa via Otay Mesa	\$0.00	30.6	26

Table M.4 (continued)

Transit Service Project Rankings

<i>TransNet/ Early Action Program (EAP)</i>	Service	Route	Project Description	Unconstrained Cost (\$2014) (millions)	Total Score	Regional Plan Project Rank
	Streetcar	553	Downtown San Diego: Little Italy to East Village	\$139.4	30.6	26
	Streetcar	554	Hillcrest/Balboa Park/Downtown San Diego Loop	\$285.2	30.3	28
	<i>Rapid</i>	440	Carlsbad Pointsettia to Escondido TC to UC San Diego via Palomar Airport Rd, San Marcos Blvd, Mission Rd	\$51.3	30.3	28
	SPRINTER	588	SPRINTER Express. Escondido Transit Center - Oceanside Transit Center	\$243.9	30.2	30
	BRT	652	Downtown to UTC via Kearny Mesa Guideway/I-805	\$2.8	29.7	31
	BRT	653	Mid-City to Palomar Airport Rd via Kearny Mesa/I-805/I-5	\$10.5	29.4	32
	Streetcar	565	Mission Beach to La Jolla via Pacific Beach	\$246.0	29.0	33
	<i>Rapid</i>	709	H St Trolley to Millenia via H St Corridor, Southwestern College	\$37.0	28.2	34
	Streetcar	555	30th St to Downtown San Diego via North Park/Golden Hill	\$256.1	28.1	35
	<i>Rapid</i>	120	Kearny Mesa to Downtown via SR 163/Fashion Valley. No guideway.	\$77.9	27.9	36
	<i>Rapid</i>	635	Eastlake/EUC to Palomar Trolley Station via Main St Corridor	\$55.3	27.4	37
	Streetcar	557	El Cajon Downtown	\$164.5	26.7	38
	<i>Rapid</i>	639	Iris Trolley Station to North Island via Imperial Beach and Silver Strand, Coronado	\$54.2	26.2	39
	<i>Rapid</i>	636	SDSU to Spring Valley via East San Diego, Lemon Grove, Skyline	\$39.5	25.1	40
	<i>Rapid</i>	637	North Park to 32nd St Trolley via Golden Hill	\$32.6	24.9	41

Table M.4 (continued)

Transit Service Project Rankings

<i>TransNet/ Early Action Program (EAP)</i>	Service	Route	Project Description	Unconstrained Cost (\$2014) (millions)	Total Score	Regional Plan Project Rank
	BRT	870	El Cajon to Campus Point via Santee, SR 52, I-805	\$7.7	24.4	42
	<i>Rapid</i>	471	Downtown Escondido to East Escondido	\$31.7	24.3	43
	<i>Rapid</i>	474	Oceanside to Vista via Mission Ave/Santa Fe Rd Corridor	\$50.4	23.8	44
	BRT	692	Grossmont Center to Otay Town Center/Millenia via Southwest College, SR 125, Spring Valley	\$4.5	23.4	45
	BRT	890	El Cajon to Sorrento Mesa via SR 52, Kearny Mesa	\$12.7	23.1	46
	Streetcar	551	Chula Vista Downtown	\$137.8	22.5	47
	Streetcar	558	Escondido Downtown	\$51.2	22.4	48
	<i>Rapid</i>	638	Iris Trolley to Otay Mesa via Otay, SR 905 Corridor	\$38.2	21.6	49
	Streetcar	559	Oceanside Downtown	\$45.7	21.4	50
	Streetcar	552	National City Downtown	\$41.2	21.3	51

Active Transportation

For the first time, active transportation criteria were developed. These criteria were developed through similar combined efforts with local jurisdictions, partner agencies, SANDAG working groups, other stakeholders, consultants, and the general public. The majority of the active transportation evaluation criteria is consistent with other modal categories, including *and pollutant emissions* and *serves RCP smart growth areas*. SANDAG has been developing active transportation enhancements to the Activity-based Model (ABM). The Active Transportation criteria were intended to be used with the active transportation-enhanced ABM. These enhancements were not completed in time to be used to apply the Active Transportation criteria, so the project rankings from *Riding to 2050: The San Diego Regional Bike Plan* were utilized. The detailed criteria developed as part of the Regional Plan effort are shown in Table M.5. A list of ranked active transportation projects can be seen in Table M.6.

Table M.5

Project Evaluation Criteria Active Transportation

No.	Criteria	Description	Proposed Calculation	Max Score	Total Percent	Policy Objectives
<i>Innovative Mobility & Planning</i>						
1	Serves Daily Trips	What is the change in the number of active transportation trips?	Change in active transportation mode trips or transit accessed by active transportation mode trips	15	35	Mobility Choices
2	Project Safety	Is the project located in an area with a high bike and pedestrian traffic incident rate?	Number of bike and pedestrian traffic incidents within 1/4 mile of project	5		Preservation and Safety of the Transportation System
3	System Connectivity	A) Does the project provide enhanced connectivity to/from transit station/stop areas, highway project areas, or rail grade separations?	Project located within 1/4 mile of transit, highway, or rail grade separation project areas	5		Mobility Choices, Complete Communities
		B) Does the project provide multimodal connections?	Project provides direct access to other transit, highway, rail grade separation, or active transportation projects	5		
4	Consistency with local plans	Is the improvement identified in a locally adopted plan?	Project is in a locally adopted plan	5		Partnerships and Collaboration

Table M.5 (continued)

Project Evaluation Criteria Active Transportation

No.	Criteria	Description	Proposed Calculation	Max Score	Total Percent	Policy Objectives
<i>Healthy Environment & Communities</i>						
5	Reduced Bike/Pedestrian Stress Level	Does the project result in a safer facility for people biking and pedestrians?	Project area is currently unsafe for pedestrian and bike activity due to speeds, vehicular traffic volumes, conflict points such as freeway on/off-ramps, etc.	10	35	Mobility Choices, Preservation and Safety of the Transportation System
6	greenhouse gas and Pollutant Emissions	A) What is the reduction in CO ₂ emissions from implementing the project?	Reduction in CO ₂ emissions	5		Environmental Stewardship, Energy and Climate Change Mitigation and Adaptation
		B) What is the reduction in smog forming pollutants from implementing the project?	Reduction in smog forming pollutants	5		
7	Serves RCP Smart Growth Areas	Is the project located near population and employment?	Population and employment in all smart growth areas within 1/4 mile distance of project	5		Complete Communities, Regional Economic Prosperity, Habitat and Open Space Preservation
8	Physical Activity	What is the increase in physical activity?	Increase in time engaged in moderate transportation-related physical activity	5		Mobility Choices, Complete Communities
9	Range of Users/Skill Levels Served	For major arterial street, are alternative routes attractive to all riders considered, or are the arterial or alternative routes traffic calmed?	Project results in route attractive to all riders	5		Mobility Choices, Preservation and Safety of the Transportation System

Table M.5 (continued)

Project Evaluation Criteria Active Transportation

No.	Criteria	Description	Proposed Calculation	Max Score	Total Percent	Policy Objectives
<i>Vibrant Economy</i>						
10	Accessibility	A) Does the project support access to jobs and schools?	Employment and schools within 1/4 mile of project	4	30	Mobility Choices, Regional Economic Prosperity
		B) Does the project support access to recreational areas, parks, and beaches?	Acres of parkland/recreational areas and beaches within 1/4 mile of project	3		Complete Communities, Habitat and Open Space Preservation
		C) What percentage of the project users are from disadvantaged communities?	Disadvantaged communities population within 1/4 mile of project	3		Mobility Choices, Partnerships and Collaboration
11	Project Cost-Effectiveness	What is the cost-effectiveness of the project?	Enhanced cost-effectiveness measure may incorporate the following components: - Project cost - Generalized delay costs - Fuel costs - greenhouse gas emissions - Smog forming pollutants - Health and physical activity - Safety	20		Mobility Choices, Regional Economic Prosperity, Binational Collaboration with Baja California, Environmental Stewardship, Energy and Climate Change Mitigation and Adaptation, Preservation and Safety of the Transportation System

Table M.6**Regional Bike Plan Network Corridor Rankings***Early Action Program (EAP)*

EAP Priority	Project	Jurisdiction(s)	Funding Through Project Phase	Cost (\$2014)
1	Uptown - Fashion Valley to Downtown San Diego	San Diego	Const.	\$22,889,000
2	Uptown - Old Town to Hillcrest	San Diego	Const.	\$17,979,000
3	Uptown - Hillcrest to Balboa Park	San Diego	Const.	\$2,579,000
4	North Park - Mid-City - Hillcrest to Kensington	San Diego	Const.	\$5,727,000
5	North Park - Mid-City - Hillcrest to City Heights (Hillcrest-El Cajon Corridor)	San Diego	Const.	\$5,775,000
6	North Park - Mid-City - City Heights	San Diego	Const.	\$2,688,000
7	North Park - Mid-City - Hillcrest to City Heights (City Heights - Old Town Corridor)	San Diego	Const.	\$4,869,000
8	North Park - Mid-City - City Heights to Rolando	San Diego	Const.	\$4,319,000
9	San Diego River Trail - Qualcomm Stadium	San Diego	Const.	\$829,000
10	San Diego River Trail - Father Junipero Serra Trail to Santee	Santee	ROW	\$2,816,000
11	Coastal Rail Trail San Diego - Rose Creek	San Diego	Const.	\$20,636,000
12	Bayshore Bikeway - Main St to Palomar	Chula Vista/ Imperial Beach	Const.	\$2,959,000
13	Coastal Rail Trail Encinitas - Chesterfield to G	Encinitas	Const.	\$6,885,000
14	Coastal Rail Trail Encinitas - Chesterfield to Solana Beach	Encinitas	Eng.	\$100,000
15 to 18	Inland Rail Trail (combination of four projects)	San Marcos, Vista, County of San Diego	Const.	\$32,691,000
19	Coastal Rail Trail Oceanside - Wisconsin to Oceanside Blvd.	Oceanside	Const.	\$200,000
20	Plaza Bonita Bike Path	National City	Const.	\$400,000
21	Bayshore Bikeway - National City Marina to 32nd St	San Diego/ National City	Const.	\$1,503,000
22	I-15 Mid-City - Adams Ave to Camino Del Rio S	San Diego	Const.	\$9,341,000
23	Bayshore Bikeway - Barrio Logan	San Diego	ROW	\$4,604,000
24	Pershing and El Prado - North Park to Downtown San Diego	San Diego	Const.	\$7,282,000
25	Pershing and El Prado - Cross-Park	San Diego	Const.	\$613,000
26	Downtown to Southeast connections - East Village	San Diego	ROW	\$787,000
27	Downtown to Southeast connections - Downtown San Diego to Encanto	San Diego	ROW	\$3,045,000

Table M.6 (continued)**Regional Bike Plan Network Corridor Rankings***Early Action Program (EAP) (continued)*

EAP Priority	Project	Jurisdiction(s)	Funding Through Project Phase	Cost (\$2014)
28	Downtown to Southeast connections - Downtown San Diego to Golden Hill	San Diego	ROW	\$2,825,000
29	San Ysidro to Imperial Beach - Bayshore Bikeway Connection (Border Access)	Imperial Beach/ San Diego	ROW	\$1,726,000
30	San Ysidro to Imperial Beach - Bayshore Bikeway Connection (Imperial Beach Connector)	Imperial Beach/ San Diego	ROW	\$860,000
31	Terrace Dr/Central Ave - Adams to Wightman	San Diego	Const.	\$1,407,000
32	San Diego River Trail - I-805 to Fenton	San Diego	Const.	\$1,741,000
33	San Diego River Trail - Short gap connections	San Diego	Const.	\$1,370,000
34	Coastal Rail Trail Encinitas - Leucadia to G St	Encinitas	Const.	\$4,763,000
35	Coastal Rail Trail San Diego - UTC	San Diego	ROW	\$791,000
36	Coastal Rail Trail San Diego - Rose Canyon	San Diego	ROW	\$2,508,000
37	Coastal Rail Trail San Diego - Pacific Hwy (W. Washington St to Laurel St)	San Diego	Const.	\$4,050,000
38	Coastal Rail Trail San Diego - Pacific Hwy (Laurel St to Santa Fe Depot)	San Diego	Const.	\$7,628,000
39	Coastal Rail Trail San Diego - Encinitas Chesterfield to Solana Beach	Encinitas	Const.	\$127,000
40	Coastal Rail Trail San Diego – Pacific Hwy (Taylor St to W. Washington St)	San Diego	Const.	\$3,994,000
41	San Ysidro to Imperial Beach - Bayshore Bikeway Connection	Imperial Beach/ San Diego	Const.	\$6,204,000
42	Coastal Rail Trail San Diego - Pacific Hwy (Fiesta Island Rd to Taylor St)	San Diego	Const.	\$7,270,000
43	San Diego River Trail - Father Junipero Serra Trail to Santee	Santee	Const.	\$7,412,000
44	Bayshore Bikeway - Barrio Logan	San Diego	Const.	\$13,591,000
45	Downtown to Southeast connections	San Diego	Const.	\$17,015,000
46	Coastal Rail Trail San Diego - UTC	San Diego	Const.	\$2,691,000
47	City Heights /Encanto/Lemon Grove	Lemon Grove/ San Diego	Const.	\$7,045,000
48	City Heights/Fairmount Corridor	San Diego	Const.	\$12,216,000
49	Rolando to Grossmont/La Mesa	La Mesa/ El Cajon/ San Diego	Const.	\$2,469,000
50	La Mesa/Lemon Grove/El Cajon connections	Lemon Grove/ La Mesa	Const.	\$5,458,000

Table M.6 (continued)**Regional Bike Plan Network Corridor Rankings***Early Action Program (EAP) (continued)*

EAP Priority	Project	Jurisdiction(s)	Funding Through Project Phase	Cost (\$2014)
51	Coastal Rail Trail - Rose Canyon	San Diego	Const.	\$8,433,000
52	San Diego River Trail - Qualcomm Stadium to Ward Rd	San Diego	Const.	\$1,568,000
53	San Diego River Trail - Rancho Mission Road to Camino Del Rio North	San Diego	Const.	\$263,000
54	Coastal Rail Trail San Diego - Rose Creek Mission Bay Connection	San Diego	Const.	\$3,990,000
55	Coastal Rail Trail Carlsbad - Reach 4 Cannon to Palomar Airport Rd	Carlsbad	Const.	\$5,084,000
56	Coastal Rail Trail Carlsbad - Reach 5 Palomar Airport Rd to Poinsettia Station	Carlsbad	Const.	\$2,738,000
57	Coastal Rail Trail Encinitas - Carlsbad to Leucadia	Encinitas	Const.	\$6,634,000
58	Coastal Rail Trail Del Mar	Del Mar	Const.	\$396,000
59	Coastal Rail Trail San Diego - Del Mar to Sorrento via Carmel Valley	Del Mar/ San Diego	Const.	\$411,000
60	Coastal Rail Trail San Diego - Carmel Valley to Roselle via Sorrento	San Diego	Const.	\$867,000
61	Coastal Rail Trail San Diego - Roselle Canyon	San Diego	Const.	\$4,958,000
62	Chula Vista National City connections	Chula Vista/ National City	Const.	\$10,516,000
63	Pacific Beach to Mission Beach	San Diego	Const.	\$9,509,000
64	Ocean Beach to Mission Bay	San Diego	Const.	\$23,815,000
65	San Diego River Trail - Bridge connection (Sefton Field to Mission Valley YMCA)	San Diego	Const.	\$7,259,000
66	San Diego River Trail - Mast Park to Lakeside baseball park	Santee	Const.	\$10,335,000
67	I-8 Flyover (Camino del Rio South to Camino del Rio North)	San Diego	Const.	\$9,914,000
68	Coastal Rail Trail Oceanside - Broadway to Eaton	Oceanside	Const.	\$445,000
69	El Cajon - Santee connections	El Cajon/ La Mesa/ Santee	Const.	\$12,289,000
70	San Diego River Trail - Father JS Trail to West Hills Parkway	San Diego	Const.	\$2,883,000
71	Inland Rail Trail Oceanside	Oceanside	Const.	\$18,786,000
72	Coastal Rail Trail Carlsbad - Reach 3 Tamarack to Cannon	Carlsbad	Const.	\$4,814,000
73	Clairemont Dr (Mission Bay to Burgener)	San Diego	Const.	\$7,688,000

Table M.6 (continued)

Regional Bike Plan Network Corridor Rankings

Early Action Program (EAP) (continued)

EAP Priority	Project	Jurisdiction(s)	Funding Through Project Phase	Cost (\$2014)
74	Harbor Dr (Downtown to Ocean Beach)	San Diego	Const.	\$6,980,000
75	Mira Mesa Bike Blvd	San Diego	Const.	\$3,751,000
76	Sweetwater River Bikeway Ramps	National City	Const.	\$8,883,000
77	Coastal Rail Trail Oceanside - Alta Loma Marsh bridge	Oceanside	Const.	\$4,684,000
78	Coastal Rail Trail San Diego - Mission Bay (Clairemont to Tecolote)	San Diego	Const.	\$3,092,000
79	Bayshore Bikeway Coronado - Golf course adjacent	Coronado	Const.	\$2,817,000

Non-Early Action Program (EAP)

Non-EAP Priority	Corridor	Corridor Limits	Jurisdiction
80	Coastal Rail Trail	Del Mar segments	Del Mar
81	Central Coast Corridor	Coastal Rail Trail, Del Mar to Bayshore Bikeway	Del Mar, San Diego
82	Kearny Mesa-Beaches Corridor	Central Coast Corridor, Pacific Beach to I-15 Bikeway	San Diego
83	San Diego River Bikeway	Segments west of I-805	San Diego
84	SR 125 Corridor	San Diego River Bikeway, Santee to Otay Mesa Border Crossing	Santee, County, San Diego, Chula Vista
85	Mira Mesa Corridor	Coastal Rail Trail to I-15 Bikeway	San Diego
86	Mid-County Bikeway	Coastal Rail Trail, Del Mar to Inland Rail Trail	Del Mar, County, Escondido
87	Bay to Ranch Bikeway	Bayshore Bikeway to Chula Vista Greenbelt	Chula Vista
88	Escondido Creek Bikeway	I-15 Bikeway, Escondido to Valley Centre Rd	Escondido
89	Chula Vista Greenbelt	Bayshore Bikeway, San Diego to SR 125 Corridor	Chula Vista
90	SR 52 Bikeway	Coastal Rail Trail to San Diego River Bikeway	San Diego
91	Sweetwater River Bikeway	Bayshore Bikeway to SR 125 Corridor	National City, Chula Vista
92	Vista Way Connector	San Luis Rey River Trail to Inland Rail Trail	Vista, County
93	SR 905 Corridor	Border Access Corridor to Future SR 11 Border Crossing	San Diego, County

Table M.6 (continued)

Regional Bike Plan Network Corridor Rankings

Non-Early Action Program (EAP) (continued)

Non-EAP Priority	Corridor	Corridor Limits	Jurisdiction
94	Carlsbad-San Marcos Corridor	Coastal Rail Trail, Carlsbad to Inland Rail Trail, San Marcos	Carlsbad, San Marcos
95	I-15 Bikeway	Northern boundary of County to City Heights - Old Town Corridor	Escondido, City of San Diego
96	San Luis Rey River Trail	Coastal Rail Trail Oceanside to I-15 Bikeway (County)	Oceanside, County
97	Camp Pendleton Trail	Northern boundary of County to San Luis Rey River Trail	USMC
98	Encinitas - San Marcos Corridor	Coastal Rail Trail, Inland Rail Trail	Encinitas, San Marcos
99	I-8 Corridor	SR 125 Corridor to Japatul Valley Rd	County of San Diego
100	SR 56 Bikeway	Coastal Rail Trail to I-15 Bikeway	San Diego
101	El Camino Real	San Luis Rey River Trail to Coastal Rail Trail, Encinitas	Oceanside, Carlsbad, Encinitas
102	East County Northern Loop	SR 125 Corridor, La Mesa to SR 125 Corridor, County	El Cajon, La Mesa, County
103	East County Southern Loop	East County Northern Loop, El Cajon to SR 125 Corridor	County
Bike Plan EAP Estimated Cost (Priorities 1-79)			\$460.5 M
Regional Bike Plan Non-EAP Estimated Cost (Priorities 80-103)			\$276.7 M
Regional Bike Plan Estimated Cost			\$737.2 M

Managed Lane Connectors

Managed Lane connectors will facilitate direct Managed Lane to Managed Lane access and allow for continuous movement on the HOV or Managed Lanes network. The six criteria and weighting for the Managed Lanes Connectors are shown in Table M.7. The 22 Managed Lane connectors evaluated for the Regional Plan are listed in priority order by pairs in Table M.8.

Table M.7

Project Evaluation Criteria Managed Lane Connector

No.	Criteria	Description	Proposed Calculation	Max Score	Total Percent	Policy Objectives
<i>Innovative Mobility & Planning</i>						
1	Provides Congestion Relief	What is the number of daily person-hours saved from implementing the project?	Change in daily person-hours saved	15	35	Mobility Choices
2	Provides Access to Evacuation Routes	How will the project provide evacuation access for regional hazard areas?	Proximity analysis of hazard areas (dam failure, earthquake, flood, landslide, liquefaction, tsunami, and wildfire), weighted by population and employment	5		Preservation and Safety of the Transportation System, Partnerships and Collaboration, Binational Collaboration with Baja California
3	Facilitates FasTrak/Carpool/Transit, Pedestrian and Bike Mobility	How will the project facilitate FasTrak/carpool/Managed Lane facilities and/or regional or corridor transit services and/or pedestrian and bike access?	Projects will receive points if they include FasTrak/carpool/Managed Lane facility, and/or regional or corridor transit services, and/or pedestrian and bike facilities, which is then weighted by combined carpool person volume + transit person volume	15		Mobility, Complete Communities

Table M.7 (continued)

Project Evaluation Criteria Managed Lane Connector

No.	Criteria	Description	Proposed Calculation	Max Score	Total Percent	Policy Objectives
Healthy Environment & Communities						
4	Minimizes Habitat and Residential Impacts	How will the project minimize negative habitat and residential impacts?	Proximity analysis of preserve areas, native habitats, and housing (more than two dwelling units per acre)	15	30	Habitat and Open Space Preservation, Environmental Stewardship
5	greenhouse gas and Pollutant Emissions	A) What is the reduction in CO ₂ emissions from implementing the project?	Reduction in CO ₂ emissions	10	5	Environmental Stewardship, Energy and Climate Change Mitigation and Adaptation
		B) What is the reduction in smog forming pollutants from implementing the project?	Reduction in smog forming pollutants	5		
Vibrant Economy						
6	Project Cost-Effectiveness	What is the cost-effectiveness of the project?	Enhanced cost-effectiveness measure incorporates the following components: - Project cost - Generalized delay costs - Fuel costs - greenhouse gas emissions - Smog forming pollutants - Physical activity - Safety	35	35	Mobility Choices, Regional Economic Prosperity, Binational Collaboration with Baja California, Preservation and Safety of the Transportation System, Environmental Stewardship, Energy and Climate Change Mitigation and Adaptation

Table M.8
Managed Lane Connector Project Rankings

<i>TransNet</i>	Freeway/ Highway	Intersecting Freeway/ Highway	Movement	Unconstrained Cost (\$2014) (millions)	Total Score	Regional Plan Project Rank
<i>TransNet</i>	I-15	SR 78	East to South and North to West	\$106	62.4	1
<i>TransNet</i>	I-5	I-805	North to North and South to South	\$101	61.6	2
	I-805	SR 52	West to North and South to East	\$91	56.8	3
	SR 15	I-805	North to North and South to South	\$81	53.2	4
	I-5	SR 15	North to North and South to South	\$197	52.4	5
	I-15	SR 52	West to North and South to East	\$131	49.5	6
	I-15	SR 56	East to North and South to West	\$172	48.4	7
	I-5	SR 78	South to East and West to North, North to East and West to South	\$253	47.8	8
	I-805	SR 94	North to West and East to South	\$101	46.1	9
	I-5	SR 56	South to East and West to North	\$177	41.1	10
	I-15	SR 163	North to North and South to South	\$162	40.5	11
	I-805	SR 94	West to South and North to East	\$217	37.4	12
	SR 94	SR 125	North to North and South to South	\$146	37.3	13
	I-5	SR 56	North to East and West to South	\$152	35.3	14
	I-805	SR 163	North to North and South to South	\$192	33.5	15
	I-15	SR 52	West to South and North to East	\$141	33.0	16
	I-805	SR 54	North to West and East to South	\$157	30.6	17
	I-805	SR 94	East to North and South to East	\$212	26.4	18
	I-5	SR 54	West to South and North to East	\$121	24.8	19
	SR 52	SR 125	North to West and East to South	\$111	23.4	20
	I-5	SR 54	South to East and West to North	\$121	22.3	21
<i>TransNet</i>	SR 15	SR 94	South to West and East to North	\$71	16.1	22

Freeway-to-Freeway Connectors

Freeway Connectors provide “missing link” connections between freeways. Many of the criteria from the highway corridor criteria are also utilized in this category. There are seven criteria for the Freeway Connectors, which are shown in Table M.9. The list of nine freeway-to-freeway connector projects evaluated for the Regional Plan can be seen in Table M.10 in priority order.

Table M.9

Project Evaluation Criteria Freeway Connector

No.	Criteria	Description	Proposed Calculation	Max Score	Total Percent	Policy Objectives
<i>Innovative Mobility & Planning</i>						
1	Provides Congestion Relief	What is the number of daily person-hours saved from implementing the project?*	Change in daily person-hours saved	20	35	Mobility Choices
2	Project Safety	How does the project compare against the statewide average for collisions?*	Project percentage of crash rates measured against statewide averages	5		Preservation and Safety of the Transportation System
3	Provides Access to Evacuation Routes	How will the project provide evacuation access for regional hazard areas?	Proximity analysis of hazard areas (dam failure, earthquake, flood, landslide, liquefaction, tsunami, and wildfire), weighted by population and employment	10		Preservation and Safety of the Transportation System, Partnerships and Collaboration, Binational Collaboration with Baja California
<i>Healthy Environment & Communities</i>						
4	Minimizes Habitat and Residential Impacts	How will the project minimize negative habitat and residential impacts?*	Proximity analysis of preserve areas, native habitats, and housing (more than two dwelling units per acre)	15	30	Habitat and Open Space Preservation, Environmental Stewardship
5	greenhouse gas and Pollutant Emissions	A) What is the reduction in CO ₂ emissions from implementing the project?*	Reduction in CO ₂ emissions	10		Environmental Stewardship, Energy and Climate Change Mitigation and Adaptation
		B) What is the reduction in smog forming pollutants from implementing the project?*	Reduction in smog forming pollutants	5		

Table M.9 (continued)

Project Evaluation Criteria Freeway Connector

No.	Criteria	Description	Proposed Calculation	Max Score	Total Percent	Policy Objectives
<i>Vibrant Economy</i>						
6	Serves Goods Movement and Relieves Freight System Bottlenecks/Capacity Constraints	What is the improved average travel time for freight?*	Total travel time savings for medium and heavy truck classes	15	35	Mobility Choices, Regional Economic Prosperity, Binational Collaboration with Baja California
7	Project Cost-Effectiveness	What is the cost-effectiveness of the project?*	Enhanced cost-effectiveness measure incorporates the following components: - Project cost - Generalized delay costs - Fuel costs - greenhouse gas emissions - Smog forming pollutants - Physical activity - Safety	20		Mobility Choices, Regional Economic Prosperity, Binational Collaboration with Baja California, Preservation and Safety of the Transportation System, Environmental Stewardship, Energy and Climate Change Mitigation and Adaptation

* Provides dual evaluation for both passenger vehicles and trucks.

Table M.10

Freeway Connector Project Rankings

<i>TransNet</i>	Freeway/ Highway	Intersecting Freeway/ Highway	Movement	Unconstrained Cost (\$2014) (millions)	Total Score	Regional Plan Project Rank
	I-5	I-8	East to North and South to West	\$326	88.4	1
<i>TransNet</i>	I-5	SR 78	South to East and West to South	\$275	50.1	2
<i>TransNet</i>	SR 94	SR 125	South to East	\$61	46.4	3
<i>TransNet</i>	SR 94	SR 125	West to North	\$82	34.2	4
<i>TransNet</i>	I-5	SR 56	West to North and South to East	\$275	32.7	5
	I-5	SR 94	North to East	\$133	27.6	6
	I-15	SR 56	North to West	\$102	19.0	7

South Bay Expressway Connector Projects

	SR 905	SR 125	SB 125 to EB 905 & WB 905 to NB 125	\$20	85	1
	SR 905	SR 125	SB 125 to WB 905 & EB 905 to NB 125	\$77	39	2

Rail Grade Separation Criteria

The evaluation criteria for rail grade separation projects were initially developed by the San Diego Regional Traffic Engineers Council (SANTEC) composed of the local jurisdictions' traffic engineers. These criteria have been refined over the years when developing RTPs. The criteria approved by the SANDAG Board for San Diego Forward: The Regional Plan includes two new elements: the *reduction in greenhouse gas emissions* from implementing the project and *project cost-effectiveness*. These elements were added to provide consistency with evaluation criteria for other modes or project types. In addition, the *pedestrian benefits* criterion was refined for the Regional Plan as *pedestrian and bike/disadvantaged communities benefits* to be more inclusive of benefits to cyclists and to consider the share of disadvantaged communities (low-income, minorities, and seniors 75+) within a half mile of the project.

Projects were prioritized based on two criteria categories: project-specific criteria and Regional Housing Needs Assessment (RHNA) housing production. The project-specific criteria are worth 75 percent, and the RHNA housing production criteria comprises 25 percent of the total project score. The criteria and weightings are shown in Table M.11. The final rankings are included in Table M.12.

Table M.11
Project Evaluation Criteria

Rail Grade Separations

San Diego Forward: The Regional Plan Goals	No.	Criteria	Description	Proposed Calculation	Max Score	Total Percent	Policy Objectives
Innovative Mobility & Planning	1	Peak-Period Exposure Index (PPEI) Factor	Product of the existing high directional traffic and the total measured blocking delay during the same three hours of the day experiencing the highest congestion at the crossing	Calculation based on vehicle traffic during a selected three- hour period, total blocking delay during same period, and mathematical constant for time period	11	34	Mobility Choices
	2	Peak-Day Total Delay Exposure Index (PDEI) Factor	Product of the existing average daily traffic (ADT), the total number of trains, and an average train crossing delay time factor	Calculation based on average daily traffic, total number of trains, train crossing delay factor, and mathematical constant	11		Mobility Choices
	3	Pedestrian and Bike/ Disadvantaged Communities Benefits	A) Number of pedestrians and people biking served in top 4 hours B) What is the share of disadvantaged communities population in the proximity of the project?	Grade separation pedestrian bike crossing counts Ratio of disadvantaged communities share of population within 1/2 mile of project compared to disadvantaged communities share of regional population	4		Mobility Choices, Complete Communities Mobility Choices, Partnerships and Collaboration
	4	Bus Operations Benefits	Number of buses served an hour, as well as proximity to transit center	Number of buses served by the grade separation	4		Mobility Choices, Complete Communities
	5	Benefit to Emergency Services	Proximity to emergency service provider and lack of nearby alternative grade-separated crossing	Proximity analysis based on emergency service providers and alternative grade separation crossing	4		Mobility Choices, Complete Communities

Table M.11 (continued)

Project Evaluation Criteria

Rail Grade Separations (continued)

San Diego Forward: The Regional Plan Goals	No.	Criteria	Description	Proposed Calculation	Max Score	Total Percent	Policy Objectives
Healthy Environment & Communities	6	Accident History	Accident history in the past five years	Number of qualifying accidents involving vehicles, pedestrians, and bikes with trains, not including accidents involved in attempted suicides	11	26	Mobility Choices, Preservation and Safety of the Transportation System
	7	Proximity to Noise Sensitive Receptors	Proximity to sensitive receptors	Proximity analysis based on rail crossing located within 200-500 feet of sensitive receptors	4		Complete Communities, Partnerships and Collaboration
	8	greenhouse gas Emissions	What is the reduction in CO ₂ emissions from implementing the project?	Reduction in CO ₂ emissions	4		Environmental Stewardship, Energy and Climate Change Mitigation and Adaptation
	9	Serves RCP Smart Growth Areas	Is the project located near RCP Smart Growth Areas?	Population and employment in all smart growth areas within 1/4 mile distance of project	7		Complete Communities, Regional Economic Prosperity, Habitat and Open Space Preservation

Table M.11 (continued)

Project Evaluation Criteria*Rail Grade Separations (continued)*

San Diego Forward: The Regional Plan Goals	No.	Criteria	Description	Proposed Calculation	Max Score	Total Percent	Policy Objectives
Vibrant Economy	10	Truck Freight Operations	Percentage of daily truck traffic	Percentage of daily traffic of Class 4-Class 13 (as defined by FHWA)	3	15	Mobility Choices, Regional Economic Prosperity, Binational Collaboration with Baja California
	11	Funding Request	Percentage of total project costs contributed by the local agency including funds already committed from state, federal, or other source	Percentage of local contribution	4		Partnerships and Collaboration
	12	Project Cost-Effectiveness	What is the cost-effectiveness of the project?	Enhanced cost-effectiveness measure incorporates the following components: - Number of trains per day - AADT - Gate down time - Percent truck traffic - Safety	8		Mobility Choices, Regional Economic Prosperity, Binational Collaboration with Baja California, Environmental Stewardship, Energy and Climate Change Mitigation and Adaptation, Preservation and Safety of the Transportation System

Table M.11 (continued)

Project Evaluation Criteria

Rail Grade Separations (continued)

San Diego Forward: The Regional Plan Goals	No.	Criteria	Description	Proposed Calculation	Max Score	Total Percent	Policy Objectives
Regional Housing Needs Assessment (RHNA)	13	Regional Housing Needs Assessment (RHNA) (per Board Policy No. 033 adopted January 2012)	RHNA-related criteria as described in Board Policy No. 033. Eligibility for Policy 33 points requires housing element compliance and submittal of Annual Housing Element Progress Reports to SANDAG.	Based on Board Policy No. 033 Criteria: RHNA Share Taken; Regional Share of Cumulative Total of Lower-Income Units Produced; Total Number of Affordable Housing Units; Percent of Lower Income Households	25	25	Complete Communities, Partnerships and Collaboration

Appendix A-4

Regional Arterial System

Regional Arterial System

The Regional Arterial System (RAS) constitutes that part of the local street and road network which, in conjunction with the system of highways and transit services, provides for a significant amount of mobility throughout the region. The RAS includes roads eligible for the Regional Transportation Congestion Improvement Program (RCTIP) included in the *TransNet* Ordinance and other funding. The RAS was last updated through an extensive process as part of the 2030 RTP. Minor adjustments were requested by some local jurisdictions for the 2050 Regional Plan. A Regional Arterial System has been included as part of the Regional Transportation Plan (RTP) since 1989 and includes 1,090 miles of roads.

Regional arterials are considered to be longer contiguous routes that provide accessibility between communities within the region and which also may allow subregional trips to avoid freeway travel. Regional Plan RAS modifications and additions to the RAS are shown in bold in Table M.13.

Regional arterial system screening criteria

In order to qualify for the updated Regional Arterial System (RAS), arterials must meet at least one of four approved criteria shown below. The first criterion is that the arterial is already included in the existing RAS. Any additions to the network must meet one of the remaining three criteria:

- Provides parallel capacity in high-volume corridors to supplement freeways, state highways, and/or other regional arterials (Corridor)
- Provides capacity and a direct connection between freeways or other regional arterials, ensuring continuity of the freeway, state highways, and arterial network throughout the region without duplicating other regional facilities (Cross-corridor)
- Provides all or part of the route for existing or planned regional and/or corridor transit service that provides headways of 15 minutes or less during the peak-period.

There are certain design characteristics that can help facilitate regional trip movements on the Regional Arterial System. These characteristics can help to facilitate trip movement and include:

- Interconnection and systems management of traffic signals
- Raised or striped medians
- Limitation and separation of left-turn movements
- Limited driveway access and other access controls
- Grade separations at rail crossings
- Shoulders and bikeways to accommodate bike movement
- Pedestrian treatments at intersections
- Priority traffic signal systems for transit service
- Bypass or “queue-jumper” lanes for transit service at critical intersections
- Enhanced transit stops
- Pedestrian facilities designed according to the Regional Pedestrian Design Guidelines
- Modern roundabouts and alternate intersection design where appropriate
- Freeway interchange modifications in accordance with Caltrans standards

A complete listing of the Regional Arterial System is provided in Table M.13 and shown in Figure M.1. All freeway interchanges are considered part of the Regional Arterial System.

Table M.13
Regional Arterials by Jurisdiction

Arterial	Limits	Jurisdiction
1 Cannon Rd	Carlsbad Blvd to Buena Vista Dr	Carlsbad
2 Carlsbad Blvd	Eaton St to La Costa Ave	Carlsbad
3 Carlsbad Village Dr	Interstate 5 to Coast Blvd/Coast Highway	Carlsbad
4 College Blvd	City of Oceanside to Palomar Airport Rd	Carlsbad
5 El Camino Real (S-11)	State Route 78 to Olivenhain	Carlsbad
6 Faraday Ave	Melrose Dr to College Blvd	Carlsbad
7 La Costa Ave	Interstate 5 to El Camino Real	Carlsbad
8 Melrose Dr	City of Vista to Rancho Santa Fe Rd	Carlsbad
9 Olivenhain Rd	Los Pinos Circle to Rancho Santa Fe Rd	Carlsbad
10 Palomar Airport Rd	Carlsbad Blvd to Business Park Dr	Carlsbad
11 Poinsettia Lane	Carlsbad Blvd to Melrose Dr	Carlsbad
12 Rancho Santa Fe Rd	Melrose Dr to Olivenhain Rd	Carlsbad
13 Bay Blvd	E St to Stella St	Chula Vista
14 Beyer Way	Main St to City of San Diego	Chula Vista
15 Bonita Rd	1st Ave to Interstate 805	Chula Vista
16 Broadway	C St to Main St	Chula Vista
17 E St	H St to Bonita Rd	Chula Vista
18 East H St	Hilltop Dr to Mount Miguel Rd	Chula Vista
19 H St	E St to Hilltop Dr	Chula Vista
20 Hunte Parkway	Proctor Valley R to Eastlake Parkway	Chula Vista
21 J St	Marina Parkway to Broadway	Chula Vista
22 L St	Bay Blvd to Interstate 805	Chula Vista
23 La Media Rd	Telegraph Canyon Rd to Main St	Chula Vista
24 Main St	West City limits to Eastlake Parkway	Chula Vista
25 Marina Parkway	H St to J St	Chula Vista
26 Olympic Parkway	Interstate 805 to Hunte Parkway	Chula Vista
27 Orange Ave	Palomar St to Interstate 805	Chula Vista
28 Otay Lakes Rd	Bonita Rd to Wueste Rd	Chula Vista
29 Otay Valley Rd)	Main St to East of State Route 125	Chula Vista

Table M.13 (continued)

Regional Arterials by Jurisdiction

Arterial	Limits	Jurisdiction
30 Palomar St	Bay Blvd to Orange Ave	Chula Vista
31 Paseo Ranchero (Heritage Rd)	East H St to City of San Diego	Chula Vista
32 Proctor Valley Rd	Mt. Miguel Rd to Hunte Parkway	Chula Vista
33 Telegraph Canyon Rd	Interstate 805 to Otay Lakes Rd	Chula Vista
34 Willow St	Sweetwater Rd to Bonita Rd	Chula Vista
35 State Route 75	City of San Diego to City of Imperial Beach	Coronado
36 Via de la Valle	Highway 101 to Jimmy Durante Blvd	Del Mar
37 2nd St	Greenfield Dr to Main St	El Cajon
38 Avocado Ave	Main St to Chase Ave	El Cajon
39 Avocado Blvd	Chase Ave to Dewitt Court	El Cajon
40 Ballantyne St	Broadway to Main St	El Cajon
41 Bradley Ave	Cuyamaca St to County of San Diego	El Cajon
42 Broadway	State Route 67 to East Main St	El Cajon
43 Chase Ave	El Cajon Blvd to Rancho Valle Court	El Cajon
44 Cuyamaca St	City of Santee to Marshall Ave	El Cajon
45 E Main St	Broadway to Lavala Lane	El Cajon
46 El Cajon Blvd	Chase Ave to West Main St	El Cajon
47 Fletcher Parkway	City of La Mesa to State Route 67	El Cajon
48 Greenfield Dr	Ballantyne St to Interstate 8	El Cajon
49 Jamacha Rd	Main St to Grove Rd	El Cajon
50 Marshall Ave	Cuyamaca St to Fletcher Parkway	El Cajon
51 Marshall Ave	Fletcher Parkway to West Main St	El Cajon
52 Marshall Ave	West Main St to Washington Ave	El Cajon
53 Navajo Rd	State Route 125 to Fletcher Parkway	El Cajon
54 Washington Ave	El Cajon Blvd to Granite Hills Dr	El Cajon
55 West Main St	Interstate 8 to Marshall Ave	El Cajon
56 Coast Highway	City of Carlsbad to City of Solana Beach	Encinitas
57 El Camino Real	Olivenhain to Manchester Ave	Encinitas
58 Encinitas Blvd	Coast Highway 101 to El Camino Real	Encinitas
59 La Costa Ave	Coast Highway 101 to Interstate 5	Encinitas
60 Leucadia Blvd	Coast Highway 101 to El Camino Real	Encinitas

Table M.13 (continued)**Regional Arterials by Jurisdiction**

Arterial	Limits	Jurisdiction
61 Manchester Ave	El Camino Real to Interstate 5	Encinitas
62 Olivenhain Rd	El Camino Real to Los Pinos Circle	Encinitas
63 Barham Dr	Los Amigos to Mission Rd	Escondido
64 Centre City Parkway	Country Club Lane (Interstate 15) to South Escondido Blvd/South Centre City Parkway (Interstate 15)	Escondido
65 Citracado Parkway	Centre City Parkway to State Route 78	Escondido
66 East Valley Parkway	Broadway to Valley Center Grade Rd	Escondido
67 East Via Rancho Parkway	Broadway to Sunset Dr	Escondido
68 El Norte Parkway	Nordahl Rd to Washington Ave	Escondido
69 El Norte Parkway	Woodland Parkway to Rees Rd	Escondido
70 Felicita/17th Ave	Interstate 15 to State Route 78	Escondido
71 Grand Ave/2nd Ave/Valley Blvd	West Valley Parkway to East Valley Parkway	Escondido
72 Hale Ave	Washington Ave to Interstate 15	Escondido
73 Lincoln/Ash Parkway	Broadway to Washington Ave	Escondido
74 Mission Ave	Andreason Dr to Centre City Parkway	Escondido
75 Mission Rd	Barham Dr to Andreason Dr	Escondido
76 Via Rancho Parkway	Del Dios Highway to Sunset Dr	Escondido
77 Washington Ave	State Route 78 to East Valley Parkway	Escondido
78 West Valley Parkway	Claudan Rd to Broadway	Escondido
79 State Route 75	City of Coronado to City of San Diego	Imperial Beach
80 70th St	University Ave to Colony Rd	La Mesa
81 70th St	Saranac St to Interstate 8	La Mesa
82 El Cajon Blvd	73rd St to Interstate 8	La Mesa
83 Fletcher Parkway	Interstate 8 to City of El Cajon	La Mesa
84 Grossmont Center Dr	Interstate 8 to Fletcher Parkway	La Mesa
85 Jackson Dr	La Mesa Blvd to North City limits	La Mesa
86 La Mesa Blvd	University Ave to Interstate 8	La Mesa
87 Lake Murray	Interstate 8 to Dallas St	La Mesa
88 Massachusetts Ave	State Route 94 to University Ave	La Mesa
89 Spring St	Interstate 8 to State Route 125	La Mesa
90 University Ave	69th St to La Mesa Blvd	La Mesa

Table M.13 (continued)**Regional Arterials by Jurisdiction**

Arterial		Limits	Jurisdiction
91	Broadway	Spring St to Lemon Grove Ave	Lemon Grove
92	College Ave	Livingston St to Federal Blvd	Lemon Grove
93	Federal Blvd	College Ave to State Route 94	Lemon Grove
94	Lemon Grove Ave	Viewcrest Dr to State Route 94	Lemon Grove
95	Massachusetts Ave	Broadway to State Route 94	Lemon Grove
96	Massachusetts Ave	Lemon Grove Ave to Broadway	Lemon Grove
97	Sweetwater Rd	Broadway to Troy St	Lemon Grove
98	30th St	National City Blvd to 2nd St	National City
99	Euclid Ave	Cervantes Ave to Sweetwater Rd	National City
100	Harbor Dr	City of San Diego to Interstate 5	National City
101	National City Blvd	Division St to 30th St	National City
102	Palm Ave	Interstate 805 to 18th St	National City
103	Paradise Valley Rd	8th St to Plaza Blvd	National City
104	Plaza Blvd	National City Blvd to 8th St	National City
105	Sweetwater Rd	2nd St to Plaza Bonita Center Way	National City
106	Coast Highway	Interstate 5 to Eaton St	Oceanside
107	College Blvd	North River Rd to State Route 78	Oceanside
108	El Camino Real	Douglas Dr to State Route 78	Oceanside
109	Melrose Dr	State Route 76 to Rancho Santa Fe Rd	Oceanside
110	Mission Ave	Coast Highway to Frazee Rd	Oceanside
111	North River Rd	Douglas Dr to State Route 76	Oceanside
112	North Santa Fe Ave	State Route 76 to Melrose Dr	Oceanside
113	Oceanside Blvd	Coast Highway to Melrose Dr	Oceanside
114	Rancho del Oro Dr	State Route 78 to State Route 76	Oceanside
115	Vandegrift Blvd	North River Rd to Camp Pendleton	Oceanside
116	West Vista Way	Jefferson St to Thunder Dr	Oceanside
117	Camino del Norte	World Trade Dr to Pomerado Rd	Poway
118	Community Rd	Twin Peaks Rd to Scripps Poway Parkway	Poway
119	Espola Rd	Summerfield Lane to Poway Rd	Poway
120	Pomerado Rd	Stonemill Dr to Gateway Park Rd	Poway
121	Poway Rd	Springhurst Dr to State Route 67	Poway

Table M.13 (continued)**Regional Arterials by Jurisdiction**

Arterial	Limits	Jurisdiction
122 Scripps Poway Parkway	Springbrook Dr to Sycamore Canyon Rd	Poway
123 Ted Williams Parkway	Pomerado Rd to Twin Peaks Rd	Poway
124 Twin Peaks Rd	Pomerado Rd to Espola Rd	Poway
125 1st Ave	Harbor Dr to Interstate 5	San Diego City
126 4th Ave	Market St to Washington St	San Diego City
127 5th Ave	Market St to Washington St	San Diego City
128 6th Ave	Ash St to State Route 163	San Diego City
129 10th Ave	State Route 163 to Imperial Ave	San Diego City
130 11th Ave	G St to State Route 163	San Diego City
131 32nd St	Harbor Dr to Wabash Blvd	San Diego City
132 47th St	State Route 94 to Interstate 805	San Diego City
133 54th St	El Cajon Blvd to Euclid Ave	San Diego City
134 70th St	Colony Rd to Saranac St	San Diego City
135 A St	11th Ave to Kettner Blvd	San Diego City
136 Adams Ave	Park Blvd to Interstate 15	San Diego City
137 Aero Dr	State Route 163 to Interstate 15	San Diego City
138 Airway Rd	Caliente Ave to State Route 125	San Diego City
139 Ash St	Harbor Dr to 10th Ave	San Diego City
140 Auto Circle	Camino del Rio North to Camino del Rio South	San Diego City
141 Balboa Ave	Mission Bay Dr to Interstate 15	San Diego City
142 Barnett Ave	Lytton St to Pacific Highway	San Diego City
143 Bernardo Center Dr	Camino del Norte to Interstate 15	San Diego City
144 Beyer Blvd	Main St to East Beyer Blvd	San Diego City
145 Beyer Way	Main St to Palm Ave	San Diego City
146 Britannia Blvd	Otay Mesa Rd to Siempre Viva Rd	San Diego City
147 Black Mountain Rd	Del Mar Heights Rd to Carroll Canyon Rd	San Diego City
148 Broadway	Harbor Dr to 11th Ave	San Diego City
149 Cabrillo Memorial Dr	Cochran St to Cabrillo National Monument	San Diego City
150 Camino del Norte	Camino San Bernardo to World Trade Dr	San Diego City
151 Camino del Rio North	Mission Center Rd to Mission Gorge Rd	San Diego City
152 Camino Ruiz	Mira Mesa Blvd to Miramar Rd	San Diego City

Table M.13 (continued)**Regional Arterials by Jurisdiction**

Arterial	Limits	Jurisdiction
153 Camino Ruiz	State Route 56 to Camino del Norte	San Diego City
154 Camino Santa Fe Ave	Sorrento Valley Blvd to Miramar Rd	San Diego City
155 Canon St	Rosecrans St to Catalina Blvd	San Diego City
156 Carmel Mountain Rd	Camino del Norte to Rancho Peñasquitos Blvd	San Diego City
157 Carmel Mountain Rd	Sorrento Valley Rd to El Camino Real	San Diego City
158 Carmel Valley Rd	North Torrey Pines Rd to El Camino Real	San Diego City
159 Catalina Blvd	Canon St to Cochran St	San Diego City
160 Clairemont Dr	Clairemont Mesa Blvd to Interstate 5	San Diego City
161 Clairemont Mesa Blvd	Interstate 15 to Regents Rd	San Diego City
162 College Ave	Navajo Rd to Livingston St	San Diego City
163 Collwood Blvd	Montezuma Rd to El Cajon Blvd	San Diego City
164 Convoy St	Linda Vista Rd to State Route 52	San Diego City
165 Cesar E. Chavez Parkway	Interstate 5 to Harbor Dr	San Diego City
166 Dairy Mart Rd	State Route 905 to Interstate 5	San Diego City
167 Del Dios Highway	Via Rancho Parkway to Claudan Rd	San Diego City
168 Del Mar Heights Rd	Interstate 5 to Carmel Valley Rd	San Diego City
169 El Cajon Blvd	Park Blvd to 73rd St	San Diego City
170 El Camino Real	Via de la Valle to Carmel Mountain Rd	San Diego City
171 Euclid Ave	54th St to Cervantes Ave	San Diego City
172 F St	State Route 94 to 10th Ave	San Diego City
173 Fairmount Ave	Interstate 8 to State Route 94	San Diego City
174 Friars Rd	Sea World Dr to Mission Gorge Rd	San Diego City
175 Front St	Interstate 5 to Market St	San Diego City
176 G St	State Route 94 to 10th Ave	San Diego City
177 Garnet Ave	Balboa Ave to Mission Bay Dr	San Diego City
178 Genesee Ave	North Torrey Pines Rd to State Route 163	San Diego City
179 Gilman Dr	La Jolla Village Dr to Interstate 5	San Diego City
180 Grand Ave	Mission Blvd to Mission Bay Dr	San Diego City
181 Governor Dr	Interstate 805 to Regents Rd	San Diego City
182 Grape St	North Harbor Dr to Interstate 5	San Diego City
183 Harbor Dr	Pacific Highway to City of National City	San Diego City

Table M.13 (continued)**Regional Arterials by Jurisdiction**

Arterial	Limits	Jurisdiction
184 Hawthorn St	Interstate 5 to North Harbor Dr	San Diego City
185 Heritage Rd	Otay Mesa Rd to Siempre Viva Rd	San Diego City
186 Heritage Rd	Otay Valley Rd to City of Chula Vista	San Diego City
187 Imperial Ave	Park Blvd to Lisbon St	San Diego City
188 Ingraham St	Sunset Cliffs Blvd to Grand Ave	San Diego City
189 Kearny Villa Rd	Pomerado Rd to Aero Dr	San Diego City
190 Kettner Blvd	Interstate 5 to India St	San Diego City
191 La Jolla Blvd	Pearl St to Turquoise St	San Diego City
192 La Jolla Parkway	Torrey Pines Rd to Interstate 5	San Diego City
193 La Jolla Shores Dr	Torrey Pines Rd to North Torrey Pines Rd	San Diego City
194 La Jolla Village Dr	North Torrey Pines Rd to Interstate 805	San Diego City
195 La Media Rd	Otay Mesa Rd to Siempre Viva Rd	San Diego City
196 Lake Murray Blvd	Dallas St to Navajo Rd	San Diego City
197 Laurel St	North Harbor Dr to Interstate 5	San Diego City
198 Lemon Grove Ave	Lisbon St to Viewcrest Dr	San Diego City
199 Linda Vista Rd	Morena Blvd to Convoy St	San Diego City
200 Lytton St	Rosecrans St to Barnett Ave	San Diego City
201 Market St	Harbor Dr to Euclid Ave	San Diego City
202 Mercy Rd	Black Mountain Rd to Interstate 15	San Diego City
203 Mesa College Dr	Interstate 805 to Marlesta Dr	San Diego City
204 Midway Dr	West Point Loma Blvd to Barnett Ave	San Diego City
205 Mira Mesa Blvd	Interstate 805 to Interstate 15	San Diego City
206 Miramar Rd	Interstate 805 to Interstate 15	San Diego City
207 Mission Blvd	Loring St to West Mission Bay Dr	San Diego City
208 Mission Bay Dr	Grand Av to Interstate 5	San Diego City
209 Mission Center Rd	Camino del Rio North to Friars Rd	San Diego City
210 Mission Gorge Rd	Interstate 8 to Highridge Rd	San Diego City
211 Montezuma Rd	Fairmount Ave to El Cajon Blvd	San Diego City
212 Morena Blvd	Balboa Ave to Interstate 8	San Diego City
213 Navajo Rd	Waring Rd to Fanita Dr	San Diego City
214 Nimitz Blvd	Interstate 8 to Harbor Dr	San Diego City

Table M.13 (continued)**Regional Arterials by Jurisdiction**

Arterial	Limits	Jurisdiction
215 North Harbor Dr	Rosecrans St to Grape St	San Diego City
216 North Torrey Pines Rd (S-21)	Carmel Valley Rd to La Jolla Village Dr	San Diego City
217 Ocean View Hills Parkway	Interstate 805 to State Route 905	San Diego City
218 Otay Mesa Rd	State Route 905 to State Route 125	San Diego City
219 Pacific Highway	Sea World Dr to Harbor Dr	San Diego City
220 Palm Ave	State Route 75 to Interstate 805	San Diego City
221 Paradise Valley Rd	Plaza Blvd to Meadowbrook Dr	San Diego City
222 Park Blvd	Imperial Ave to Adams Ave	San Diego City
223 Picador Blvd	Palm Ave to Interstate 905	San Diego City
224 Pomerado Rd	Interstate 15 (north) to Interstate 15 (south)	San Diego City
225 Poway Rd	Interstate 15 to Springhurst Dr	San Diego City
226 Qualcomm Way	Interstate 8 to Friars Rd	San Diego City
227 Rancho Bernardo Rd	Interstate 15 to Summerfield Lane	San Diego City
228 Rancho Carmel Dr	Carmel Mountain Rd to Ted Williams Parkway	San Diego City
229 Rancho Peñasquitos Blvd	State Route 56 to Interstate 15	San Diego City
230 Regents Rd	Genesee Ave to Clairemont Mesa Blvd	San Diego City
231 Rosecrans St	Interstate 8 to Canon St	San Diego City
232 Ruffin Rd	Kearny Villa Rd to Aero Dr	San Diego City
233 Sabre Springs Parkway	Ted Williams Parkway to Poway Rd	San Diego City
234 San Ysidro Blvd	Dairy Mart Rd to East Beyer Blvd	San Diego City
235 Scripps Poway Parkway	Interstate 15 to Springbrook Dr	San Diego City
236 Sea World Dr	West Mission Bay Dr to Morena Blvd	San Diego City
237 Siempre Viva Rd	Heritage Rd to State Route 905	San Diego City
238 Sorrento Valley Blvd	Sorrento Valley Rd to Camino Santa Fe Ave	San Diego City
239 Sports Arena Blvd	Interstate 8 to Rosecrans St	San Diego City
240 Sunset Cliffs Blvd	Interstate 8 to West Mission Bay Dr	San Diego City
241 Ted Williams Parkway	Interstate 15 to Pomerado Rd	San Diego City
242 Texas St	Interstate 8 to University Ave	San Diego City
243 Torrey Pines Rd	Girard Ave to La Jolla Parkway	San Diego City
244 University Ave	State Route 163 to City of La Mesa	San Diego City
245 Valencia Parkway	Market St to Imperial Ave	San Diego City

Table M.13 (continued)**Regional Arterials by Jurisdiction**

Arterial	Limits	Jurisdiction
246 Via de la Valle	Jimmy Durante Blvd to El Camino Real	San Diego City
247 Vista Sorrento Parkway	Sorrento Valley Blvd to Carmel Mountain Rd	San Diego City
248 Wabash Blvd	32nd St to Interstate 5	San Diego City
249 Washington St	Pacific Highway to Park Blvd	San Diego City
250 Waring Rd	College Ave to Interstate 8	San Diego City
251 West Bernardo Dr	Interstate 15 to Bernardo Center Dr	San Diego City
252 West Mission Bay Dr	Mission Blvd to Sunset Cliffs Blvd	San Diego City
253 Woodman St	State Route 54 to Imperial Ave	San Diego City
254 Alpine Blvd	Interstate 8/Dunbar Lane to Interstate 8/Willows Rd	San Diego County
255 Avocado Blvd	Dewitt Court to State Route 94	San Diego County
256 Bear Valley Parkway	City of Escondido (north) to City of Escondido (south)	San Diego County
257 Bonita Rd	Interstate 805 to San Miguel Rd	San Diego County
258 Borrego Springs/Yaqui Pass Rd (S-3)	Palm Canyon Dr (S-22) to State Route 78	San Diego County
259 Bradley Ave	Wing Ave to Winter Garden Blvd	San Diego County
260 Buckman Springs/Sunrise Highway (S-1)	State Route 94 to State Route 79	San Diego County
261 Buena Creek Rd	South Santa Fe Ave to Twin Oaks Valley Rd	San Diego County
262 Camino del Norte	Rancho Bernardo Rd to City of San Diego	San Diego County
263 Campo Rd	Spring St to Sweetwater Springs/State Route 54	San Diego County
264 Citracado Parkway	Greenwood Place to Interstate 15	San Diego County
265 Cole Grade Rd	State Route 76 to Valley Center Rd	San Diego County
266 Deer Springs Rd	Twin Oaks Valley Rd to Interstate 15	San Diego County
267 Dehesa Rd	Jamacha Rd to Harbison Canyon Rd	San Diego County
268 Dehesa Rd*	Harbison Canyon Rd to Sycuan Rd	San Diego County
269 Del Dios Highway	Via Rancho Parkway to Paseo de Delicias	San Diego County
270 Dye Rd	State Route 67 to San Vicente Rd	San Diego County
271 Dye St	State Route 67 to Dye Rd	San Diego County
272 East Vista Way	State Route 76 to City of Vista	San Diego County
273 El Norte Parkway	Rees Rd to Nordahl Rd	San Diego County
274 Euclid Ave	City of National City to City of National City	San Diego County
275 Gamble Lane	Eucalyptus Ave to City of Escondido	San Diego County

Table M.13 (continued)**Regional Arterials by Jurisdiction**

Arterial	Limits	Jurisdiction
276 Gopher Canyon Rd	East Vista Way to Old Highway 395	San Diego County
277 Jamacha Rd	City of El Cajon to State Route 94	San Diego County
278 Jamacha Rd	State Route 125 to State Route 94	San Diego County
279 Keyes Rd (Southern Traffic Bypass)	San Vicente Rd to State Route 78 (Julian Rd)	San Diego County
280 Lake Jennings Park Rd	State Route 67 to Interstate 8	San Diego County
281 Lake Wohlford Rd	Valley Center Rd (north) to Valley Center Rd (south)	San Diego County
282 Las Posas Rd	City of San Marcos to Buena Creek Rd	San Diego County
283 Lone Star Rd	City of San Diego to Loop Rd	San Diego County
284 Maplevue St	State Route 67 to Lake Jennings Rd	San Diego County
285 Mar Vista Drive	City of Oceanside to City of Vista	San Diego County
286 Melrose Dr	City of Oceanside to City of Vista	San Diego County
287 Mission Rd (S-13)	Interstate 15 to State Route 76	San Diego County
288 Mountain Meadow Rd	Interstate 15/Deer Springs Rd to Valley Center Rd	San Diego County
289 Montezuma Valley/Palm Canyon (S-22)	State Route 79 to Imperial County Line	San Diego County
290 Nordahl Rd	El Norte to City of San Marcos	San Diego County
291 Old Highway 80	Buckman Springs Rd to Interstate 8 (In-ko-pah)	San Diego County
292 Old Highway 80	State Route 79 to Sunrise Highway	San Diego County
293 Old Highway 395/Champagne/ North Centre City	East Mission Rd to City of Escondido	San Diego County
294 Otay Lakes Rd	Wueste Rd to State Route 94	San Diego County
295 Otay Mesa Rd	City of San Diego to Loop Rd	San Diego County
296 Paradise Valley Rd	City of San Diego to Sweetwater Rd	San Diego County
297 Paseo Delicias	El Camino del Norte to Via de la Valle	San Diego County
298 Rancho Bernardo Rd	City of San Diego (west) to City of San Diego (east)	San Diego County
299 San Felipe Rd/Overland Route (S-2)	County Route S-22 to Imperial County Line	San Diego County
300 San Vicente Rd/10th St	State Route 67 (Main St) to Wildcat Canyon Rd	San Diego County
301 Scripps Poway Parkway	Sycamore Canyon Rd to State Route 67	San Diego County
302 Siempre Viva Rd	City of San Diego to Loop Rd	San Diego County
303 South Santa Fe Ave	City of Vista to City of San Marcos	San Diego County
304 Sunrise Highway	State Route 79 to Interstate 8	San Diego County

Table M.13 (continued)**Regional Arterials by Jurisdiction**

Arterial	Limits	Jurisdiction
305 Sweetwater Rd (Bonita)	Willow St to City of National City	San Diego County
306 Sweetwater Rd (Spring Valley)	Jamacha Blvd to Broadway	San Diego County
307 Sweetwater Springs Blvd	Jamacha Blvd to State Route 94	San Diego County
308 Valley Center Rd	State Route 76 to City of Escondido	San Diego County
309 Valley Center New Northern E to W Rd	Cole Grade Rd to Old Highway 395	San Diego County
310 Via de la Valle	City of San Diego to Paseo Delicias	San Diego County
311 Via Rancho Parkway	Del Dios Highway to City of Escondido	San Diego County
312 Wildcat Canyon Rd*	Mapleview St to San Vicente Rd	San Diego County
313 Willow Glen Dr	Jamacha Rd to Dehesa Rd	San Diego County
314 Willows Rd	Interstate 8 to Viejas Casino	San Diego County
315 Winter Gardens Blvd	State Route 67 to 2nd St	San Diego County
316 Barham Dr	Twin Oaks Valley Rd to Los Amigos	San Marcos
317 Borden Rd	Las Posas Rd to Woodland Parkway	San Marcos
318 Buena Creek Rd	Twin Oaks Valley Rd to Sunny Vista Lane	San Marcos
319 Discovery St	San Marcos Blvd to Twin Oaks Valley Rd	San Marcos
320 Las Posas Rd	West San Marcos Blvd to North City Limits	San Marcos
321 Mission Rd	Pacific St to Barham Dr	San Marcos
322 San Elijo Rd	Twin Oaks Valley Rd to Rancho Santa Fe Rd	San Marcos
323 Rancho Santa Fe Rd	Mission Rd to Melrose Dr	San Marcos
324 San Marcos Blvd	Business Park Dr to Mission Rd	San Marcos
325 South Santa Fe Ave	Smilax Rd to Pacific St	San Marcos
326 Twin Oaks Valley Rd	Deer Springs Rd to Questhaven Rd	San Marcos
327 Woodland Parkway	Barham Dr to El Norte Parkway	San Marcos
328 Cuyamaca St	Mission Gorge Rd to City of El Cajon	Santee
329 Magnolia Ave	Mast Blvd to Prospect Ave/State Route 67	Santee
330 Mast Blvd	State Route 52 to Magnolia Ave	Santee
331 Mission Gorge Rd	City of San Diego to Magnolia Ave	Santee
332 Woodside Ave	Magnolia Ave to State Route 67	Santee
333 Coast Highway	City of Encinitas to City of Del Mar	Solana Beach
334 Lomas Santa Fe Ave	Interstate 5 to Coast Highway	Solana Beach

Table M.13 (continued)**Regional Arterials by Jurisdiction**

Arterial	Limits	Jurisdiction
335 Bobier Dr	North Melrose Dr to East Vista Way	Vista
336 Cannon Rd (Mar Vista Dr)	South Melrose Dr to State Route 78	Vista
337 East Vista Way	Escondido Ave to County of San Diego	Vista
338 Emerald Dr	Sunset Dr to State Route 78	Vista
339 Escondido Ave	State Route 78 to East Vista Way	Vista
340 North Melrose Dr	State Route 78 to Bobier Dr	Vista
341 North Santa Fe Ave	Main St to North Melrose Dr	Vista
342 Olive Ave	Emerald Dr to Vista Village Dr	Vista
343 South Melrose Dr	City of Carlsbad to State Route 78	Vista
344 South Santa Fe Ave	Main St to County of San Diego	Vista
345 Sycamore Ave	South Santa Fe Ave to South Melrose Dr	Vista
346 Thibodo Rd	Mar Vista Dr (Cannon Rd) to Sycamore Ave	Vista
347 Vista Village Dr	State Route 78 to Escondido Ave	Vista
348 West Vista Way	Thunder Dr to Vista Village Dr	Vista

* Included in the Regional Arterial System contingent upon being designated as a four-lane arterial by the County of San Diego.

Appendix A-5

Projects Exempt from Air Quality Conformity Determination

Appendix A-5

Projects Exempt from Air Quality Conformity Determination

Project/Program Description	Project/Program Description
<i>Bikeway, Rail Trail, and Pedestrian Projects</i>	
Bayshore Bikeway	Maple Street Pedestrian Plaza
Bay-to-Ranch Bikeway	Mid-County Bikeway
Border Access Bicycle Corridor	Mira Mesa Bicycle Corridor
Camp Pendleton Trail	Mission Valley – Chula Vista Bicycle Corridor
Carlsbad – San Marcos Bicycle Corridor	National City – Highland Avenue Community Corridor
Central Coast Bicycle Corridor	North Park – Centre City Bicycle Corridor
Chula Vista Greenbelt	Oceanside – Bicycle Master Plan
City Heights – Old Town Bicycle Corridor	Otay Mesa Port of Entry Pedestrian/Bicycle Facilities
Clairemont – Centre City Bicycle Corridor	Park Boulevard Bicycle Connector
Coastal Rail Trail	Poway Bicycle Loop
East County Northern Bicycle Loop	San Diego Regional Bicycle Plan
East County Southern Bicycle Loop	San Diego River Multi-Use Bicycle and Pedestrian Path
El Camino Real Bicycle Corridor	San Luis Rey River Trail
Encinitas – San Marcos Bicycle Corridor	Santee – El Cajon Bicycle Corridor
Escondido Creek Bike Path Bridge and Bikeway	SR 52 Bikeway
Gilman Bicycle Connector	SR 56 Bikeway
Hillcrest – El Cajon Bicycle Corridor	SR 56/Black Mountain Road Bikeway Interchange
Imperial Beach Bicycle Connector	SR 125 Bicycle Corridor
Inland Rail Trail	SR 905 Bicycle Corridor
Interstate 8 Bicycle Corridor	Sweetwater River Trail
SR 15 Bikeway	Tecate International Border Crossing Pedestrian Facilities
Interstate 805 Bicycle Corridor	Ted Williams Parkway Pedestrian Bridge at Shoal Creek
Kearny Mesa – Beaches Bicycle Corridor	Third Avenue Bicycle and Pedestrian Access
Kensington – Balboa Park Bicycle Corridor	Vista Way Bicycle Connector
	West Bernardo Bike Path

Project/Program Description	Project/Program Description
<i>Safety Improvement Program</i>	<i>Transportation Systems Management</i>
Bridge Rehabilitation/ Preservation/Retrofit	Traveler Information System
Collision Reduction	Bus on Shoulder Service
Emergency Response	Compass Card
Hazard Elimination/Safe Routes to School	<i>FasTrak®</i>
Highway Maintenance	Freeway Service Patrol
Safety Improvement Program	Vehicle Automation
Roadway/Roadside Preservation	Regional Vanpool Program
Smart Growth Incentive Program	Multimodal Integration and Performance-Based Management
Safe Routes to Transit	Intelligent Transportation System for Transit
Safe Routes to School	ITS Operations
Transit Terminals	Joint Transportation Operations Center
Airport Intermodal Transit Center/Terminal	Trolley Fiber Communication Network
San Ysidro Intermodal Transit Center/Terminal	Electronic Payment Systems and Universal Transportation Account
	Various Traffic Signal Optimization/Prioritization
	Transit Infrastructure Electrification
	Employer Services and Outreach
	Commuter Services and Bike Program
	Mobility Hubs
	Active Traffic and Demand Management
	Shared Mobility Services

Appendix A-6

Regional Emissions Analysis and Modeling Procedures

Appendix A-6

Regional Emissions Analysis and Modeling Procedures

Background

The federal Clean Air Act (CAA), which was last amended in 1990, requires the United States Environmental Protection Agency (U.S. EPA) to set National Ambient Air Quality Standards (NAAQS) for pollutants considered harmful to public health and the environment. California has adopted state air quality standards that are more stringent than the NAAQS. Areas with levels that violate the standard for specified pollutants are designated as nonattainment areas.

The U.S. EPA requires that each state containing nonattainment areas develop plans to attain the NAAQS by a specified attainment deadline. These attainment plans are called State Implementation Plans (SIP). The San Diego County Air Pollution Control District (APCD) prepares the San Diego portion of the California SIP. Once the standards are attained, further plans – called Maintenance Plans – are required to demonstrate continued maintenance of the NAAQS.

The San Diego Association of Governments (SANDAG) and the United States Department of Transportation (U.S. DOT) must make a determination that the Regional Transportation Plan (RTP) and the Regional Transportation Improvement Program (RTIP) conform to the SIP for air quality. Conformity to the SIP means that transportation activities will not create new air quality violations, worsen existing violations, or delay the attainment of the national ambient air quality standards.

On September 26, 2014, the SANDAG Board of Directors (Board) adopted the final 2014 RTIP and its conformity determination and redetermination of conformity for the 2050 RTP. The U.S. DOT, in consultation with the U.S. EPA, made its conformity determination on December 15, 2014.

On October 9, 2015, the SANDAG Board made a finding of conformity for San Diego Forward: The Regional Plan, which serves as the Regional Transportation Plan. On October 16, 2015, the SANDAG Board ratified the 2014 RTIP Amendment No. 7 and its conformity analysis. The U.S. DOT issued its conformity finding for the Regional Plan and the 2014 RTIP through Amendment No. 8 on December 2, 2015.

On April 15, 2004, the U.S. EPA designated the San Diego air basin as nonattainment for the 1997 Eight-Hour Ozone Standard. This designation took effect on June 15, 2004. However, several areas that are tribal lands in eastern San Diego County were excluded from the nonattainment designation.

The air basin initially was classified as a basic nonattainment area under Subpart 1 of the CAA, and the attainment date for the 1997 Eight-Hour Ozone Standard was set as June 15, 2009. In cooperation with SANDAG, the San Diego APCD developed an Eight-Hour Ozone Attainment Plan for the 1997 standard, which was submitted to the U.S. EPA on June 15, 2007. The budgets in the Eight-Hour Ozone Attainment Plan for San Diego County were found adequate for transportation conformity purposes by the U.S. EPA, effective June 9, 2008.

However, on April 27, 2012, in response to a Court decision, the U.S. EPA ruled that the San Diego basic nonattainment area be reclassified as a Subpart 2 moderate nonattainment area, with an attainment deadline of June 15, 2010. This reclassification became effective on June 13, 2012. Air quality data for 2009, 2010, and 2011 demonstrated that the San Diego air basin attained the 1997 ozone standard; APCD prepared a Maintenance Plan, with a request for redesignation to attainment/maintenance. On December 6, 2012, the California Air Resources Board (CARB) approved the Redesignation Request and Maintenance Plan for the 1997 National Ozone Standard for San Diego County for submittal to the U.S. EPA as a SIP revision. Effective July 5, 2013, the U.S. EPA approved California's request to redesignate the San Diego County ozone nonattainment area to attainment for the 1997 Eight-Hour Ozone National Ambient Air Quality Standard and their plan for continuing to attain the 1997 ozone standard for ten years beyond redesignation.

On May 21, 2012, the U.S. EPA designated the San Diego air basin as a nonattainment area for the 2008 Eight-Hour Ozone standard and classified it as a marginal area with an attainment date of December 31, 2015. This designation became effective on July 20, 2012. SANDAG determined conformity to the new standard on May 24, 2013, using the applicable model approved by the U.S. EPA to forecast regional emissions (EMFAC2011). The U.S. DOT, in consultation with the U.S. EPA, made its conformity determination on June 28, 2013. The U.S. EPA's final rule also provides for the revocation of the 1997 Eight-Hour Ozone NAAQS for transportation conformity purposes effective July 20, 2013. In a D.C. Circuit Court decision on December 23, 2014, (NRDC v. EPA, No. 12-1321), it was determined that the attainment date for marginal areas would be set for July 20, 2015.

Effective June 3, 2016, the U.S. EPA determined that 11 areas, including the San Diego air basin, failed to attain the 2008 ozone NAAQS by the applicable attainment date of July 20, 2015, and thus are reclassified by operation of law as "Moderate" for the 2008 ozone NAAQS. States containing any or any portion of these new Moderate areas must submit SIP revisions that meet the statutory and regulatory requirements that apply to 2008 ozone nonattainment areas classified as Moderate by January 1, 2017. The San Diego Air Pollution Control District will be submitting a SIP revision addressing Moderate area requirements to the Air Resources Board (ARB), who will submit the document to the U.S. EPA.

Also, the San Diego region has been designated by the U.S. EPA as a federal maintenance area for the Carbon Monoxide (CO) standard. On November 8, 2004, ARB submitted the 2004 revision to the California SIP for CO to the U.S. EPA. Effective January 30, 2006, the U.S. EPA has approved this maintenance plan as a SIP revision.

Transportation Conformity: Modeling Procedures

Introduction

The 2016 RTIP is consistent with the Regional Plan. As a financially constrained plan, the 2016 RTIP only contains major transportation projects listed in the Revenue Constrained Regional Plan that are being implemented in the five-year 2016 RTIP period. Chapter 4 of the 2016 RTIP includes a detailed discussion on fiscal constraint. Conformity of the Regional Plan expires on December 2, 2019; Tables A-6.9 and A-6.10 include the conformity analysis for both the 2016 RTIP and the conformity redetermination for the Regional Plan.

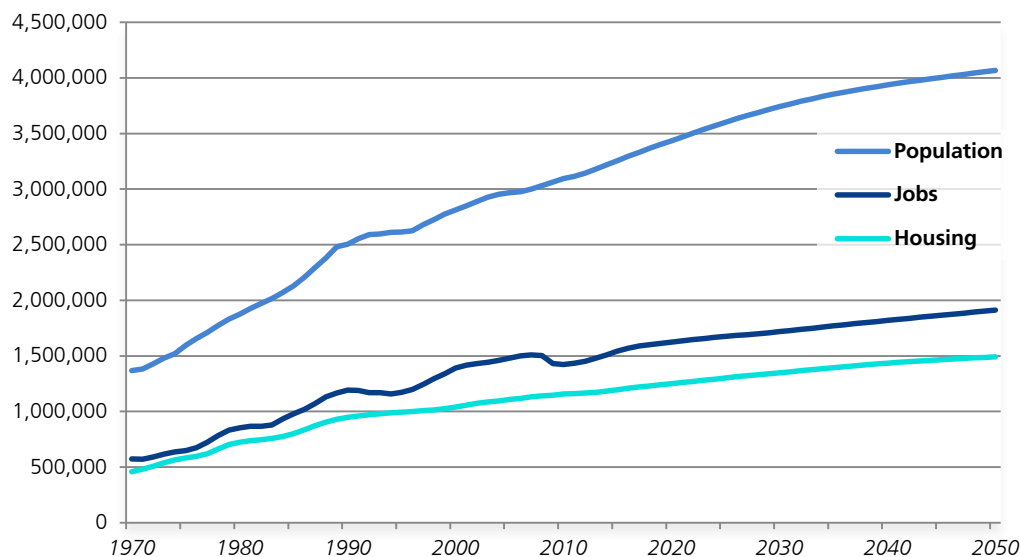
Growth Forecasts

Every three to five years, SANDAG produces a long-range forecast of population, housing, and employment growth for the San Diego region. The most recently adopted forecast is the Series 13 2050 Regional Growth Forecast (adopted by the SANDAG Board on October 9, 2015), and was utilized in the development of the Regional Plan and the 2016 RTIP.

The forecast process relies upon three integrated forecasting models. The first one, the Demographic and Economic Forecasting Model, provides a detailed econometric and demographic forecast for the entire region. The second model, the Production, Exchange, Consumption, Allocation Model, considers land economics and the potential for redevelopment in determining subregional allocation of employment and housing. The third model, the Urban Development Model, allocates the results of the first two models to Master Geographic Reference Areas (MGRA) based upon the current plans and policies of the jurisdictions. MGRAs are the base unit of geography for SANDAG subregional land use models. Similar in size to Census blocks or block groups, MGRAs are designed to nest within other administrative boundaries such as Census tracts, school districts, and jurisdictions among others, allowing MGRA-level forecast data to be aggregated up to larger areas.

On March 2, 2016, SANDAG consulted with the San Diego Region Conformity Working Group (CWG) on the use of the Series 13, 2050 Regional Growth Forecast for the air quality conformity analysis of the 2016 RTIP and Regional Plan conformity redetermination. Previously, both the U.S. DOT and the U.S. EPA concurred that approved plans should be used as input in the air quality conformity process. Figure A-6.1 and Table A-6.1 show the regional population, jobs, and housing growth forecast for the San Diego region through 2050.

Figure A-6.1: San Diego Regional Population, Jobs, and Housing Forecast



Source: 2050 Regional Growth Forecast, SANDAG, October 2015

Table A-6.1: San Diego Regional Population and Employment Forecast

Year	Population	Employment
2012	3,143,429	1,450,913
2020	3,435,713	1,624,124
2035	3,853,698	1,769,938
2040	4,068,759	1,911,405

Source: Series 13, 2050 Regional Growth Forecast, SANDAG, October 2015

The Series 13, 2050 Regional Growth Forecast is based largely upon the adopted general plans and community plans and policies of the 18 cities and the County. Because many of the local general plans have horizon years of 2030 – 20 years before the 2050 Growth Forecast horizon year – the later part of the forecast was developed in collaboration with each of the local jurisdictions through an iterative process that allowed each city to provide their projections for land uses in those later years.

Transportation Modeling

SANDAG uses a calibrated and validated activity-based model (ABM) to support the development of the Regional Plan.¹ An ABM simulates individual and household transportation decisions that comprise their daily travel itinerary. It predicts whether, where, when, and how people travel outside their home for activities such as work, school, shopping, healthcare, and recreation.

ABMs are becoming the standard travel demand modeling technology used by large Metropolitan Planning Organizations (MPOs), including the Sacramento Area Council of Governments, and the Bay Area Metropolitan Transportation Commission. These models allow for a more nuanced analysis of complex policies and projects. The powerful analytic capabilities of an ABM are particularly helpful in evaluating social equity, carpooling, transit access, parking conditions, tolling, and pricing. Because an ABM tracks the characteristics of each person, the model can be used to analyze the travel patterns of a wide range of socio-economic groups. For example, a household with many members may be more likely to carpool, own multiple vehicles, and share shopping responsibilities.

ABM outputs are used as inputs for regional emissions forecasts. The estimates of regional transportation-related emissions analyses conducted for the 2016 RTIP and Regional Plan conformity redetermination meet the requirements established in the Transportation Conformity Regulation (40 CFR §93.122(b) and §93.122(c)). These requirements relate to the procedures to determine regional transportation-related emissions, including the use of network-based travel models, methods to estimate traffic speeds and delays, and the estimation of vehicle miles traveled (VMT).

The regionally significant projects, and the timing for when they are expected to be open to traffic in each analysis year, are documented in Tables A-6.12 through A-6.14. The design concept and scope of projects allows adequate model representation to determine interactions with regionally significant facilities, route options, travel times, transit ridership, and land use.

This appendix describes the key modeling units, ABM model flow, the San Diego residents travel module, highway, transit and active transportation networks, data sources, and emissions modeling.

Key Modeling Units

An ABM simulates individual and household travel decisions through tours, that is, a journey that begins and ends at home. A tour includes a chain of trips (segments of travel with a given origin and destination). The advantage of modeling tours and trips hierarchy is to ensure spatial, temporal, and modal consistency and integrity across trips within a tour.

To simulate trips and tours made by individuals and households, the SANDAG ABM includes a total of eight person-types, shown in Table A-6.2. The person-types are mutually exclusive with respect to age, work status, and school status.

Table A-6.2: Person Types

Number	Person-Type	Age	Work Status	School Status
1	Full-time worker ²	18+	Full-time	None
2	Part-time worker	18+	Part-time	None
3	College student	18+	Any	College+
4	Non-working adult	18 – 64	Unemployed	None
5	Non-working senior	65+	Unemployed	None
6	Driving age student	16 – 17	Any	Pre-college
7	Non-driving student	6 – 15	None	Pre-college
8	Pre-schooler	0 – 5	None	None

Further, workers are stratified by their occupation to take full advantage of information provided by the land use and demographic models. Table A-6.3 outlines the worker categories. These models are used to segment destination choice attractiveness for work location choice, based on the occupation of the worker.

Table A-6.3: Occupation Types

Number	Description
1	Management, Business, Science, and Arts
2	Services
3	Sales and Office
4	Natural Resources, Construction, and Maintenance
5	Production, Transportation, and Material Moving
6	Military

The SANDAG ABM assigns one of the activity types to each out-of-home location that a person travels to in the simulation, shown in Table A-6.4. The activity types are grouped according to whether the activity is mandatory, maintenance, or discretionary. The classification scheme of activities into the three categories helps differentiate the importance of the activities. Mandatory includes work and school activities. Maintenance includes household-related activity such as drop-off and pick-up of children, shopping, and medical appointments. Discretionary includes social and recreational activities. To determine which person-types can be used for generating each activity type, the model assigns eligibility requirements. For example, a full-time worker will generate mandatory work activities while a non-working adult, or senior, is eligible for non-mandatory activities. The classification scheme of each activity type reflects the relative importance or natural hierarchy of the activity, where work and school activities are typically the most inflexible in the person's daily travel itinerary.

Table A-6.4: Activity Types

Type	Purpose	Description	Classification	Eligibility
1	Work	Working at regular workplace or work-related activities outside the home	Mandatory	Workers and students
2	University	College+	Mandatory	Age 18+
3	High School	Grades 9-12	Mandatory	Age 14-17
4	Grade School	Grades K-8	Mandatory	Age 5-13
5	Escorting	Pick-up/drop-off passengers (auto trips only)	Maintenance	Age 16+
6	Shopping	Shopping away from home	Maintenance	5+ (if joint travel, all persons)
7	Other Maintenance	Personal business/services and medical appointments	Maintenance	5+ (if joint travel, all persons)
8	Social/Recreational	Recreation, visiting friends/family	Discretionary	5+ (if joint travel, all persons)
9	Eat Out	Eating outside of home	Discretionary	5+ (if joint travel, all persons)
10	Other Discretionary	Volunteer work, religious activities	Discretionary	5+ (if joint travel, all persons)

The SANDAG ABM models a full travel day of activity broken into one-half hour intervals. These one-half hour increments begin at 3 a.m. and end at 3 a.m. the next day, though the hours between 1 a.m. and 5 a.m. are aggregated to reduce computational burden. The ABM ensures temporal integrity so that no activities are scheduled with conflicting time windows, with the exception of short activities/tours that are completed within a one-half hour increment. The ABM assigns auto and transit traffic at five discrete time-of-day periods aggregated from the half-hour intervals shown in Table A-6.5.

Table A-6.5: Time Periods for Level of Service Skims and Assignment

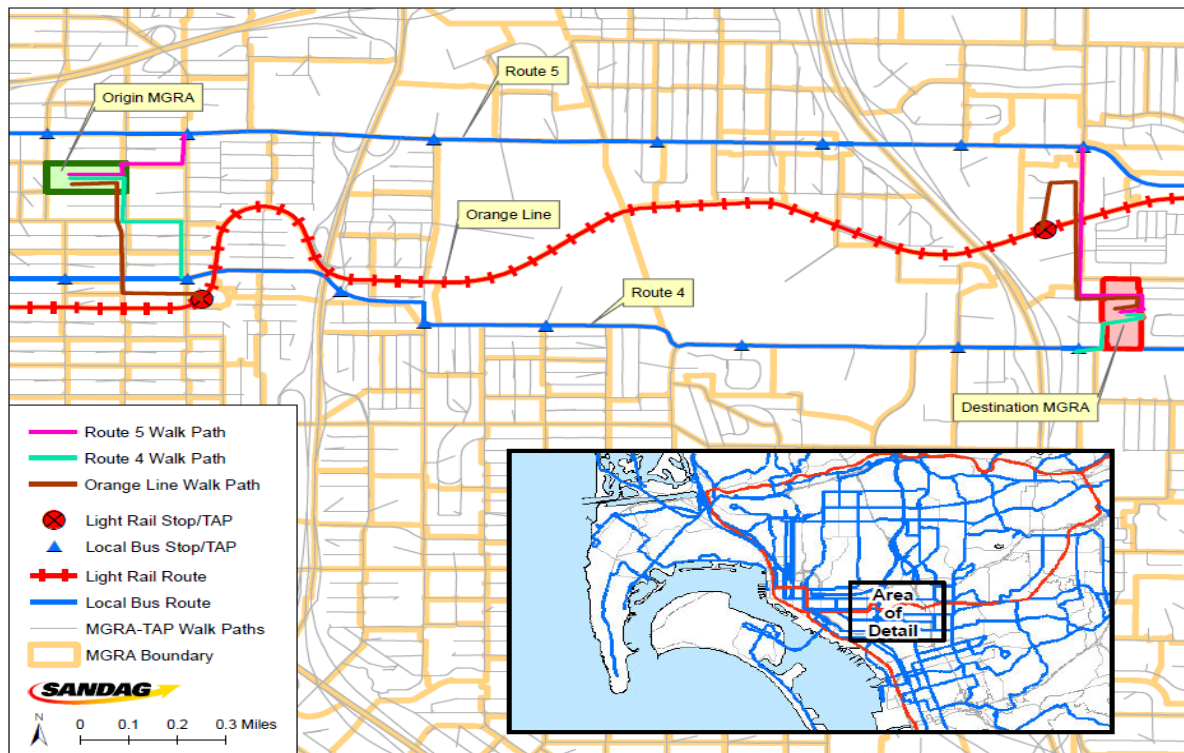
Number	Description	Begin Time	End Time
1	Early	3:00 a.m.	5:59 a.m.
2	A.M. Peak	6:00 a.m.	8:59 a.m.
3	Midday	9:00 a.m.	3:29 p.m.
4	P.M. Peak	3:30 p.m.	6:59 p.m.
5	Evening	7:00 p.m.	2:59 a.m.

The SANDAG ABM uses three-tier zone systems shown in Table A-6.6: Zone System. The MGRA zone system is used for transit access and calculations, and location choice models; the Traffic Analysis Zone (TAZ) system is used for highway path building and assignment; and the pseudo-TAZ called Transit Access Point (TAP) is used for transit path building and assignment. The 23,000 MGRAs are roughly equivalent to census block groups. The ABM uses generalized transit stops as TAPs, and relies on the traffic assignment software to generate TAP-TAP Level of Service (LOS) matrices (also known as “skims”) such as in-vehicle time, first wait, transfer wait, and fare for transit calculation at the MGRA level. A custom-built software calculates walk access time from MGRA to TAP through paths from an all-street active transportation network including bike paths and walkways for non-motorized travel, and build paths following the Origin MGRA – Boarding TAP – Alighting TAP – Destination MGRA patterns. Figure A-6.2: Example MGRA - TAP Transit Accessibility shows a graphical depiction of MGRA – TAP transit paths. It displays potential walk paths from an origin MGRA through three potential boarding TAPs (two of which are local bus, and one of which is rail), with three potential alighting TAPs at the destination end.

Table A-6.6: Zone System

Zone System	Description	Number of Zones
MGRA	Master-Geographic Reference Area	23,000
TAZ	Traffic Analysis Zone	4,996
TAP	Transit Access Point	2,500

Figure A-6.2: Example MGRA – TAP Transit Accessibility



The ABM includes 26 modes available to residents, including auto by occupancy, toll/non-toll choice and lanes for high occupancy vehicle (HOV) or non-HOV, walk and bike modes, and walk and drive access to five different transit line-haul modes. Pay modes are those that involve paying a choice or “value” toll.

Table A-6.7 lists the trip modes defined in the SANDAG ABM.

To model transit flow, the ABM uses five transit line-haul modes: (1) Commuter Rail (COASTER), (2) Light Rail Transit (LRT) (including Trolley, SPRINTER, and Streetcar), (3) Bus *Rapid* Transit (*Rapid*)/Rapid Bus, (4) Express Bus, and (5) Local Bus. The mode of access to transit includes walk, park & ride (PNR), and kiss & ride (KNR or drop-off).

Table A-6.7: Trip Modes

Number	Mode
2	Drive Alone (Non-Toll)
2	Drive Alone (Toll)
3	Share Ride 2 Person (Non-Toll, Non-HOV)
4	Share Ride 2 Person (Non-Toll, HOV)
5	Share Ride 2 Person (Toll, HOV)
6	Share Ride 3+ Person (Non-Toll, Non-HOV)
7	Share Ride 3+ Person (Non-Toll, HOV)
8	Share Ride 3+ Person (Toll, HOV)
9	Walk-Local Bus
10	Walk-Express Bus
11	Walk-BRT
12	Walk-Light Rail
13	Walk-Heavy Rail
14	PNR-Local Bus
15	PNR-Express Bus
16	PNR-Bus <i>Rapid</i> Transit (BRT)/ <i>Rapid</i> Bus
17	PNR-Light Rail
18	PNR-Heavy Rail
19	KNR-Local Bus
20	KNR-Express Bus
21	KNR-BRT
22	KNR-Light Rail
23	KNR-Heavy Rail
24	Walk
25	Bike
26	School Bus (only available for school purpose)

ABM Model Flow

To simulate San Diego residents and non-residents travel, and freight travel, the SANDAG ABM includes several models and steps.

Figure A-6.3 outlines the overall flow of the SANDAG ABM. It starts with building highway and transit networks in the traffic assignment software followed by highway assignment to create congested highway and transit travel times. A parallel step is to create a year-specific active transportation network and generate walking accessibility measures between MGRAs, between MGRA and TAP, and bike accessibility measures

between MGRAs and between TAZs. The congested highway and transit skims, and the walking and biking accessibility measures, are inputs to the simulated models. The congested highway skims are also inputs to the aggregate models. Once the simulated and aggregated models generate trips by residents or various travelers, the ABM aggregates the vehicle trips from MGRA to TAZ to TAZ matrices by time of day, by toll and non-toll, and by vehicle class, and assigns the vehicle trips to the highway network. The highway assignment generates the congested networks by time of day. The ABM then skims the congested networks to provide accessibility for the next iteration of the simulated and aggregated models. The process iterates three feedback loops. The last iteration assigns both highway and transit trips and creates skims for land use models. The outputs from the final step are used to generate input for EMFAC emissions modeling.

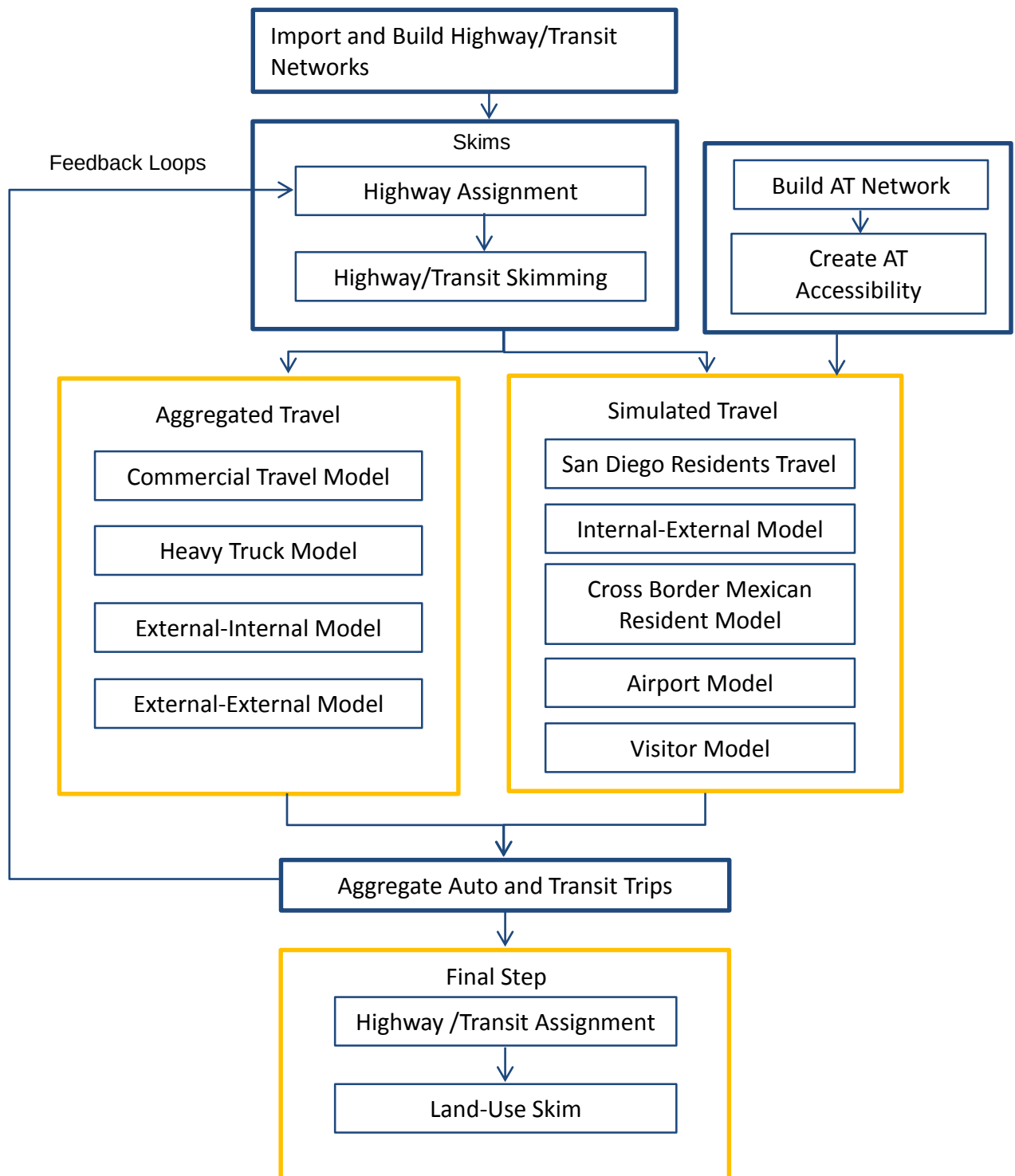
At the heart of the SANDAG ABM is the San Diego County residents' travel module. It simulates San Diegan's daily travel choices. In addition to the residents' travel, there are trips made by visitors, commercial vehicles, and freight transportation. A number of special travel models (commercial vehicle model, truck model, air passenger model, external trip model, visitor model, and crossborder model) account for these other sources of transportation demand. The models are run in parallel with the residents' travel module. Trips generated from the simulated and aggregate models are summed up to an auto trip matrix and transit trip matrix by time of day by mode, and assigned to highway and transit networks.

After network assignment, the EMFAC model is used to generate emissions summaries based on the inputs generated by the post processing of highway assignment outputs.

San Diego Residents Travel Module

The San Diego residents' travel module is comprised of numerous interacting components called "sub-modules." It starts with generating a representative population for the San Diego region. Once a representative population is created, the model predicts long-term and medium-term decisions such as a choice of work or school location and a household's choice of number of cars to own. Next, each person's day is scheduled, taking into account the priority of various activities and interaction among the household members. Once all journeys to and from home have been scheduled, the model predicts specific travel details such as mode, the number of stops to make, where to stop, and when to depart from each stop to continue the tour. The final step of the ABM is traffic assignment where trips are summarized by traffic analysis zones and assigned to the transportation network.

Figure A-6.3: SANDAG ABM Flow Chart



The following section discusses the sub-modules, in the order that each sub-module is taken within the San Diego residents' travel module.

The following section discusses the sub-modules, in the order that each sub-module is taken within the San Diego residents' travel module.

Step 1: Population synthesis (build a representative population that looks like San Diego)

The first step is to create a 'synthetic' population of San Diego County. A synthetic population is a table that has a record for every individual and household, with the individual's and the household's characteristics. For example, if there are 41,000 18-year-old males in the region in 2050, there would be approximately 41,000 records in the table for males age 18, with each record also having other characteristics such as school enrollment and labor force participation status. Taken as a whole, this synthetic population represents the decision-makers whose travel choices the model will simulate in later steps. For each simulation year, a full population is synthesized to match the forecasted socio-economic and housing characteristics of each part of the region at the zonal level. These forecasts, a key ABM input, come from the land use model. Synthesis works by replicating a sample of census records (each containing complete household and individual characteristics) and placing them around the region in such a way that the forecasted characteristics of each zone are matched.

Step 2: Work and school location (assign a work location to workers and a school location to students)

The second step predicts where each individual will go to work or school, if applicable. The work and school location sub-module simulates each worker's choice of work location, taking into account many factors, including ease-of-travel and the number of employees by occupation type in each location. The sub-module also simulates each student's choice of school, taking into account factors that include the distance from home to school, school enrollment, and district boundaries. The results from this step affect later travel choices significantly because of the prominent role that workplace and school usually play in the itinerary of workers and students.

Step 3: Determine certain mobility characteristics of individuals and households

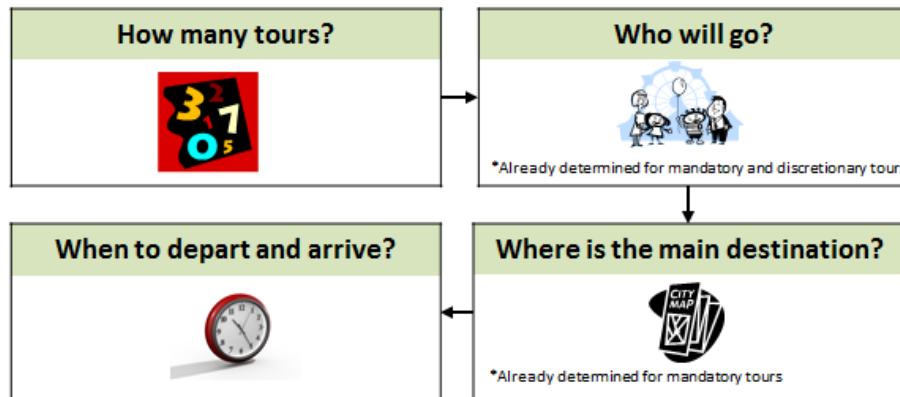
This step predicts the number of automobiles each household owns, whether each household owns a toll transponder, and whether worker parking costs are employer-reimbursed. The sub-module assigns each household zero cars, one car, two cars, three cars, or 'four or more' cars, taking into account a number of criteria, including household size, income, number of drivers, and how easy it is to reach destinations from the household's place of residence. This step sets certain mobility characteristics that influence how people travel.

Step 4: Schedule the day

The fourth step begins by predicting a 'daily activity' pattern for each individual. A daily activity pattern is a theme that dictates an individual's schedule. A 'mandatory' pattern means that an individual travels to work and/or school, and then schedules other activities around work/school. An 'at-home' pattern means that an individual's daily schedule involves no travel in the region. A 'non-mandatory' pattern means that an individual's daily schedule involves traveling, but only to destinations other than work or school. The pattern-type of other household members influences an individual's daily pattern type. For example, if a child stays home from school, a working parent might be more likely to stay home from work as well.

Once the sub-module selects an individual's daily activity pattern, it schedules the tours that he or she will take. Recall that a tour is a journey that begins and ends at home, and it can include stops at other destinations on the way to or from the primary destination. The ABM deals with three main categories of tours: (1) mandatory tours; (2) joint tours; and (3) non-mandatory tours. Mandatory tours have work or school as the primary destination. Joint tours involve out-of-home activities that multiple members of a household partake in together. Non-mandatory tours involve purposes other than work or school that an individual undertakes independent of other members of his or her household. The sub-module schedules each tour type by predicting how many tours of that type there are, who will participate in the tour, where the main destination is, and when to depart and arrive (see Figure A-6.4).

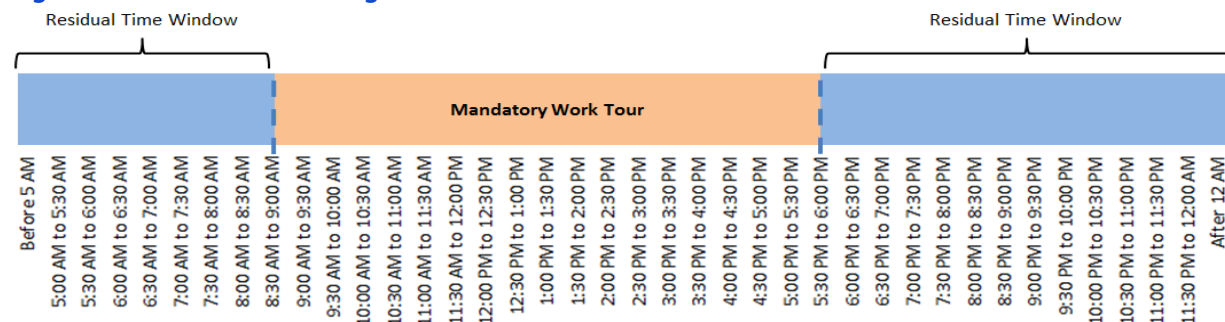
Figure A-6.4: Predicting Tour Type Scheduling Details



For individuals assigned a 'mandatory' activity pattern, the sub-module first assigns the number of work tours and/or school tours they will make. After the number of these mandatory tours has been determined, the sub-module selects the time of departure from and arrival back home for each tour.

After scheduling the mandatory tours, the sub-module calculates time remaining for other tours. Remaining intervals of time are called "residual time windows," and other tours can only be scheduled in these open slots (see Figure A-6.5 for an example) to guarantee temporal consistency.

Figure A-6.5: Tour Scheduling Windows



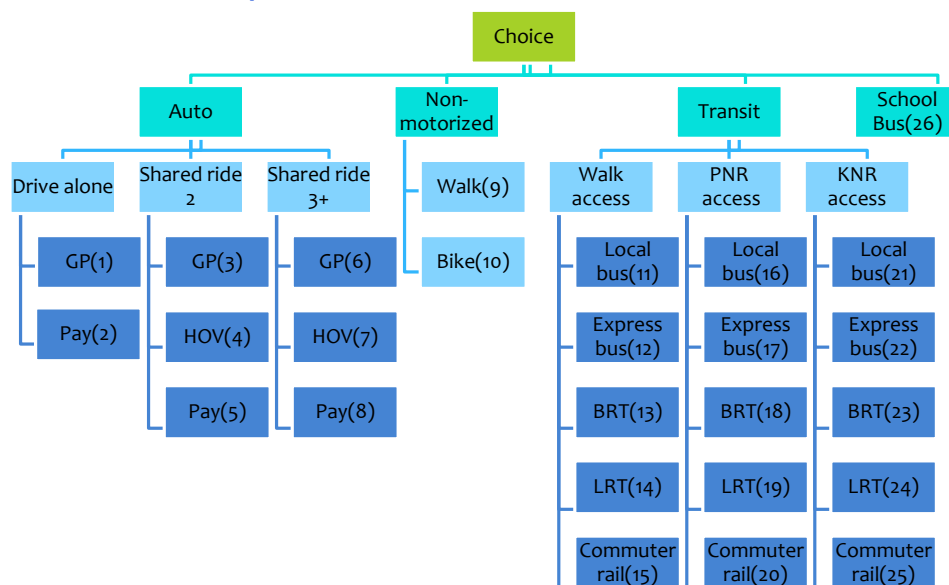
In time remaining after mandatory tours are scheduled, the sub-module determines the number of joint tours to be made for each household. It only schedules joint tours in the time windows that overlap *between individuals* after it accounts for mandatory activities. After the number and purpose of these joint tours has been determined, the sub-module decides which household members will participate in each joint tour and whether the joint tour must involve a combination of children and adults. The sub-module then chooses a

specific destination for the tour and the specific times when tour participants will depart from and arrive back home together. Next, 'non-mandatory' tours are scheduled. For each household, the sub-module decides what other tours need to be made for the purpose of household 'maintenance' activities such as shopping. These tours are assigned to specific household members to carry out individually. For the person who is assigned each maintenance tour, the model selects a specific destination and schedules the tour to take place in a time window that mandatory tours and joint tours have left open. Finally, in what time remains, the model decides whether each individual will take non-mandatory 'discretionary' tours. These low-priority tours involve activities related to recreation, eating out, and social functions. Discretionary tours can only take place in time windows that remain after all other tours have been scheduled. The sub-module chooses a specific destination and departure/arrival combination for each discretionary tour a person makes.

Step 5: Make tour and trip-level decisions

The ABM then selects more detailed characteristics of each tour for every traveler. This step fills in travel details after the major aspects of the day have been scheduled. Tour characteristics that need to be determined include: primary mode of the tour, how many times to stop, where to stop, and when to depart from each stop to continue the tour. Figure A-6.6 includes the available modes and mode hierarchy. After tour characteristics are set, the sub-module determines the mode of each trip (conditional upon tour mode). Recall that trips are segments of tours that have a given origin and destination. If the trip mode involves an automobile and the destination is a parking-constrained area, then the model chooses a parking location for the traveler at the trip destination.

Figure A-6.6: Tour and Trip Modes³



Step 6: Aggregating and assigning auto and transit trips

The previous step provided travel details for each person down to the trip level. In this final step, the model sums all trips taken by individuals in San Diego County along with trips generated by other models that represent special categories of travel within the region that are not covered by the ABM. The model aggregates auto trips in TAZ to TAZ matrices by time of day and assigns trips to the highway network, and aggregates transit trips in TAP to TAP matrices by time of day and assigns to the transit network.

SANDAG loads traffic using the Multimodal Multiclass Assignment function of the traffic assignment software. Multiclass assignment allows SANDAG to assign the eight vehicle modes (drive alone non-toll; drive alone toll; share ride 2 non-toll non HOV; share ride 2 non-toll HOV; share ride 2 toll HOV; share ride 3+ non-toll non HOV; share ride 3+ non-toll HOV; and share ride 3+ toll HOV) plus the six truck toll, and non-toll by truck class modes (light-heavy duty non-toll/toll; medium-heavy duty non-toll/toll; and heavy-heavy duty non-toll/toll) in one combined procedure.

The highway assignment model works by finding roads that provide the shortest travel impedance between each zone pair. Trips between zone pairs are then accumulated on road segments making up minimum paths. Highway impedances consider posted speed limits, signal delays, congestion delays, and costs. The model computes congestion delays for each segment based on the ratio of the traffic volume to roadway capacity. Motorists may choose different paths during peak hours, when congestion can be heavy, and off-peak hours, when roadways are typically free flowing. For this reason, traffic is assigned separately for five time periods (as defined in the Key Modeling Units section). Vehicle trip tables for each scenario reflect increased trip-making due to population growth and variations in travel patterns due to the alternative transportation facilities/networks proposed. Customized programs process outputs from highway assignment and generate total VMTs by vehicle class, and percentage of VMTs by speed bin and by vehicle class. This information is input to the EMFAC program to generate emissions summaries.

For transit assignment, traffic assignment software assigns TAP to TAP transit trips to the network. Altogether, 75 separate transit assignments are produced for five time periods: (1) walk; (2) park & ride; (3) kiss & ride; (4) auto access; and (5) line-haul modes. These individual assignments are summed to obtain total transit ridership forecasts.

Model Inputs

The SANDAG ABM utilizes a variety of data as inputs. Besides the growth forecast inputs (used to provide existing and planned land use and demographic characteristics) there are three major inputs: (1) highway networks used to describe existing and planned roadway facilities; (2) transit networks used to describe existing and planned public transit service; and (3) an active transportation network used to describe non-motorized bicycle and pedestrian facilities.

The regionally significant projects, and the years they are expected to open to traffic for each analysis year, are documented in Tables A-6.12 through A-6.14. The design concept and scope of projects allow adequate model representation to determine intersections with regionally significant facilities, route options, travel times, transit ridership, and land use. The VMT for non-regionally significant federal projects is also accounted for in the regional emissions analysis.

Highway Networks

The regional highway networks in the Regional Plan and draft 2016 RTIP include all roads classified by local jurisdictions in their general plan circulation elements. These roads include freeways, expressways, and the Regional Arterial System (RAS). The RAS consists of all conventional state highways, prime arterials, and selected major streets. In addition, some local streets are included in the networks for connectivity between TAZs.

The route improvements and additions in the Regional Plan and 2016 RTIP are developed to provide adequate travel service that is compatible with adopted regional policies for land use and population growth. All regionally significant projects are included in the quantitative emissions analysis. These include all state highways, all proposed national highway system routes, all regionally significant arterials, and all “other principal arterials” functionally classified by the Federal Highway Administration. These include both federal and non-federal regionally significant projects.

The networks also account for programs intended to improve the operation of the highway system, including HOV lanes, Managed Lanes, and ramp metering. Existing and proposed toll facilities also are modeled to reflect time, cost, and capacity effects of these facilities. State Route (SR) 125 South, SR 11, SR 241, and additional lanes on Interstate 15 (I-15) north of SR 78, and additional lanes on I-5 north of Vandegrift Boulevard, are modeled toll facilities included in the Revenue Constrained Plan for the San Diego region.

In addition, several Managed/HOV lanes are included in the Revenue Constrained Plan (Table A-6.12). Facilities with proposed Managed Lanes include Interstate 5 (I-5), I-15, I-805, SR 52, SR 54, SR 78, SR 94, and SR 125. Managed Lanes are defined as reversible HOV routes and HOV routes with two or more lanes in the peak direction. Additionally, one-lane HOV facilities that operate as two-person carpool lanes in the earlier years of the Regional Plan transition to Managed Lanes by 2035. It is assumed that the excess capacity not utilized by carpools and transit on these facilities would be managed so that single occupant vehicles could use these lanes under a pricing mechanism. Traffic flows would be managed so that the facility would operate at LOS D or better.

SANDAG maintains a master transportation network from which a specific year network, between the years 2010 and 2050, can be built. For air quality conformity analyses of the Regional Plan and 2016 RTIP, SANDAG built and verified five highway networks (2016, 2025, 2035, 2040, and 2050) from the master transportation network.

A list of the major highway and near-term regional arterial projects included in the conformity analysis, along with information on phasing for their implementation, are included in Tables A-6.12 and A-6.14. Locally funded, regionally significant projects have also been or are included in the air quality conformity analysis. These projects are funded with *TransNet* Extension funds – a 40-year, half-cent local sales tax extension approved by voters in 2004 – that expires in 2048; and other local revenue sources.

Transit Networks

SANDAG also maintains transit network datasets for existing and proposed transit systems. Most transit routes run over the same streets, freeways, HOV lanes, and ramps used in the highway networks. The only additional facilities that are added to the master transportation network for transit modeling purposes are:

- Rail lines used by commuter rail, Trolleys, Streetcars
- Streets used by buses that are not part of local general plan circulation elements

Rapid service has stop spacing similar to commuter rail stations and operating characteristics midway between rail and bus service. *Rapid* service is provided by advanced design buses operating on HOV lanes or Managed Lanes, some grade-separated transit ways, and surface streets with priority transit systems.

Bus speeds assumed in the transit networks are derived from modeled highway speeds and reflect the effects of congestion. Higher bus speeds may result for transit vehicles operating on highways with HOV lanes and HOV bypass lanes at ramp meters, compared to those routes that operate on highways where these facilities do not exist.

In addition to transit travel times, transit fares are required as input to the mode choice model. A customized procedure using the traffic assignment software replicates the San Diego region's fare policies for riders (seniors, disabled, students), which differ among:

- Local Buses, which collect a flat fare of between \$1 and \$2.50 (depending on the type of service)
- Trolleys, which charge \$2.50 for all trips
- SPRINTER, which charges \$2
- Commuter rail (COASTER), which has a zone-based fare of between \$4 and \$5.50
- Proposed regional *Rapid* routes, which are assumed to charge \$2.50 (\$5 for *Rapid* BRT)
- Proposed *Rapid* Bus routes, which are assumed to charge \$2.25

Fares are expressed in 2010 dollars and are assumed to remain constant in inflation-adjusted dollars over the forecast period.

Near-term transit route changes are drawn from the Coordinated Plan, which was produced in cooperation with the region's transit agencies. Longer range improvements are proposed as a part of the Regional Plan development and other transit corridor studies. In addition to federal and state-funded projects, locally funded transit projects that are regionally significant have been included in the air quality conformity analysis of the Regional Plan and the 2016 RTIP. Once network coding is completed, the ABM is run for the applicable scenarios (2016, 2025, 2035, 2040, and 2050). There have been no transit fares or operating policy changes since the adoption of the 2050 Regional Transportation Plan.

Active Transportation Networks

SANDAG maintains an all-street active transportation network including existing and planned bike projects to support bike project evaluation and impact analysis. Based on the proposed bike projects in the regional bikeway system developed through Riding to 2050 - San Diego Regional Bike Plan, SANDAG generates year-specific active transportation networks and uses these networks to create accessibility measures from MGRA to MGRA, and from TAZ to TAZ for walking and biking modes. These active transportation accessibility measures are inputs to the SANDAG ABM to simulate people's choice of travel mode and choice of bike routes.

The active transportation networks include five classification types for bike facilities in the regional bikeway system: (1) class I – bike path; (2) class II – bike lanes; (3) class III – bike routes; (4) class IV – bike boulevard;

and (5) class V – cycle track. Appendix U16 of San Diego Forward: The Regional Plan includes a detailed description of the bike facility classification system.

Data Sources

Besides network inputs, SANDAG relies on several survey data to estimate and calibrate the model parameters. The most important survey data is household travel survey data. The latest household travel survey conducted for SANDAG was the 2006 Household Travel Behavior Survey (TBS06). Since 1966, consistent with the state of the practice for the California Household Travel Survey, and National Household Travel Survey, SANDAG and Caltrans conduct a comprehensive travel survey of San Diego county every ten years. TBS06 surveyed 3,651 households in San Diego County. The survey asked all household members to record all trips for a specified 24-hour weekday period using a specially designed travel log.

Additional data needed for the mode choice components of the ABM come from a transit on-board survey. The most recent SANDAG survey of this kind is the 2009 Transit On-Board Survey (OBS09). OBS09 collected data on transit trip purpose, origin and destination address, access and egress mode to and from transit stops, the on/off stop for surveyed transit routes, number of transit routes used, and demographic information. The total number of OBS09 survey records is 42,854.

Population synthesis requires two types of data: (1) individual household and person census records from San Diego County; and (2) aggregate data pertaining to the socio-demographic characteristics of each zone in the region. The first type of data is available from the Public Use Micro-data Sample (PUMS), a representative sample of complete household and person records that is released with the Census and American Communities Survey. The second type of data is from the census for the base-year and from land use forecasts for future years.

Table A-6.8 lists data sources mentioned above, along with other necessary sources of data. Modeling parking location choice, and employer-reimbursement of parking cost, depends on parking survey data collected from 2010 into early 2011 as well as a parking supply inventory. The transponder ownership sub-model requires data on transponder users. Data needed for model validation and calibration include traffic counts, transit-boarding data, Census Transportation Planning Package (CTPP) data, and Caltrans Performance Measurement System (PeMS) and Highway Performance Monitoring System (HPMS) data.

Table A-6.8: ABM Input Data

SANDAG Surveys	Outside Data Sources
- Household Travel Behavior Survey (2006) - Interregional Travel Behavior Survey (2006) - Transit On-Board Survey (2009) - Parking Inventory Survey (2010) - Parking Behavior Survey (2010) - Border Crossing Survey (2011) - Visitor Survey (2011) - Special Events Survey (2011) - Commercial Vehicles Survey (2011)	- San Diego International Airport Air Passenger Survey - Traffic and Bicycle counts - Census data - Census Transportation Planning Package (CTPP) - Public Use Micro-data Sample (PUMS) - American Communities Survey (ACS) - Census Transportation Planning Package (CTPP) - Public Use Micro-data Sample (PUMS) - Transponder ownership data - Caltrans' Performance Measurement System (PeMS) - Caltrans' Highway Performance Monitoring System (HPMS)

Motor Vehicle Emissions Modeling

Emissions Model

On December 14, 2015, the U.S. EPA approved and made available EMFAC2014 for use in state implementation plan (SIP) development and transportation conformity in California. As the latest version of the model, EMFAC2014 represents ARB's current understanding of motor vehicle travel activities and their associated emission levels. EMFAC2014 v.1.0.7 was used to project the regional emissions analysis for the 2016 RTIP and Regional Plan conformity redetermination.

Using EMFAC2014 v.1.0.7, projections of daily regional emissions we prepared for reactive organic gases (ROG), nitrogen oxides (NOx), and CO.

The following process emissions are generated for each pollutant:

- All Pollutants – Running Exhaust, Idling Exhaust, Starting Exhaust, Total Exhaust
- ROG and total organic gasses – Diurnal Losses, Hot-Soak Losses, Running Losses, Resting Losses, Total Losses

EMFAC2014 models two fuels; gasoline and diesel. Fifty-one vehicle classes are modeled in EMFAC2014, including the following vehicle class categories:

- Passenger cars
- Motorcycles
- Motor homes
- Light-duty trucks
- Medium-duty trucks
- Light-heavy duty trucks
- Medium-heavy duty trucks

- Heavy-heavy duty trucks
- School buses
- Urban buses
- Motor coaches
- Other bus types

Regional Emissions Forecasts

Regional transportation forecasts were initiated in April 2016. Output from the ABM was then reformatted and adjusted to be useful for emissions modeling.

Eight-Hour Ozone Standard

Effective April 4, 2013, the U.S. EPA found the Eight-Hour Ozone budgets included in the *Redesignation Request and Maintenance Plan for the 1997 National Ozone Standard for San Diego County* adequate for transportation conformity purposes. Beginning in April 2016, SANDAG prepared countywide forecasts of average weekday ROG and NOx emissions for 2016, 2020 (interpolated), 2025, 2035, 2040, and 2050, using the EMFAC2014 v.1.0.7 model. ROG and NOx emissions are based upon the summer season.

The analysis years were selected to comply with 40 CFR 93.106(a)(1) and 93.118(a) of the Transportation Conformity Rule. According to these sections of the Conformity Rule, the first horizon year (2016) must be within ten years from the base year used to validate the regional transportation model (2012), the last horizon year must be the last year of the transportation plan's forecast period (2050), and the horizon years may be no more than ten years apart (2025, 2035, and 2040), ROG and NOx data for the year 2020 were interpolated and included to demonstrate conformity to the budgets included in the Maintenance Plan.

CO Standard

CO regional emissions were projected for 2016, 2018 (interpolated), 2025, 2035, 2040, and 2050 for the conformity determination of the draft 2016 RTIP and Regional Plan conformity redetermination. CO emissions are based upon the winter season.

Emissions Modeling Results

An emissions budget is the part of the SIP that identifies emissions levels necessary for meeting emissions reduction milestones, attainment, or maintenance demonstrations.

To determine conformity of the 2016 RTIP and redetermine conformity of the Regional Plan, the plan must comply with the emission analysis described in the Regional Emissions Forecast section. Table A-6.9 shows that the projected ROG and NOx emissions from the 2016 RTIP and Regional Plan are below the ROG and NOx budgets.

Table A-6.9: 2016 RTIP and Revenue Constrained Regional Plan Air Quality Conformity Analysis for 2008 Eight-Hour Ozone Standard

Year	Average Weekday Vehicle Starts (1,000s)	Average Weekday Vehicle Miles (1,000s)	ROG		NOx	
			SIP Emissions Budget Tons/Day	ROG Emissions Tons/Day	SIP Emissions Budget Tons/Day	NOx Emissions Tons/Day
2016	14,155	79,573	53	23	98	35
2020	15,347	84,017	23	20	38	28
2025	16,836	89,571	21	14	30	16
2035	19,239	94,331	21	11	30	11
2040	20,232	96,707	21	10	30	10
2050	21,483	99,513	21	9	30	10

Note: Emissions budgets from the Eight-Hour Ozone Attainment Plan for San Diego County, which were found adequate for transportation conformity purposes by the U.S. EPA effective June 9, 2008, are used for the 2015 analysis year. Emissions budgets from the *Redesignation Request and Maintenance Plan for the 1997 National Ozone Standard for San Diego County*, which were found adequate for transportation conformity purposes by the U.S. EPA, effective April 4, 2013, are used for all other analysis years.

Table A-6.10 shows that projected CO emissions from the 2016 RTIP and Regional Plan are below the 2003 CO budget of 730 tons per day.

Table A-6.10: 2016 RTIP and Revenue Constrained Regional Plan Air Quality Conformity Analysis for Carbon Monoxide Standard

Year	Average Weekday Vehicle Starts (1,000s)	Average Weekday Vehicle Miles (1,000s)	CO	
			SIP Emissions Budget Tons/Day	CO Emissions Tons/Day
2016	14,155	79,573	730	179
2018	14,751	81,795	730	161
2025	16,836	89,571	730	98
2035	19,239	94,331	730	74
2040	20,232	96,707	730	70
2050	21,483	99,513	730	69

Note: Emissions budgets for the San Diego region from 2004 Revision to California State Implementation Plan for Carbon Monoxide, Updated Maintenance Plan for Ten Federal Planning Areas (Approved as SIP revision in January 2006) were used.

Exempt Projects

Section 93.126 of the Transportation Conformity Rule exempts certain highway and transit projects from the requirement to determine conformity. The categories of exempt projects include safety, mass transit, air quality (ridesharing and bicycle, and pedestrian facilities), and other (such as planning studies).

Table A-6.11 illustrates the exempt projects considered in the draft 2016 RTIP and Revenue Constrained Regional Plan. This table shows short-term exempt projects. Additional unidentified projects could be funded with revenues expected to be available from the continuation of existing state and federal programs.

Table A-6.11: Exempt Projects

Project/Program Description	Project/Program Description
<i>Bikeway, Rail Trail, and Pedestrian Projects</i>	
Bayshore Bikeway	Maple Street Pedestrian Plaza
Bay-to-Ranch Bikeway	Mid-County Bikeway
Border Access Bicycle Corridor	Mira Mesa Bicycle Corridor
Camp Pendleton Trail	Mission Valley – Chula Vista Bicycle Corridor
Carlsbad – San Marcos Bicycle Corridor	National City – Highland Avenue Community Corridor
Central Coast Bicycle Corridor	North Park – Centre City Bicycle Corridor
Chula Vista Greenbelt	Oceanside – Bicycle Master Plan
City Heights – Old Town Bicycle Corridor	Otay Mesa Port of Entry Pedestrian/Bicycle Facilities
Clairemont – Centre City Bicycle Corridor	Park Boulevard Bicycle Connector
Coastal Rail Trail	Poway Bicycle Loop
East County Northern Bicycle Loop	San Diego Regional Bicycle Plan
East County Southern Bicycle Loop	San Diego River Multi-Use Bicycle and Pedestrian Path
El Camino Real Bicycle Corridor	San Luis Rey River Trail
Encinitas – San Marcos Bicycle Corridor	Santee – El Cajon Bicycle Corridor
Escondido Creek Bike Path Bridge and Bikeway	SR 52 Bikeway
Gilman Bicycle Connector	SR 56 Bikeway
Hillcrest – El Cajon Bicycle Corridor	SR 56/Black Mountain Road Bikeway Interchange
Imperial Beach Bicycle Connector	SR 125 Bicycle Corridor
Inland Rail Trail	SR 905 Bicycle Corridor
Interstate 8 Bicycle Corridor	Sweetwater River Trail
SR 15 Bikeway	Tecate International Border Crossing Pedestrian Facilities
Interstate 805 Bicycle Corridor	Ted Williams Parkway Pedestrian Bridge at Shoal Creek
Kearny Mesa – Beaches Bicycle Corridor	Third Avenue Bicycle and Pedestrian Access
Kensington – Balboa Park Bicycle Corridor	Vista Way Bicycle Connector
	West Bernardo Bike Path

Project/Program Description	Project/Program Description
<i>Safety Improvement Program</i>	<i>Transportation Systems Management</i>
Bridge Rehabilitation/ Preservation/Retrofit	Traveler Information System
Collision Reduction	Bus on Shoulder Service
Emergency Response	Compass Card
Hazard Elimination/Safe Routes to School	<i>FasTrak®</i>
Highway Maintenance	Freeway Service Patrol
Safety Improvement Program	Vehicle Automation
Roadway/Roadside Preservation	Regional Vanpool Program
Smart Growth Incentive Program	Multimodal Integration and Performance-Based Management
Safe Routes to Transit	Intelligent Transportation System for Transit
Safe Routes to School	ITS Operations
Transit Terminals	Joint Transportation Operations Center
Airport Intermodal Transit Center/Terminal	Trolley Fiber Communication Network
San Ysidro Intermodal Transit Center/Terminal	Electronic Payment Systems and Universal Transportation Account
	Various Traffic Signal Optimization/Prioritization
	Transit Infrastructure Electrification
	Employer Services and Outreach
	Commuter Services and Bike Program
	Mobility Hubs
	Active Traffic and Demand Management
	Shared Mobility Services

Implementation of Transportation Control Measures

There are four federally approved Transportation Control Measures (TCMs) that must be implemented in San Diego, which the SIP refers to as transportation tactics. They include: (1) ridesharing; (2) transit improvements; (3) traffic flow improvements; and (4) bicycle facilities and programs.

These TCMs were established in the 1982 SIP, which identified general objectives and implementing actions for each tactic. The TCMs have been fully implemented. Ridesharing, transit, bicycling, and traffic flow improvements continue to be funded, although the level of implementation established in the SIP has been surpassed.

Interagency Consultation Process and Public Input

The consultation process followed to prepare the Air Quality Conformity Analysis for the 2016 RTIP and Regional Plan complies with the San Diego Transportation Conformity Procedures adopted in July 1998. In turn, these procedures comply with federal requirements under 40 CFR 93. Interagency consultation involves SANDAG (as the MPO for San Diego County), the APCD, Caltrans, CARB, U.S. DOT, and U.S. EPA.

Consultation is a three-tier process that:

1. Formulates and reviews drafts through a conformity working group.
2. Provides local agencies and the public with opportunities for input through existing regional advisory committees and workshops.
3. Seeks comments from affected federal and state agencies through participation in the development of draft documents and circulation of supporting materials prior to formal adoption.

SANDAG consulted on the development of the Air Quality Conformity Analysis of the 2016 RTIP and Regional Plan at meetings of the San Diego Region CWG, as follows:

- On January 6, 2016, SANDAG staff presented the schedule for the preparation of the 2016 RTIP and its air quality conformity analysis. Staff confirmed that a redetermination of conformity would be done for the Regional Plan, in conjunction with the 2016 RTIP for consistency purposes.
- On March 2, 2016, SANDAG staff presented information about the criteria and procedures to be followed for its conformity analysis. Staff presented information on the 2050 Regional Growth Forecast, Travel Demand Model, Transportation Control Measures, the Revenue Constrained financial assumptions, latest emissions model and emissions budgets, and public involvement and outreach.
- On March 30, 2016, SANDAG staff distributed the draft list of capacity increasing and non-capacity increasing projects to be included in the 2016 RTIP for interagency consultation. The project lists were discussed at the April 6, 2016, CWG meeting.
- On May 13, 2016, SANDAG released the draft air quality conformity analysis of the draft 2016 RTIP and Regional Plan to the CWG for a 30-day review-and-comment period. The draft air quality analysis was discussed at the June 1, 2016, meeting of the CWG. The draft 2016 RTIP was presented to the *TransNet* Independent Taxpayer Oversight Committee on July 13, 2016 for input.
- On July 15, 2016, the SANDAG Transportation Committee recommended that the Board of Directors release the draft 2016 RTIP and its conformity determination and the Regional Plan conformity redetermination for a 30-day public review period.
- On July 22, 2016, the Board of Directors released the draft 2016 RTIP and its conformity determination and the Regional Plan conformity redetermination for public comment. A public hearing was scheduled for the September 2, 2016, Transportation Committee meeting to discuss the Final 2016 RTIP and its conformity determination and the Regional Plan conformity redetermination.

- On September 2, 2016, the SANDAG Transportation Committee held a public hearing and recommended that the Board of Directors adopt the Final 2016 RTIP and its conformity determination and the Regional Plan conformity redetermination.
- On September 23, 2016, the SANDAG Board of Directors adopted the Final 2016 RTIP and its conformity determination and the Regional Plan conformity redetermination.

Members of the public are welcomed to provide comments at meetings of the CWG, the Transportation Committee, and the SANDAG Board of Directors.

Table A-6.12: Phased Highway Projects⁴ – 2016 Regional Transportation Improvement Program

Conformity Analysis Year	Freeway	From	To	Existing	With Improvements	Capital Cost (\$2014); millions	Capital Cost (\$YOE); millions
<i>Managed Lanes / Toll Lanes</i>							
2016	SR 11 /Otay Mesa East Port of Entry (POE)	SR 11/SR 905	Enrico Fermi	--	4T	\$108	\$108
2016	I-805	SR 52	Carroll Canyon Rd	8F	8F+2ML	\$255	\$255
2025	I-5	La Jolla Village Dr	I-5/805 Merge	8F/14F	8F/14F+2ML	\$206	\$249
2025	I-5	SR 78	Vandegrift Blvd	8F	8F+2ML	\$76	\$100
2025	I-5	Manchester Ave	SR 78	8F	8F+2ML	\$701	\$789
2025	SR 11 /Otay Mesa East Port of Entry (POE)	Enrico Fermi	Mexico	--	4T + POE	\$596	\$596
2025	I-15	I-8	SR 163	8F	8F+2ML	\$56	\$73
2025	SR 78	I-5	College Blvd	6F	6F+2ML	\$227	\$299
2025	SR 78	Twin Oaks	I-15	6F	6F+2ML	\$177	\$232
2025	SR 94	I-5	I-805	8F	8F+2ML	\$535	\$703
2025	SR 241	Orange County	I-5	--	4T	\$416	\$503
2025	I-805	SR 94	SR 15	8F	8F+2ML	\$172	\$226
2035	I-5	I-5/I-805 Merge	SR 56	8F/14F +2ML	8F/14F+4ML	\$91	\$137
2035	I-5	Manchester Ave	SR 78	8F+2ML	8F+4ML	\$1,076	\$1,863
2035	I-5	SR 905	SR 54	8F	8F +2ML	\$308	\$416
2035	I-5	SR 54	SR 15	8F	10F+2ML	\$343	\$464
2035	I-5	SR 56	Manchester Ave	8F+2ML	8F+4ML	\$455	\$686
2035	SR 15	SR 94	I-805	6F	6F+2ML	\$30	\$52
2035	SR 78	College Blvd	Twin Oaks	6F	6F+2ML	\$788	\$1,189

Table A-6.12 (continued)

Phased Highway Projects – 2016 Regional Transportation Improvement Program

Conformity Analysis Year	Freeway	From	To	Existing	With Improvements	Capital Cost (\$2014); millions	Capital Cost (\$YOE); millions
<i>Managed Lanes / Toll Lanes (continued)</i>							
2035	SR 241	Orange County	I-5	4T	6T	\$63	\$95
2035	I-805	SR 52	Carroll Canyon Rd	8F+2ML	8F+4ML	\$394	\$562
2035	I-805	SR 54	SR 94	8F +2ML	8F+4ML	\$704	\$1,096
2035	I-805	SR 163	SR 52	8F	8F+2ML	\$229	\$346
2035	I-805	SR 905	Palomar St	8F	8F+2ML	\$343	\$595
2040	I-5	SR 78	Vandegrift Blvd	8F+2ML	8F+4ML	\$606	\$1,205
2040	SR 52	I-805	I-15	6F	6F+2ML	\$91	\$181
2040	SR 125	SR 94	I-8	8F	8F+2ML	\$66	\$131
2040	I-805	SR 15	SR 163	8F/10F	8F/10F+4ML	\$1,152	\$2,292
2040	I-805	SR 94	SR 15	8F+2ML	8F+4ML	\$61	\$121
2040	I-805	SR 163	SR 52	8F+2ML	8F+4ML	\$322	\$640
2050	I-5	I-8	La Jolla Village Dr	8F/10F	8F/10F+2ML	\$556	\$1,378
2050	I-5	Vandegrift Blvd	Orange County	8F	8F+4T	\$1,812	\$4,496
2050	I-15	SR 78	Riverside County	8F	8F+4T	\$1,029	\$2,554
2050	I-15	Viaduct		8F	8F+2ML	\$842	\$2,092
2050	SR 15	I-5	SR 94	6F	8F+2ML	\$136	\$338
2050	SR 52	I-15	SR 125	4F/6F	4F/6F+2ML R)	\$298	\$662
2050	SR 54	I-5	SR 125	6F	6F+2ML	\$111	\$276
2050	SR 94	I-805	SR 125	8F	8F+2ML	\$369	\$775
2050	SR 125	SR 54	SR 94	6F	6F+2ML	\$76	\$188
2050	SR 125	SR 94	I-8	8F+2ML	10F+2ML	\$227	\$564
<i>Highway Projects</i>							
2025	SR 67	Mapleview St	Gold Bar Ln	2C	4C	\$60	\$79
2025	SR 76	Mission	I-15	2C	4C	\$305	\$305
2035	SR 52	Mast Blvd	SR 125	4F	6F	\$76	\$131
2040	SR 67	Gold Bar Ln	Scripps Poway	2C/4C	4C	\$180	\$357

Table A-6.12 (continued)

Phased Highway Projects – 2016 Regional Transportation Improvement Program

Conformity Analysis Year	Freeway	From	To	Existing	With Improvements	Capital Cost (\$2014); millions	Capital Cost (\$YOE); millions
Highway Projects (continued)							
2040	SR 94	SR 125	Avocado Blvd	4F	6F	\$111	\$221
2050	I-8	2nd St	Los Coches	4F/6F	6F	\$35	\$88
2050	SR 52	I-5	I-805	4F	6F	\$111	\$276
2050	SR 56	I-5	I-15	4F	6F	\$141	\$351
2050	SR 94	Avocado Blvd	Jamacha	4C	6C	\$91	\$225
2050	SR 94	Jamacha	Steele Canyon Rd	2C/4C	4C	\$40	\$100
2050	SR 125	San Miguel Rd	SR 54	4F	8F	\$177	\$438
2050	SR 125	SR 905	San Miguel Rd	4T	8F	\$323	\$661
2050	SR 67	Scripps Poway	Dye Rd	2C/4C	4C	\$396	\$982
Operational Projects							
2040	SR 76	I-15	Couser Canyon	2C/4C	4C/6C+ Operational	\$131	\$261
2050	I-5	I-15	I-8	8F	8F+ Operational	\$1,177	\$2,919
2050	I-8	I-5	SR 125	8F/10F	8F/10F+ Operational	\$667	\$1,654
Conformity Analysis Year	Freeway	From	To			Capital Cost (\$2014); millions	Capital Cost (\$YOE): millions
Managed Lanes Connectors							
2025	I-5	SR 78	South to East & West to North, North to East and West to South			\$253	\$332
2025	I-5	I-805	North to North & South to South			\$51	\$66
2025	I-15	SR 78	East to South & North to West			\$106	\$139
2025	SR 15	I-805	North to North & South to South			\$81	\$106
2025	I-805	SR 94	North to West & East to South			\$101	\$133
2035	SR 15	SR 94	South to West & East to North			\$71	\$122
2040	I-805	SR 52	West to North & South to East			\$91	\$181
2050	I-15	SR 52	West to North & South to East			\$130	\$326

Table A-6.12 (continued)

Phased Highway Projects –2016 Regional Transportation Improvement Program

Conformity Analysis Year	Freeway	From	To	Capital Cost (\$2014); millions	Capital Cost (\$YOE); millions
<i>Freeway Connectors</i>					
2016	SR 905	11/SR 125	EB SR 905 and WB SR 11 to NB SR 125, NB SR 905 to NB SR 125	\$26	\$28
2025	I-5	SR 78	South to East & West to South	\$273	\$358
2025	SR 11/SR 905	SR 125	SB 125 to WB SR 905, SB SR 125 to EB SR 11, SB SR 125 to SB SR 905	\$74	\$90
2025	SR 94	SR 125	South to East	\$69	\$88
2035	I-5	SR 56	West to North & South to East	\$273	\$411
2035	SR 94	SR 125	West to North	\$81	\$122
2050	I-15	SR 56	North to West	\$101	\$265

Table A-6.13: Phased Transit Services⁵ - 2016 Regional Transportation Improvement Program

Conformity Analysis Year	Service	Route	Description	Capital Cost (\$2014); millions	Capital Cost (\$YOE); millions
2025	COASTER	398	Double tracking (20-minute peak frequencies and 120-minute off-peak frequencies and station/platform at Del Mar Fairgrounds)	\$445	\$445
2025	SPRINTER	399	SPRINTER efficiency improvements (20-minute frequencies by 2025); double tracking Oceanside to Escondido for 10-minute frequencies and six rail grade separations at El Camino Real, Melrose Dr, Vista Village Dr/ Main St, North Dr, Civic Center, Auto Pkwy and Mission Ave	\$946	\$1339
2025	Trolley	510	Mid-Coast Trolley Extension	\$1,753	\$1,753
2025	<i>Rapid</i>	2	North Park to downtown San Diego via 30th St	\$39	\$52
2025	<i>Rapid</i>	10	La Mesa to Ocean Beach via Mid-City, Hillcrest, Old Town	\$87	\$117
2025	<i>Rapid</i>	120	Kearny Mesa to downtown via Mission Valley	\$78	\$104
2025	<i>Rapid</i>	SR 163 DARS	Kearny Mesa to downtown via SR 163. Stations at Sharp/Children's Hospital, University Ave, and Fashion Valley Transit Center	\$150	\$196
2025	<i>Rapid</i>	550	SDSU to Palomar Station via East San Diego, Southeast San Diego, National City	\$59	\$78
2025	<i>Rapid</i>	225	South Bay <i>Rapid</i> (Otay Mesa to downtown) and Otay Mesa ITC (formerly Route 628)	\$206	\$206
2025	<i>Rapid</i>	709	H St Trolley Station to Millennia via H St Corridor, Southwestern College	\$37	\$49
2025	<i>Rapid</i>	905	Extension of Iris Trolley Station to Otay Mesa Port of Entry (POE) route with new service to Otay Mesa East POE and Imperial Beach	\$2	\$2
2025	Streetcar	554	Hillcrest/Balboa Park/downtown San Diego Loop ¹	\$29	\$38
2025	Airport Express	--	Airport Express Routes ²	\$52	\$62
2025	Shuttle	448/449	San Marcos Shuttle ³	\$0	\$0
2025	Transit Lanes	SR 15 from I-805 to I-8	Transit Lane improvement for routes 235, 280/290, 653, and Airport Express Route to Tijuana International Airport. Existing facility at 8F, with improvement of 8F+2TL	\$56	\$56
2025			Local Bus Routes - 15 minutes in key corridors	--	--

Table A-6.13 (continued)

Phased Transit Services - 2016 Regional Transportation Improvement Program

Conformity Analysis Year	Service	Route	Description	Capital Cost (\$2014); millions	Capital Cost (\$YOE); millions
2035	COASTER	398	Double tracking (20-minute peak frequencies and 60-minute off-peak frequencies, grade separations at Leucadia Blvd, stations/platforms at Convention Center/Gaslamp Quarter, and extension to Camp Pendleton)	\$900	\$1,357
2035	Trolley	510	Phase I - Blue Line Frequency Enhancements and rail grade separations at 28th St, 32nd St, E St, H St, Palomar St, and Blue/Orange Track Connection at 12th/Imperial	\$205	\$292
2035	Trolley	520	Orange Line Frequency Enhancements and four rail grade separations at Euclid Ave, Broadway/Lemon Grove Ave, Allison Ave/University Ave, Severin Dr	\$267	\$402
2035	Trolley	561	UTC to COASTER Connection (extension of Route 510)	\$343	\$602
2035	Trolley	562	Phase I - San Ysidro to Kearny Mesa via Chula Vista via Highland Ave/4th Ave, National City, Southeast San Diego, Mid-City, and Mission Valley	\$2,333	\$4,028
2035	<i>Rapid</i>	11	Spring Valley to SDSU via Southeast San Diego, downtown, Hillcrest, Mid-City	\$113	\$173
2035	<i>Rapid</i>	28	Point Loma to Kearny Mesa via Old Town, Linda Vista	\$49	\$76
2035	<i>Rapid</i>	30	Old Town to Sorrento Mesa via Pacific Beach, La Jolla, UTC	\$105	\$161
2035	<i>Rapid</i>	41	Fashion Valley to UTC/UC San Diego via Linda Vista and Clairemont	\$55	\$96
2035	<i>Rapid</i>	90	El Cajon Transit Center to San Diego International Airport ITC via SR 94, City College (peak only)	\$20	\$27
2035	<i>Rapid</i>	473	Phase I – Solana Beach to UTC/UC San Diego via Hwy 101 Coastal Communities, Carmel Valley	\$43	\$66
2035	<i>Rapid</i>	635	Eastlake to Palomar Trolley via Main St Corridor	\$56	\$98
2035	<i>Rapid</i>	638	Iris Trolley Station to Otay Mesa via Otay, Airway Dr, SR 905 Corridor	\$38	\$67
2035	<i>Rapid</i>	640A/640B	Route 640A: I-5 - San Ysidro to Old Town Transit Center via City College 640B: I-5 Iris Trolley/Palomar to Kearny Mesa via Chula Vista, National City and City College	\$153	\$206

Table A-6.13 (continued)

Phased Transit Services - 2016 Regional Transportation Improvement Program

Conformity Analysis Year	Service	Route	Description	Capital Cost (\$2014); millions	Capital Cost (\$YOE); millions
2035	<i>Rapid</i>	688/689/ 690	Route 688: San Ysidro to Sorrento Mesa via I-805/I-15/ SR-52 Corridors (Peak Only) Route 689: Otay Mesa Port of Entry (POE) to UTC/Torrey Pines via Otay Ranch/ Millennia, I-805 Corridor (Peak Only) Route 690: Mid-City to Sorrento Mesa via I-805 Corridor (Peak Only)	\$458	\$653
2035	<i>Rapid</i>	910	Coronado to Downtown via Coronado Bridge	\$26	\$39
2035	Streetcar	553	Downtown San Diego: Little Italy to East Village ¹	\$14	\$21
2035	Streetcar	555	30th St to Downtown San Diego via North Park/Golden Hill ¹	\$26	\$45
2035			Local Bus Routes - 10 minutes in key corridors	--	--
2040	SPRINTER	588	SPRINTER Express	\$244	\$492
2040	Trolley	510	Phase II - Blue Line rail grade separations at Taylor St and Ash St	\$226	\$449
2040	Trolley	563	Pacific Beach to Balboa and Grossmont to Kearny Mesa	\$610	\$1,229
2040	<i>Rapid</i>	103	Solana Beach to Sabre Springs <i>Rapid</i> station via Carmel Valley	\$67	\$135
2040	<i>Rapid</i>	440	Carlsbad to Escondido Transit Center via Palomar Airport Rd	\$51	\$104
2040	<i>Rapid</i>	473	Phase II - Oceanside to Solana Beach via Hwy 101 Coastal Communities	\$87	\$176
2040	<i>Rapid</i>	477	Camp Pendleton to Carlsbad Village via College Blvd, Plaza Camino Real	\$80	\$161
2040	<i>Rapid</i>	235	Temecula (peak only) Extension of Escondido to Downtown <i>Rapid</i> (formerly Route 610)	\$98	\$198
2040	<i>Rapid</i>	636	SDSU to Spring Valley via East San Diego, Lemon Grove, Skyline	\$39	\$79
2040	<i>Rapid</i>	637	North Park to 32nd St Trolley Station via Golden Hill	\$33	\$66
2040	<i>Rapid</i>	650	Chula Vista to Palomar Airport Rd Business Park via I- 805/I-5 (peak only)	\$82	\$166
2040	<i>Rapid</i>	653	Mid-City to Palomar Airport Rd via Kearny Mesa/I-805/I- 5	\$10	\$21

Table A-6.13 (continued)

Phased Transit Services - 2016 Regional Transportation Improvement Program

Conformity Analysis Year	Service	Route	Description	Capital Cost (\$2014); millions	Capital Cost (\$YOE); millions
2040	Streetcar	565	Mission Beach to La Jolla via Pacific Beach	\$25	\$50
2050	COASTER	398	COASTER double tracking (completes double tracking; includes Del Mar Tunnel) and grade separations	\$1,365	\$3,372
2050	SPRINTER	399	Branch Extension to Westfield North County	\$176	\$437
2050	Trolley	530	Green Line Frequency Enhancements	\$0	\$0
2050	Trolley	560	SDSU to Downtown via El Cajon Blvd/Mid-City (transition of Mid-City <i>Rapid</i> to Trolley)	\$2,390	\$5,005
2050	Trolley	562	Phase II - Kearny Mesa to Carmel Valley	\$633	\$1,443
2050	Trolley	563	Phase II - Balboa to Kearny Mesa	\$689	\$1,708
2050	<i>Rapid</i>	471	Downtown Escondido to East Escondido	\$32	\$80
2050	<i>Rapid</i>	474	Oceanside to Vista via Mission Ave/Santa Fe Rd Corridor	\$50	\$127
2050	<i>Rapid</i>	870	El Cajon to UTC via Santee, SR 52, I-805	\$7	\$17
2050	<i>Rapid</i>	890	El Cajon to Sorrento Mesa via SR 52, Kearny Mesa	\$12	\$29

Notes: ¹ Streetcar cost is representative of 10 percent of the total capital cost.

² Implementation of these services is dependent upon funding from aviation and other private sources.

³ Capital cost to be funded by the City of San Marcos.

Table A-6.14: Phased Arterial Projects* - 2016 Regional Transportation Improvement Program

Conformity Analysis Year	SANDAG ID	Lead Agency	Project Title	Project Description
2016	CB04A	Carlsbad	El Camino Real Widening - Tamarack Ave to Chestnut Ave	In Carlsbad, widen El Camino Real to prime arterial standards with three travel lanes, bike lanes, and sidewalks in each direction including intersection improvements at Tamarack Avenue and Chestnut Avenue
2016	CB04C	Carlsbad	El Camino Real - Lisa St to Crestview Dr	In Carlsbad, along the west side of El Camino Real, roadway widening to provide three southbound through lanes, curb, gutter, and sidewalk per prime arterial standards
2016	CB30	Carlsbad	El Camino Real – El Camino Real to Tamarack Ave	In Carlsbad, at the intersection of El Camino Real and Tamarack Avenue, construct a second left turn lane from El Camino Real to westbound Tamarack
2016	CB38	Carlsbad	El Camino Real – Cannon Rd to Tamarack Ave	El Camino Real from Cannon Road to Tamarack, widen along both sides of El Camino Real from Cannon Road to Tamarack Avenue excluding the limits of project CB04C, to provide a raised median, three travel lanes, bike lane, curb, gutter, and walkway along both sides per prime arterial standards, and a new traffic signal at Lisa Street
2016	CNTY36	San Diego County	San Vicente Rd Improvements	From Warnock Drive to Wildcat Canyon Road - in Ramona, design and reconstruct road improvements, including 2-lane community collector road with intermittent turn lanes, bike lanes, asphalt concrete dike, and pathway/walkway
2016	CNTY39	San Diego County	Bear Valley Pkwy North	From San Pasqual Valley Road to Boyle Avenue - widen from 2 to 4 lanes, with a center median, a bike lane and shoulder in each direction of travel
2016	SD32	San Diego	Carroll Canyon Rd	Carroll Canyon Road from Scranton Road to I-805: extend Carroll Canyon under I-805 including improvements to on/off ramps
2016	SD90	San Diego	SR 163/Clairemont Mesa Blvd Interchange	From Kearny Villa Road to Kearny Mesa - in San Diego, widen from 4- to 6-lane prime arterial; Phase II of the project - west ramps
2025	CB04B	Carlsbad	El Camino Real and Cannon Rd	In Carlsbad, along the eastside of El Camino Real just south of Cannon Road, widen to prime arterial standards with three through lanes, a right turn lane, and a sidewalk approaching the intersection
2025	CB13	Carlsbad	Poinsettia Ln Reach E - Cassia Dr to Skimmer Ct	In Carlsbad, from Cassia Drive to Skimmer Court, construct a new 4-lane roadway with median, bike lanes, and sidewalks/trails to major arterial standards

Table A-6.14 (continued)

Phased Arterial Projects - 2016 Regional Transportation Improvement Program

Conformity Analysis Year	SANDAG ID	Lead Agency	Project Title	Project Description
2025	CB22	Carlsbad	Avenida Encinas, widen from Palomar Airport Rd to EWPCF	In Carlsbad, Avenida Encinas from Palomar Airport Road southerly to existing improvements adjacent to the Embarcadero Lane, roadway widening to secondary arterial standards
2025	CB31	Carlsbad	El Camino Real – La Costa Ave to Arenal Rd	In Carlsbad, along El Camino Real from 700 feet north of La Costa Avenue to Arenal Road, widening along the southbound side of the roadway to provide three travel lanes and a bike lane in accordance with prime arterial standards
2025	CB32	Carlsbad	El Camino Real Widening - Cassia to Camino Vida Roble	In Carlsbad, widen El Camino Real from 900 feet north of Cassia Road to Camino Vida Roble, along the northbound side of the roadway to provide three travel lanes and a bike lane in accordance with prime arterial standards
2025	CB34	Carlsbad	Palomar Airport Rd - Palomar Airport Rd to Paseo Del Norte	In Carlsbad, widening along eastbound Palomar Airport Road to provide a dedicated right turn lane to southbound Paseo Del Norte
2025	CB35	Carlsbad	Palomar Airport Rd - Palomar Airport Rd to Paseo Del Norte	In Carlsbad, lengthen the left turn pocket along eastbound Palomar Airport Road to northbound Paseo Del Norte
2025	CHV08	Chula Vista	Willow St Bridge Project - Bonita Rd to Sweetwater Rd	Replace 2-lane bridge with 4-lane bridge (Phase II)
2025	CHV69	Chula Vista	Heritage Rd Bridge	Heritage Road from Main Street/Nirvana Avenue to Entertainment Circle, widen and lengthen bridge over Otay River from 4-lane to 6-lane bridge that accommodates shoulders, sidewalk, and medial; project is on Heritage Road from the intersection of Main Street and Nirvana Avenue to Entertainment Circle
2025	CNTY14A	San Diego County	South Santa Fe Ave South	South Santa Fe from 700 feet south of Woodland Drive to Smilax Road, widening of South Santa Fe Avenue to a 5-lane major road with a center left turn lane, curb, gutter, sidewalk, bike lanes, and drainage improvements from 700 feet south of Woodland Drive to Smilax Road
2025	CNTY21	San Diego County	Bradley Ave Overpass at SR 67	Widen Bradley Avenue from Magnolia Avenue to Mollison Avenue; widen from 2 lanes to 4 lanes plus sidewalks. Replace 2-lane bridge over SR 67 with a 6-lane bridge which accommodates turn pockets.

Table A-6.14 (continued)

Phased Arterial Projects - 2016 Regional Transportation Improvement Program

Conformity Analysis Year	SANDAG ID	Lead Agency	Project Title	Project Description
2025	CNTY24	San Diego County	Cole Grade Rd	Cole Grade Road from north of Horse Creek Trail to south of Pauma Heights Road, widen to accommodate 14-foot traffic lane in both directions, 12-foot center 2-way left turn, 6-foot bike lane and 10-foot pathway
2025	CNTY34	San Diego County	Dye Rd Extension	Dye Road to San Vicente Road - in Ramona, study, design, and construct a 2-lane community collector road with intermittent turn lanes, bike lanes, curb, gutter, and pathway/walkway
2025	CNTY35	San Diego County	Ramona St Extension	From Boundary Avenue to Warnock Drive - in the community of Ramona, construct new road extension, 2 lanes with intermittent turn lanes, bike lanes, and walkway/pathway
2025	CNTY82	San Diego County	Alpine Blvd Streetscape Improvements	From Tavern Road to South Grade Road – in unincorporated community of Alpine, widen from 2-lane to 3-lane roadway including a median turn-lane with bicycle, parking, and pedestrian improvements
2025	CNTY83	San Diego County	SR67/Highland/Dye Intersection	From SR 67 to 1,000 feet SE of SR 67 – in Ramona, intersection widening (double left turn lanes on Dye/Highland and double through lanes with dedicated right turn lanes on SR 67), signal modification with bicycle and pedestrian improvements, and associated improvements
2025	CNTY88	San Diego County	Ashwood Street Corridor Improvements – Mapleview to Willow	Ashwood Street/Wildcat Canyon Road from Mapleview Street to 1100 feet north of Willow Road in Lakeside-traffic signal improvements at Mapleview and Ashwood; traffic signal installation at Willow and Ashwood/Wildcat Canyon; and the addition of turn lanes, addition of a passing lane in a non-urbanized area, bike lanes, and pedestrian facilities
2025	ESC02A	Escondido	East Valley/Valley Center	Widen roadway from 4 to 6 lanes with raised medians and left turn pockets; modify signal at Lake Wohlford and Valley Center Road; widen bridge over Escondido Creek
2025	ESC04	Escondido	Citracado Pkwy II	West Valley to Harmony Grove, widen from 2 to 4 lanes with raised medians; construct bridge over Escondido Creek
2025	ESC06	Escondido	El Norte Pkwy Bridge at Escondido Creek - Kaile Ln to Key Lime Way	Construct missing 2-lane bridge at Escondido Creek

Table A-6.14 (continued)

Phased Arterial Projects - 2016 Regional Transportation Improvement Program

Conformity Analysis Year	SANDAG ID	Lead Agency	Project Title	Project Description
2025	ESC08	Escondido	Felicita Ave/Juniper St - from Escondido Blvd to Juniper St and from Juniper St to Chestnut St	Widen from 2 to 4 lanes with left turn pockets, raised medians on Felicita; new traffic signals at Juniper and Chestnut, Juniper, and 13th Avenue, Juniper and 15th Avenue; modify traffic signal at Juniper and Felicita
2025	ESC09	Escondido	Ninth Ave – La Terraza Blvd to Spruce St	Widen from 2 to 4 lanes with raised median and modify traffic signals at Ninth Avenue and Tulip Street - design phase
2025	ESC24	Escondido	Centre City Pkwy	Mission Road to SR 78, widen 4 lanes to 6 lanes with intersection improvements
2025	LG13	Lemon Grove	Lemon Grove Ave Realignment Project	Lemon Grove Avenue at SR 94 - a key project in the redevelopment of the city's downtown Village Specific Plan, this project will realign Lemon Grove Avenue at SR 94 adding traffic lanes and improving access to and from SR 94, reducing motorist delays and emissions
2025	NC01	National City	Plaza Blvd Widening	Plaza Boulevard from Highland Avenue to Euclid Avenue, widen from 2 to 3 lanes including a new traffic lane in each direction, new sidewalks, sidewalk widening, traffic signal upgrades, and interconnection at Plaza Boulevard
2025	O06	Oceanside	Melrose Dr Extension	Melrose Drive from North Santa Fe Avenue to Spur Avenue - in Oceanside, future construction of Melrose Drive; 4-lane arterial highway with medians, sidewalks, and bike lanes between North Santa Fe Avenue and Spur Avenue
2025	O22	Oceanside	College Blvd - Vista Way to Old Grove Rd	In Oceanside, widen from the existing 4 lanes to 6 lanes with bike lanes and raised median
2025	SD34	San Diego	El Camino Real	In San Diego on El Camino Real from San Dieguito Road to Via de la Valle, reconstruct and widen from 2 to 4 lanes and extend transition lane and additional grading to avoid biological impacts (CIP 52-479.0)
2025	SD70	San Diego	West Mission Bay Dr Bridge	In San Diego, replace bridge and increase from 4- to 6-lane bridge including Class II bike lane (52-643/S00871)
2025	SD83	San Diego	SR 163/Friars Rd Interchange Modification	Friars Road from Avenida de las Tiendas to Mission Center Road, widen and improve Friars Road and overcrossing; reconstruct interchange including improvements to ramp intersections (Phase I). Construct new connector roadways and structures (Phase II). Construct auxiliary lanes along northbound and southbound SR 163 (Phase III).

Table A-6.14 (continued)

Phased Arterial Projects -2016 Regional Transportation Improvement Program

Conformity Analysis Year	SANDAG ID	Lead Agency	Project Title	Project Description
2025	SD102A	San Diego	Otay Truck Route Widening	On Otay Truck Route in San Diego from Drucker Lane to La Media, add one lane (total 3 lanes) for trucks; from Britannia to La Media, add one lane for trucks and one lane for emergency vehicles (border patrol/fire department access); along Britannia from Britannia Court to the Otay Truck Route - add one lane for trucks
2025	SD103	San Diego	I-5/Genesee Ave Interchange	In San Diego, replace Genesee Avenue over-crossing from 4-lane bridge with 6-lane bridge; construct auxiliary lanes and replace Voigt Drive bridge; add additional lane at on/off ramp to Sorrento Valley Road; add one carpool lane and one general purpose lane to on-ramp from Sorrento Valley Road to southbound I-5; install ramp meters at on-ramp and construct a southbound auxiliary lane between Sorrento Valley Road and Genesee Avenue
2025	SD189	San Diego	Sea World Dr Widening and I-5 Interchange Improvements	In San Diego, replace existing 4-lane bridge with an 8-lane bridge with new on/off ramps; widen approachways to add right turn lanes to improve access to Interstate 5 (CIP 52-706.0)
2025	SD190	San Diego	Palm Ave/I-805 Interchange	Improvements to the Palm Avenue Bridge over I-805; including repairs to the bridge approaches; a new Project Study Report (PSR) and Preliminary Environmental Assessment Report (PEAR). Phase II of the project will include widening of the bridge, realignment of existing ramps, possible addition of northbound looping entrance ramp, restriping of traffic lanes, and signal modifications.
2025	SM19	San Marcos	Grand Ave Bridge and Street Improvements	From Discovery Street to San Marcos Boulevard, construct 4-lane arterial bridge and a 6-lane arterial street from Craven to Grand Avenue
2025	SM22	San Marcos	South Santa Fe - Bosstick to Smilax	From Bosstick to Smilax, realign and signalize the South Santa Fe/Smilax intersection (Phase I)
2025	SM24	San Marcos	Woodland Pkwy Interchange Improvements	From La Moree Road to Rancheros Drive, modify existing ramps at Woodland Parkway and Barham Drive; widen and realign SR 78 undercrossing and associated work
2025	SM31	San Marcos	Discovery St Improvements	From Via Vera Cruz to Bent Avenue/Craven Road, widen roadway to 4-lane secondary arterial
2025	SM32	San Marcos	Via Vera Cruz Bridge and Street Improvements	From San Marcos Boulevard to Discovery Street, widen to 4-lane secondary arterial and construct a bridge at San Marcos Creek

Table A-6.14 (continued)

Phased Arterial Projects - 2016 Regional Transportation Improvement Program

Conformity Analysis Year	SANDAG ID	Lead Agency	Project Title	Project Description
2025	SM42	San Marcos	Street Improvements: Discovery St - Craven Rd to West of Twin Oaks Valley Rd	In the City of San Marcos, on Discovery Street from Craven Road to west of Twin Oaks Valley Road, construct approximately 5,100 lineal feet of a new 6-lane roadway
2025	SM43	San Marcos	Street Improvements and Widening on Barham Dr	Twin Oaks Valley Road to La Moree Road in the City of San Marcos, on Barham Drive between Twin Oaks Valley Road and La Moree Road, widen and reconstruct the north side of Barham Drive to a 6-lane prime arterial and associated work
2025	SM48	San Marcos	Creekside Dr	Construct approximately 3,000 feet of a 2-lane collector road from Via Vera Cruz to Grand Avenue in the City of San Marcos. The road will include two 12-foot lanes, diagonal parking on the north side, and parallel parking on the south side. In addition, the project also will include a 10-foot bike trail meandering along the south side.
2025	SM55	San Marcos	Borden Rd Widening and Improvements	Borden Road from Vineyard to Richland, widening of Borden Road will add an additional roadway capacity to accommodate increase in traffic volumes
2035	SD81	San Diego	Genesee Ave - Nobel Dr to SR 52	In San Diego, future widening to 6-lane major street north of Decoro Street and to a 6-lane primary arterial south of Decoro Street and included Class II bicycle lanes (CIP 52-458.0)
2035	SD190	San Diego	Palm Avenue/Interstate I-805 Interchange	Phase III will provide the ultimate build-out of the project which will incorporate improvements of Phase II plus the northbound and southbound entrance ramps (CIP 52-640.0)
2035	SM10	San Marcos	SR 78/Smilax	Construct new interchange at Smilax Road interchange and SR 78 improvements

Endnotes

- ¹ San Diego Forward: The Regional Plan Appendix T: SANDAG Travel Demand Model and Forecasting Documentation includes additional detail regarding the overall model structure.
- ² Full-time employment is defined in the SANDAG 2006 household survey as at least 30 hours/week. Part-time is less than 30 hours/week on a regular basis.
- ³ GP: general purpose lanes of a freeway.
- ⁴ Projects listed are included in the San Diego Forward: The Regional Plan and Sustainable Communities Strategy
- ⁵ Projects listed are included in the San Diego Forward: The Regional Plan and Sustainable Communities Strategy

Appendix A-7

Congestion Management Process

Appendix U7

SANDAG Federal Congestion Management Process

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SANDAG Federal Congestion Management Process

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Introduction

Federal Highway Administration 23 CFR §450.320 requires that each transportation management area (TMA) address congestion management through a process involving an analysis of multimodal metropolitan-wide strategies that are cooperatively developed to foster safety and integrated management of new and existing transportation facilities eligible for federal funding. The requirements specifically state that “in TMAs designated as nonattainment for ozone or carbon monoxide, the congestion management process shall provide an appropriate analysis of reasonable (including multimodal) travel demand reduction and operational management strategies for the corridor in which a project that will result in a significant increase in capacity for single occupancy vehicles (SOV) is proposed to be advanced with Federal funds.” Additionally, the guidelines state that “federal funds may not be programmed for any project that will result in a significant increase in the carrying capacity for SOVs (i.e., a new general purpose highway on a new location or adding general purpose lanes, with the exception of safety improvements or the elimination of bottlenecks), unless the project is addressed through a congestion management process meeting the requirements of this section.”

SANDAG was designated as the TMA for the San Diego region. The Regional Plan serves as the long-range transportation plan for the region or its Regional Transportation Plan. The Regional Plan meets the requirements of 23 CFR §450.320 by incorporating the following federal congestion management process: (1) performance monitoring and measurement of the regional transportation system; (2) multimodal alternatives and non-SOV analysis; (3) land use impact analysis; (4) the provision of congestion management tools; and (4) integration with the Regional Transportation Improvement Program (RTIP) process.

Background

California State Proposition 111, passed by voters in 1990, established a requirement that urbanized areas prepare and regularly update a Congestion Management Program (CMP). The requirements within the State CMP were developed to monitor the performance of the transportation system, develop programs to address near-term and long-term congestion, and better integrate transportation and land use planning. SANDAG provided regular updates for the State CMP from 1991 through 2008. In October 2009, the San Diego region elected to be exempt from the State CMP and, since this decision, SANDAG has been abiding by 23 CFR §450.320 to ensure the region’s continued compliance with the Federal congestion management process.

Regional Transportation System

The Regional Plan includes a regional transportation system of highways, regional transit service, regional arterials, and active transportation projects. Chapter 2 of the Regional Plan provides a comprehensive overview of the elements of 21st century mobility, including the regional transit strategy, the active transportation network, local streets and roads, Managed Lanes, highway improvements, intelligent transportation systems, transportation demand management, goods movement strategy, aviation and ground access, and planning across borders components (interregional with neighboring counties and international with Baja California, Mexico).

Performance Monitoring

The Regional Plan includes a variety of strategies to enhance regional transportation systems management including multimodal traffic management techniques, as well as new techniques related to both improving performance monitoring, and information and services to regional transportation systems users. The Regional Plan also provides a comprehensive overview of systems management techniques. Chapter 5 includes a discussion of performance monitoring and implementation. Appendix N includes detailed performance results of the transportation network. Performance monitoring reports include the State of Commute Report, Regional Comprehensive Plan (RCP) Monitoring Report, the *TransNet* Independent Taxpayer Oversight Committee (ITOC) Quarterly Corridor Performance Report, as well as the Coordinated Public Transit – Human Services Transportation Plan (Coordinated Plan) Quarterly Transit Performance Monitoring Report.

The State of the Commute, RCP Monitoring, and ITOC Quarterly Corridor Performance reports include, but are not limited to, monitoring:

- Freeway miles traveled per person during weekdays
- Freeway miles traveled per hour during weekdays
- Regional travel by transit
- Total transit, rail, and bus ridership
- San Diego regional annual transit boardings
- Transit use in well served areas
- Regional commute mode shares
- Drive alone mode share
- Alternative Transportation Mode share (carpool/vanpool, public transit, walk, bike, telework, other)
- Auto and transit passenger travel times and travel volumes in key corridors
- Annual hours of traffic delay per traveler
- Annual peak period delay during weekdays
- Regional bottlenecks determined by annual freeway delay (vehicle hours) per lane mile
- Delay by freeway during commute periods

The State of the Commute Report is updated annually, while the Regional Plan Performance Monitoring Report will be produced every four years in a timeframe that is staggered with the preparation of the next Regional Plan. The next monitoring report is due out in 2018.

The Quarterly Transit Performance Monitoring Report includes monitoring the efficiency and productivity of transit operating services by service type. These indicators include:

- Operating cost per passenger
- Operating cost per revenue hour
- Passengers per revenue hour

- Passengers per revenue mile
- Revenue hours per employee
- Farebox recovery rate

The Coordinated Plan also includes annual transit performance indicators by service route for both the Metropolitan Transit System (MTS) and North County Transit District (NCTD). This plan is updated every two years.

Multimodal Alternatives and Non-Single Occupancy Vehicle Analysis

SANDAG incorporates multimodal alternative and non-SOV analysis throughout all levels of planning and/or programming for transportation project improvements. These forms of analysis are incorporated whether the project improvement relates to an SOV or non-SOV capacity increasing improvement. The three primary areas of project development involved in this analysis include: (1) regionwide study analysis through the Regional Plan and RTIP; (2) corridor study analysis; and (3) local level analysis.

Regionwide study analysis

The Regional Plan incorporates recommendations from various corridor studies, transit studies, and project study reports. All projects, services, and programs are evaluated and prioritized for future funding. A discussion of the revenue constrained funding can be found in Chapter 3 and Appendix O. The Regional Plan also includes regionwide and corridor level performance indicators that are reflective of a multimodal approach and inform the development and management of the most effective long-term transportation system, as well as demand management strategies for minimizing and/or managing anticipated congestion. Appendices M and N provide a comprehensive overview of the development of the Regional Plan transportation project evaluation criteria and plan performance measures and methodologies.

The RTIP serves as the short-term programming document that implements the Regional Plan, and includes projects funded with federal, state, and local transportation funding. These projects include regionally significant capacity increasing projects (as identified in the Regional Plan), minor projects, maintenance and operations projects, and other exempt projects. For the regionally significant capacity increasing projects including SOV capacity increasing projects, the RTIP relies on the process implemented through the Regional Plan for the coordination and consultation involved in developing and establishing the congestion management strategies. The projects included in the RTIP are the end result of implementing the process established in the Regional Plan.

Corridor study analysis

Corridor studies incorporate long-range multimodal transportation projects including operational improvements, highway capacity increasing improvements, transit service improvements, active transportation, and transportation demand management (TDM), and transportation systems management (TSM). Corridor studies allow for opportunities to highlight the need for additional transportation improvements and/or the future planning development of projects as related to the Regional Plan. Examples of recent SANDAG corridor studies include:

- [I-8 Corridor Study](#)¹
- [I-5 South Multimodal Corridor Study](#)²
- [SR 78 Corridor Study](#)³

Other corridor studies include transportation concept summaries (TCS), transportation concept reports (TCR), and project study reports (PSR) developed by Caltrans, as well as corridor system management plans (CSMP) jointly

developed by Caltrans and SANDAG. The development of PSRs informs the development of Regional Plan priorities and RTIP programming.

Local level analysis

Local jurisdiction projects that receive federal funds to develop capacity increasing improvements are required to provide sufficient documentation that an appropriate multimodal alternative and non-SOV analysis has been performed. This analysis is required to be completed prior to submitting a project for inclusion within the RTIP.

Land Use Impact Analysis

Regional models

The Regional Plan includes the 2050 Regional Growth Forecast which is based on land use inputs gathered from the region's 18 incorporated cities and the county. These inputs include current adopted general and community plans, and draft general plan updates, as provided by the local land use authority. SANDAG uses three models in its forecasts: (1) the Demographic and Economic Forecasting Model (DEFM); (2) the Urban Development Model (UDM); and (3) the Activity Based Model. The Regional Plan Appendix T provides additional information related to the SANDAG transportation modeling and forecasting processes.

Intergovernmental Review

Per state law, SANDAG has the authority to determine whether a project or plan will need to be reviewed for regional significance. SANDAG staff reviews projects and determines if they are regionally significant based on the amount of traffic generated and other regionally significant issues. If significant, environmental review of projects should include consideration of applicable policy objectives contained in the Regional Plan.

For projects considered to have significant impacts, SANDAG staff provides comments from a regional perspective that emphasize the need for land use and transportation coordination and are based on policies contained in the Regional Plan. In addition to the Regional Plan, SANDAG provides resources for the evaluation of projects including:

- [San Diego Region Aggregate Supply Study⁴](#)
- [Designing for Smart Growth, Creating Great Places in the San Diego Region⁵](#)
- [Planning and Designing for Pedestrians, Model Guidelines for the San Diego Region⁶](#)
- [Trip Generation for Smart Growth⁷](#)
- [Parking Strategies for Smart Growth⁸](#)
- [Regional Multimodal Transportation Analysis: Alternative Approaches for Preparing Multimodal Transportation Analysis in Environmental Impact Reports⁹](#)
- [Integrating Transportation Demand Management Into the Planning and Development Process: A Reference for Cities¹⁰](#)
- [Regional Parking Management Toolbox¹¹](#)
- [Transit Oriented Districts: A strategy for the San Diego Region¹²](#)

Congestion Management Tools

The Regional Plan provides a variety of congestion management tools. Many of these tools and strategies are included in Chapters 2 and 5 of the Regional Plan. In addition, the Regional Plan provides incentives and assistance to local member agencies to encourage smart growth development in the areas identified on the Smart Growth Concept Map. The SANDAG “Smart Growth Tool Box” includes both planning and financial tools.

Systems Development Measures

- Improvements to the current system that will improve the convenience and travel speed of bus and rail services.
- Implementation of new transit services that will improve transit in more areas and offer new service types designed to attract new riders to transit.
- Enhancing the transit customer experience to make transit easier, safer, and more enjoyable to use. Enhancements can include increased station amenities and low-floor vehicles to improve accessibility.
- Continue to develop and enhance active transportation through bike and pedestrian facilities and bike lockers, and implementation of the Regional Bicycle Plan.
- Continue to develop and enhance safe routes to schools plans and strategies including the “San Diego Regional Safe Routes to School Strategic Plan.”¹³

TSM measures

- Multimodal integration and performance based management including performance monitoring and real time modeling/simulation.
 - *Traveler information* - aims to increase awareness and the information available on travel choice, and impact, such that travelers can actively participate in reducing both network demand and personal trip-impact. The program delivers both systems and education outreach campaigns to raise the awareness of the direct relationship that route choice, personal driving habits, and the trip timing have on reducing fuel consumption, vehicle operating expenses and vehicle emissions.
 - *Arterial management* - focuses on managing arterial roadways (major streets) in order to reduce delays and result in quicker trips and lower vehicle emissions. Improvements to arterial detection and signal interconnect will provide the ability to create a traffic signal system that is dynamic and coordinated throughout the region. Improving the flow of traffic on arterial roadways is among the most cost-effective TSM strategies for reducing stop-and-go traffic, cutting overall travel times, and lowering fuel consumption and pollution.
 - *Freeway management* - is responsible for deploying systems that improve operational efficiency of freeway control infrastructure; enable freeway managers to have greater control over vehicle operating speeds; facilitates freeway manager’s ability to communicate with the traveling public the impact of events, incidents, and congestion. It also provides freeway managers with greater operational visibility to operating conditions both on and off network. Some of the systems included in this program are traffic detection technologies, closed-circuit television cameras, ramp meters, electronic message signs, and the Advanced Transportation Management System, which provides central monitoring and sign control for managing incidents.
 - *Transit management* – bus and light rail, including regional scheduling system (RSS), regional transit management system (RTMS), positive train control (PTC), and centralized train control (CTC).

- Electronic payment services including Compass Card, FasTrak® Open Road Tolling, and smart parking systems.
- Vehicle Technologies.
- Advanced Transportation Technology Program.
- Universal Transportation Account.
- Transit Infrastructure Electrification/Regional Charger Program.
- Smart Parking.

TDM measures

- iCommute is the regional TDM program. iCommute coordinates services that increase the number of commuters who carpool, vanpool, take transit, bike, walk, and telework. This includes online ridematching services, the Regional Vanpool Program, carpool incentive program, employer outreach program, support for teleworking, bike encouragement and education programs, and regional campaigns like Rideshare Month and Bike to Work Month.
- Mobility Hubs – Mobility hubs are places of connectivity, where different modes of transportation — walking, biking, ridesharing, and transit — come together seamlessly to link users to employment, housing, and recreational destinations. Mobility hubs expand the reach of transit by offering people more incentives to use transit and leave their cars at home. Mobility hubs can promote carsharing, bikesharing, and the use of on-demand ride services.
- Active Traffic and Demand Management (ATDM) – builds on Integrated Corridor Management (ICM) to dynamically monitor, control, and influence travel demand, traffic demand, and traffic flow of key corridors. ATDM facilitates the use of transportation alternatives through various approaches, including dynamic ridesharing, dynamic speed limits, dynamically priced parking, and predictive traveler information to improve overall highway efficiency.
- Shared Mobility Services – can fill gaps in the region’s transit services and provide an efficient transportation alternative for commute and non-commute trips. Examples of shared mobility services include carsharing, bikesharing, on-demand ride services scootershare, shared electric vehicles, and on demand shuttle and jitney services.
- Performance monitoring.

Implementation measures

- Outreach program
- Smart Growth Concept Map
- Visualization tools and photo library
- Smart growth design guidelines
- Smart growth trip generation
- Regional Parking Management Toolbox
- Research on connections between public health, land use, and transportation
- Planning and designing for pedestrians

- *TransNet* Smart Growth Incentive Program (SGIP)
- *TransNet* Active Transportation Grant Program (ATGP)
- TDA/*TransNet* Bicycle, Pedestrian, and Neighborhood Safety Program

Regional/Federal Transportation Improvement Program

The Regional/Federal Transportation Improvement Program (R/FTIP) is a multi-billion dollar, five-year program of major highway, transit, arterial, and nonmotorized projects funded by federal, state, *TransNet* local sales tax, and other local and private funding.

The RTIP serves as a prioritized program designed to implement the region's overall strategy for providing mobility and improving the efficiency and safety of the transportation system, while reducing transportation-related air pollution in support of efforts to attain federal and state air quality standards for the region.

Chapters 2 and 3 of the 2014 RTIP provide a description of the development process, including federal, state, and *TransNet* transportation programming requirements, and the detailed listings of projects. All local agency SOV capacity increasing projects seeking, or that is eligible for, federal funds are required to perform a multimodal alternative and non-SOV analysis prior to submitting SOV capacity increasing projects for inclusion in the RTIP. The multimodal alternative, and non-SOV analysis, must document an SOV capacity increasing project assessment that has considered the components within the congestion management tools section of the SANDAG Federal Congestion Management Process:

- Systems development measures
- TSM measures
- TDM measures
- Implementation measures

Each agency is required to assess whether the project has been evaluated for non-SOV capacity improvements. Agency documentation should be provided to SANDAG when submitting the project for inclusion in the RTIP.

Endnotes

- ¹ sandag.org/l-8
- ² <http://www.sandag.org/index.asp?classid=13&projectid=387&fuseaction=projects.detail>
- ³ <http://www.sandag.org/index.asp?projectid=412&fuseaction=projects.detail>
- ⁴ http://www.sandag.org/uploads/publicationid/publicationid_1558_12638.pdf
- ⁵ <http://www.sandag.org/index.asp?projectid=344&fuseaction=projects.detail>
- ⁶ http://www.sandag.org/uploads/publicationid/publicationid_713_3269.pdf
- ⁷ http://www.sandag.org/uploads/publicationid/publicationid_1500_11604.pdf
- ⁸ http://www.sandag.org/uploads/publicationid/publicationid_1499_11603.pdf
- ⁹ http://www.sandag.org/uploads/projectid/projectid_379_13576.pdf
- ¹⁰ http://www.sandag.org/uploads/publicationid/publicationid_1663_14425.pdf
- ¹¹ <http://www.sdforward.com/mobility-planning/parking-toolbox>
- ¹² <http://www.sandag.org/tod>
- ¹³ In 2010, the SANDAG Board of Directors approved the San Diego Regional Safe Routes to School Strategic Plan to support local communities in establishing new Safe Routes to School programs as well as sustaining and enhancing existing efforts. Regional efforts to implement this strategy are funded as part of the Active Transportation Program.

Appendix A-8

Public Participation

Appendix A-8

Public Participation

It is the policy of the San Diego Association of Governments (SANDAG) to encourage public participation in the transportation planning and programming processes. The public involvement program consists of (1) participation on various SANDAG working groups; (2) opportunities to comment at SANDAG Board of Directors (Board) meetings and public hearings; (3) through the SANDAG public communications program; and (4) special outreach efforts conducted for the Regional Plan. In an effort to increase the outreach for the Regional Transportation Improvement Plan (RTIP), SANDAG distributed the draft 2016 RTIP to groups in the low-income/minority areas and tribal groups. SANDAG, as an agency plans to incorporate social equity within its business practice including the RTIP. All of these components were used in the development of the 2016 RTIP.

SANDAG Committees and Working Groups

SANDAG uses policy and advisory committees and technical working groups to provide additional opportunities for involvement in SANDAG transportation planning and programming activities by local agency officials and staff, interested groups, and the general public. The following committees and working groups have participated in the development of the RTIP. Meeting notices and agendas are sent to the committee and working group members and other citizen groups and individuals expressing an interest. All committee and working group meetings are open to the public.

Policy Advisory Committee

Transportation Committee: This committee of SANDAG Board members has been delegated additional authority for numerous transportation related issues, including holding public hearings and approving RTIP amendments in addition to continuing its advisory role to the full SANDAG Board on matters pertaining to major transportation projects and transportation policy-level matters. The committee provides recommendations to the Board regarding funding of transportation projects included in the RTIP and *TransNet* Program. The committee includes a subset of the Board, including Metropolitan Transit Systems (MTS) and North County Transit District (NCTD). Additionally, Caltrans and members of the Southern California Tribal Chairmen's Association act as advisory members of the Committee.

Working Groups/Advisory Committees

Active Transportation Working Group: The Active Transportation Working Group makes recommendations and fosters cooperation among the jurisdictions, agencies, and stakeholders within the San Diego region to plan for and support the development of local and regional improvements for active transportation modes (bicycling and walking), including Safe Routes to Transit, Safe Routes to School, facility development, operation and maintenance, education, encouragement, and evaluation.

Cities/County Transportation Advisory Committee: Cities/County Transportation Advisory Committee reviews and provides an advisory role in: (1) transportation fund allocations; (2) local streets and road projects included in the Regional Transportation Plan and RTIP; and (3) highway and local streets and road-related

SANDAG studies. Membership includes public works directors or engineers from each city and the County, Caltrans, MTS, NCTD, the Port of San Diego, and Air Pollution Control District (APCD).

Independent Taxpayer Oversight Committee: This advisory committee made up of members of the public was created in FY 2008 with the passage of the *TransNet* extension. Based upon the provisions of the *TransNet* Extension Ordinance, the Independent Taxpayer Oversight Committee (ITOC) is responsible for reviewing projects proposed for funding with *TransNet* funds and providing comments to the SANDAG Transportation Committee and to the Board for consideration when actions are taken on the RTIP. Specifically, the ITOC's role in the RTIP process is provided below:

"Review and comment on the programming of *TransNet* revenues in the RTIP. This provides an opportunity for the ITOC to raise concerns regarding the eligibility of projects proposed for funding before any expenditures are made. In addition to a general eligibility review, this effort should focus on significant cost increases and/or scope changes on the major corridor projects identified in the Ordinance and Expenditure Plan."

Interagency Technical Working Group on Tribal Transportation Issues: The purpose of the Interagency Technical Working Group on Tribal Transportation Issues is to serve as a forum for regional tribal governments to discuss and coordinate transportation issues of mutual concern with the various public planning agencies in the region, including SANDAG, Caltrans, the County of San Diego, and the transit operators.

San Diego Regional Traffic Engineers' Council: San Diego Regional Traffic Engineers' Council serves as SANDAG's technical advisory committee on regional traffic engineering matters. Membership includes a traffic engineering representative from each city, the County, and Caltrans.

San Diego Region Conformity Working Group: The San Diego Region Conformity Working Group (CWG) provides federal interagency coordination for the transportation/air quality conformity process and advises on regional and statewide air quality matters. The CWG includes representatives from SANDAG, Caltrans, APCD, the California Air Resources Board, Federal Highway Administration, Federal Transit Administration, and United States Environmental Protection Agency.

The Transportation Committee and the various working groups are provided with both written material and staff presentations on the major projects included in the 2016 RTIP. Where appropriate, their comments are noted in staff reports to the SANDAG Board, and may be reflected in the 2016 RTIP or in its subsequent amendments.

SANDAG Board Meetings and Public Hearings

All SANDAG Board meetings are noticed, open to the public, and held in Americans with Disabilities (ADA) compliant meeting rooms served by public transportation. The public hearing notice is published in local newspapers of general circulation as well as in minority newspapers. The SANDAG Board accepted and released the draft 2016 RTIP, including its draft air quality conformity analysis, for a 30-day public review and distribution at its meeting on July 22, 2016. A public hearing was held at the Transportation Committee meeting on September 2, 2016.

In addition, each city and the County of San Diego are responsible for providing adequate notice and holding public meetings and/or public hearings as part of their process to develop and submit transportation projects for inclusion in the 2016 RTIP. Pursuant to federal law, the requirements to hold public hearings/notices for federally funded transit projects for MTS and NCTD are herein incorporated as part of the public hearing process for the 2016 RTIP. The public meetings/hearings held by each member agency provide further opportunities for public involvement and participation on specific projects and programs.

Public Participation Policy and Public Participation Plan

While the Public Participation Policy provides the overall guiding principle to ensure public input and involvement, the Public Participation Plan (PPP) establishes a processes for obtaining input from and providing information to the public concerning agency policies, programs, projects, and program funding in order to ensure the public is informed and has the opportunity for input so plans can reflect the public's vision. The PPP was developed in response to the requirements set forth in 23 CFR 450.316. A copy of the PPP, as amended, is available on the SANDAG website at sandag.org/ppp.

**PUBLIC PARTICIPATION/PLAN POLICY****Purpose**

This policy establishes a process for obtaining input from and providing information to the public concerning agency programs, projects, and program funding in order to ensure the public is informed and has the opportunity to provide SANDAG with input so plans can reflect the public's desire. SANDAG will review and update this plan every three years. Various federal and state laws and regulations require that an agency such as SANDAG conduct and establish a Public Participation Plan to ensure that the public is involved and that community concerns are addressed. For example, planning of mass transit capital projects, development of short range service policies and plans, and fare policy and structure changes to public transportation require public participation. The California Environmental Quality Act (CEQA) and the National Environmental Policy Act (NEPA) also have public information components that require an agency such as SANDAG to conduct public participation programs to ensure that the public is involved and that community concerns are addressed. A significant component of the SANDAG mission is a strong commitment to public participation and involvement to include all residents and stakeholders in the regional planning process.

The public participation policy is consistent with the requirements of Public Utility Code Section 132360.1 established with the passage of Assembly Bill 361 which reads as follows:

(c) The agency shall engage in a public collaborative planning process; recommendations from that process shall be made available and considered for integration into the plan. A procedure to carry out this process including a method of addressing and responding to recommendations from the public shall be adopted.

Social Equity and Environmental Justice

Ensuring the meaningful involvement of low income, minority, disabled, senior, and other traditionally underrepresented communities is a key component of SANDAG public participation activities. SANDAG policies, procedures, and programs are consistent with federal and state environmental justice laws, regulations, and requirements, Title VI, related nondiscrimination requirements, and reflect the principles of social equity and environmental justice. Social equity means ensuring that all people are treated fairly and are given equal opportunity to participate in the planning and decision-making process, with an emphasis on ensuring that traditionally disadvantaged groups are not left behind. Environmental justice means ensuring that plans, policies, and actions do not disproportionately affect low income and minority communities.

Scope

The policy addresses public participation policies and public information efforts in the following areas:

- A. Overall Public Participation Plan
- B. Short Range Program – Regional Transportation Improvement Program
- C. Development Planning
- D. Design and Construction
- E. Fare Changes
- F. Short Range Transit Planning
- G. Native American Consultation

A. Overall Public Participation Plan -- *Unless otherwise noted or required, the Public Participation Plan provides SANDAG general policies for public participation for major planning initiatives such as the Regional Transportation Plan, Regional Comprehensive Plan, Regional Short Range Transit Plan, and other planning and programming projects, including any tailored public involvement plans associated with them.*

1. The SANDAG Public Participation Plan is designed to inform and involve the region's residents in the decision-making process on issues such as growth, transportation, environmental management, housing, open space, air quality, energy, fiscal management, economic development, and public safety.
2. The Public Participation Plan seeks to involve all citizens, including but not limited to low income households, limited English proficient individuals, Hispanic, African American, Asian, Native American, senior, and other communities, persons with disabilities, as well as community and civic organizations, public agencies, business groups and associations, environmental organizations, and other stakeholders.
3. SANDAG Board meetings provide the public forum and decision point for significant regional issues. SANDAG Directors usually hold one or two Board meetings each month: a Board Policy Meeting the second Friday of each month and a Board Business Meeting the fourth Friday of each month. Meetings held at the SANDAG office are accessible by public transit. During these meetings, Directors adopt plans, allocate transportation funds, approve transit construction plans, approve transit fare changes, and establish policies and develop programs that are used by local governments as well as other public and private organizations.
4. The SANDAG Public Participation/Involvement Program shall comply with the Americans with Disabilities Act (ADA). SANDAG shall hold public meetings in buildings, rooms, or locations that are accessible to persons with disabilities. SANDAG shall provide public meeting information in alternate formats and shall provide special accommodations at public meetings with three business days notice.

5. The SANDAG Public Participation/Involvement Program Plan is carried out as an integrated work element of the agency's Overall Work Program and Budget and as part of other programming, development, and implementation processes such as the Regional Transportation Plan, the Regional Comprehensive Plan, Regional Short Range Transit Plan, Regional Transportation Improvement Program, Environmental Impact Reports, transit capital project development, project construction, transit fare changes, corridor studies, and other projects.
6. SANDAG shall proactively seek and promote public participation in SANDAG workshops and public hearings, as well as participation and attendance at committees, working groups, and task forces. SANDAG shall follow local, state, and federal guidelines for posting public meeting and hearing notices. Depending upon the specific project, SANDAG shall endeavor to hold meetings at times that can attract as many participants as possible, including evenings and weekends and at locations in communities throughout the region. SANDAG shall endeavor to hold these meetings in locations that are accessible by public transit.
7. SANDAG shall inform the public in a timely manner about regional issues, actions, and pending decisions through a number of efforts. As needed or required, SANDAG shall post public notices in newspapers of general circulation for publication of legal notices. Other publication and distribution efforts can include mail distribution to residents, agencies, and city/county governments, the SANDAG website, email lists, and rEgion – the SANDAG monthly electronic newsletter. As needed, SANDAG also shall distribute press releases and media alerts to local, regional, and Mexico border area print and broadcast media.
8. SANDAG shall regularly inform local print and broadcast media about SANDAG decisions, events, research, and other issues. SANDAG shall regularly distribute press releases to County News Service, Daily Transcript, East County Californian, El Latino, La Prensa, Los Angeles Times, North County Times, San Diego Business Journal, San Diego Metropolitan, San Diego Union-Tribune, San Diego Voice & Viewpoint, The Star News, and numerous community newspapers. SANDAG shall also distribute information to local and Mexico radio and television stations.
9. SANDAG shall use its website to provide the public with useful and timely information including meeting schedules and agendas; plans and environmental documents; reports and other publications; demographic profiles and data downloads; and interactive database and mapping applications.
10. As appropriate and as required by local, state, and federal guidelines, SANDAG shall translate into Spanish, and other languages, publications, announcements, and web content. In addition, numerous staff members are bilingual Spanish-English speakers and participate in public outreach and conduct presentations in Spanish. Translators shall be hired as outlined in the SANDAG Language Assistance Plan and as required by local, state, and federal guidelines to provide services in Spanish and other languages as appropriate.

11. SANDAG conducts periodic public opinion surveys as part of the outreach and citizen participation component of the SANDAG work program. These surveys shall be designed to include the San Diego region's residents in the regional planning process and to keep SANDAG officials aware of issues that are of concern to the people who live here.
12. SANDAG will endeavor to respond to general comments received by phone, fax, letter, or email within five (5) business days of receipt. Comments shall be routed to the SANDAG staff person who is responsible for that issue. Comments may be responded to in writing (email or letter) or may be resolved with the initial phone call. Some comments may need to be resolved by another agency or jurisdiction so the customer is referred to the appropriate entity. When a comment is submitted as part of a public review process (e.g., a plan or environmental report) the comment and response is logged into a database. Comments, concerns, and responses received as part of a public review process shall be included in the final plan or report.

B. Short Range Program – Regional Transportation Improvement Program (RTIP) –
document updated every two years outlining major transportation projects to be implemented during a five-year period.

1. SANDAG shall follow the latest federal and state regulations regarding participation by interested parties.
2. As the document that implements the long range plan, the RTIP shall be incorporated as part of the Board-adopted public involvement process established for the Regional Transportation Plan (October 27, 2006) including participating in public outreach efforts, providing adequate public notice (legal notice publications), employing visualization techniques, holding public meetings at convenient and accessible locations.
3. SANDAG shall respond to any significant public input or comment received during the development of the biennial update and/or during the amendment cycle as part of its report to the Board or Transportation Committee (as appropriate).
4. The biennial RTIP update will be noticed in newspapers of general circulation including in alternate languages and a public hearing shall be held prior to final adoption by the Board of Directors.
5. During the amendment cycle, SANDAG will provide a draft of the amendment to all interested parties for a 15-day comment period.

C. Development Planning – *Planning, environmental, preliminary engineering activities on major capital projects.*

1. SANDAG shall follow current federal and state regulations regarding public involvement processes and procedures. SANDAG shall develop public involvement programs tailored to meet specific project needs which address the unique challenges presented by each project. Programs shall be developed using the joint Federal Highway Administration and Federal Transit Administration (FHWA/FTA) guidelines titled "Public Involvement Techniques for Transportation Decision-Making."
2. The public involvement program shall set objectives, identify people to be reached, develop public involvement strategy, and define specific outreach techniques.
3. The public involvement program shall be developed so that critical community concerns and technical issues are identified in the study. The issues need to address the engineering, environmental, economic, and financial analyses that respond effectively to community needs and preferences and satisfy local, state, and federal environmental clearance requirements.
4. To facilitate community participation, lists of individuals, agencies, and organizations shall be developed for distribution of agency materials. These lists will include persons who have indicated an interest in transportation planning projects during previous public information efforts and/or focused on the specific project. Project information would be distributed to the persons on this list in conjunction with public meetings and workshops, to solicit comments and recommendations.
5. Environmental documents shall be prepared in accordance with California Environmental Quality Act (CEQA) and the National Environmental Policy Act (NEPA), as appropriate, and in coordination and consultation with various federal, state, and local agencies, and with elected officials, community leaders, organizations, and other individuals from the neighborhoods and communities potentially affected by the proposed action. Coordination and public involvement shall be achieved through a variety of means, such as formal public hearings and meetings, circulation of draft documents, mailings, focus group meetings, workshops, and individual/group contacts.
6. Formal scoping meetings, public hearings, and/or other meetings during the comment period and environmental document certification shall be held in accordance with the requisite environmental document. As required, meetings shall be announced in the Federal Register, local publications, and on the SANDAG website. Persons and organizations on the project mailing list also will be notified. SANDAG shall endeavor to hold public meetings in locations accessible by public transit.
7. SANDAG shall prepare and distribute appropriate notices and communications to comply with CEQA and NEPA requirements.

8. A public information program shall be developed to inform the community of factors related to the project. The information program may include briefings for the news media, informational meetings, presentations to include community and professional associations and educational institutions, business groups and associations, environmental organizations, and other public forums.
9. A project working group may be organized to review and comment on the project to build understanding and identify support for feasible alternatives. This group may consist of various elected officials/staff, community and neighborhood organizations, business organizations, property owners, and other stakeholders and interested parties. This group would be formed to provide comment and guidance regarding technical issues, review study alternatives and evaluation results, and provide community input regarding the alternatives. This iterative process would allow for identified issues and concerns to receive follow-up responses. Meeting summaries of project working group activities shall be produced. Meeting notices, agendas, and/or other information shall be posted to the SANDAG website.
10. Other public input opportunities include SANDAG Board of Directors meetings and meetings of SANDAG policy committees: Executive, Transportation, Regional Planning, Borders, and Public Safety. Other opportunities for public participation are at working group meetings, general public meetings, and presentations to planning and community groups.

D. Design and Construction – *Design and construction of capital projects.*

1. For all capital improvement projects with significant community impacts, SANDAG shall provide opportunities for members of the public to provide input and express concerns. SANDAG also shall implement a program designed to inform the public of progress, as well as safety and community impacts in the event of construction.
2. SANDAG shall hold publicly noticed meetings at key stages of project development and implementation in the area(s) being impacted. The location of the meetings shall depend upon the geographic location of the project. Meetings concerning projects exclusively within the North County Transit District (NCTD) service area shall be held in North County locations, and if appropriate, at SANDAG offices. Meetings concerning projects exclusively within the Metropolitan Transit System (MTS) service area shall be held in MTS service areas affected, and if appropriate, at SANDAG offices. Meetings concerning all other projects shall be held at SANDAG offices or other locations specified in SANDAG agendas. SANDAG, MTS, and NCTD offices are accessible by public transit. SANDAG shall endeavor to hold off-site public meetings at locations accessible by public transit.
3. SANDAG shall solicit input from the representatives of interest groups of the local population, such as community groups, planning groups, business groups and associations, business improvement districts, environmental organizations, neighborhood associations, limited English proficient populations, and senior and disabled riders. These stakeholders will be consulted during the design and construction of capital projects.

4. SANDAG shall work to advise the public regarding actual and perceived disruption during construction of capital projects by distributing informational, educational, and public information materials, and by using other traditional community relations tools.
5. SANDAG shall endeavor to meet citizen concerns as they arise and attempt to resolve those concerns.
6. For all projects requiring environmental review under CEQA and NEPA, such as major capital improvement projects, SANDAG shall provide opportunities for members of the public to provide input and comply with all related legal requirements.
 - 6.1 SANDAG shall solicit input from the representatives of interest groups of the local population, such as community groups, planning groups, business groups and associations, and neighborhood associations.
 - 6.2 SANDAG shall incorporate public input into project planning and development where practical and feasible.
 - 6.3 SANDAG shall hold a public hearing to seek public comment whenever required under CEQA and/or NEPA.
 - 6.3.1 Published notifications for such hearings shall be published in newspapers of general circulation for publication of legal notices. Notices also may be published in regional, community, or Spanish-language newspapers to reach the affected area.
 - 6.3.2 Any item subject to a public hearing will be listed and described in the Board's published agenda, which shall be posted at least 72 hours in advance of the meeting at the Board's meeting place and on the SANDAG website.
 - 6.3.3 Public hearings shall be conducted by SANDAG at the published date, time, and place. The public hearing will allow for interested parties to be heard. The Board also will consider any written comments that were forwarded to the Board prior to the hearing.

E. Fare Changes

1. SANDAG has adopted Board Policy No. 029 to provide policy guidance for fare changes. This section of this policy is designed to inform and involve public transit riders, stakeholders, and the general public about proposed changes in transit fares. It is not intended to apply to transit route changes within the purview of the transit operators.
 - 1.1 Consistent with Board Policy No. 004, SANDAG staff shall hold one or more public meetings to provide the public an opportunity to comment on proposed fare changes. A minimum of two public meetings shall be held

prior to the first reading of any proposed fare change that affects services operating in both the MTS and NCTD service areas. At least one public meeting shall be held in the MTS service area, and at least one public meeting shall be held in the NCTD service area. If one or more public meetings are conducted by a public meeting officer pursuant to Board Policy No. 004, at least one of the public meetings shall be held with a starting time no earlier than 6:00 p.m. A public meeting for proposed fare changes that do not affect the entire region may be held exclusively within the general geographic area that is being affected by the fare change. Such public meeting shall be held at a time convenient for users and potential users of the affected service. Public meetings at which formal public testimony will be taken shall be held at locations that are accessible by users of public transit. An official transcriber or other means of recording all public input received shall be utilized at all public hearings, meetings, workshops or open-houses at which formal public testimony is taken. A record of the input received shall be provided to the Transportation Committee or Board of Directors at the time of the first and second readings of amendments to the fare ordinance for the purpose of adjusting fare prices.

- 1.2 Public comments on proposed fare changes also shall be accepted at the SANDAG Board or Transportation Committee meeting before any final action is taken.
- 1.3 *Take One*, Rider Alerts, or other public notices in both English and Spanish will be posted on all affected public transit vehicles within the affected area at least 15 calendar days prior to the public hearing and will include a description of the proposed fare change, the date, time, intent and location of the public meeting, and the deadline for written, email and phone comments from the public. The notices will be posted to the SANDAG and Transit Agency website(s).
- 1.4 Print notice of public meetings at which formal public testimony will be taken will be provided at least 15 calendar days prior to the public meeting date in newspapers of general circulation in the affected area(s), including appropriate minority and community publications. Public notices will be printed in Spanish in Spanish-language newspapers. Such public meeting notices will include a description of proposed fare changes, the date, time, intent, and location of the public meeting(s), and the deadline for written, email, and phone comments from the public.
- 1.5 An open phone line will be made available to take public comments at least 15 calendar days prior to adoption of fare changes.
- 1.6 A Transportation Committee and/or Board report (as appropriate) will be completed and available for public review at least 72 hours prior to the public meeting at which the fare changes are proposed for adoption and posted to the SANDAG website(s).

2. After a fare change is approved by SANDAG:
 - 2.1. The public will be notified via news release(s)
 - 2.2. *Take One*, Rider Alerts, or other public notices in both English and Spanish will be posted on all affected transit vehicles at least 15 calendar days prior to changes going into effect and posted to the SANDAG and Transit Agency website(s).
3. SANDAG shall follow federal Title VI and environmental justice requirements when implementing transit fare changes.
 - 3.1. Residential, employment, and transportation patterns of low-income, limited English speaking, and minority populations shall be identified so that their needs can be identified and addressed, and the benefits and burdens of transportation investments can be fairly distributed. SANDAG shall endeavor to involve the affected communities in evaluating the benefits and burdens of transportation investments.
 - 3.2. SANDAG shall evaluate and - where necessary - improve the public involvement processes to eliminate participation barriers and engage minority and low-income populations in transportation decision making.

F. Short Range Transit Planning

1. Public information and involvement programs for the Regional Short Range Transit Plan and the Coordinated Human Resources and Public Transit Transportation Plan shall be the responsibility of SANDAG.
2. Public information and involvement programs for transit service changes will fall under adopted policies of MTS and NCTD.

G. Native American Consultation

1. SANDAG shall establish and adhere to government-to-government relationships when interacting with Tribal Governments, acknowledging these tribes as unique and separate governments within the United States.
2. SANDAG shall recognize and respect important California Native American rights, sites, traditions, and practices.
3. SANDAG engages in “consultation” with Tribal Governments prior to making decisions, taking actions, or implementing programs that may impact their communities.
4. To facilitate effective consultation with Tribal Governments, SANDAG has established a Tribal Government Liaison. The Liaison shall serve as an initial contact for Tribal Governments and communicates with tribal governments regarding SANDAG activities.

- 4.1. “Consultation” is the active, affirmative process of: (1) identifying and seeking input from appropriate American Indian government bodies, community groups, and individuals; and (2) considering their interests as a necessary and integral part of the decision-making process.

Adopted March 2005
Amended January 2006
Amended December 2007
Amended December 2008
Amended January 2010
Amended November 2012

Appendix A-9

Public Comments/Responses

2016 Regional Transportation Improvement Program (RTIP)

Public Comments and Responses on 2016 RTIP

Comment No.	Agency	Last Name	First Name	Comment	Response	Comment Date	Form
1	N/A	Minervini	Joe	Question on Ramona Street Extension (CNTY35) regarding types of funding and proposed completion date.	CNTY35 is currently programmed with <i>TransNet</i> - Local Street Improvement funds with an anticipated open to traffic date of 2020	8/16/2016	Email

Appendix A-10

Caltrans 2017 Federal State
Transportation Improvement
Program Checklist

2017 Federal Transportation Improvement Program (FTIP) Checklist for Caltrans FTIP Coordinator

I. Timeline:

Ensure each Metropolitan Planning Organization (MPO) submits the following items to Caltrans:

- The *Draft* 2017 FTIP at the start of the FTIP public review period but not later than **September 1, 2016**.
- Three copies of the *Final* 2017 FTIP, along with any amendments and administrative modifications to the 2017 FTIP by **September 30, 2016**.
- Web-link to the Final 2017 FTIP and amendments by **September 30, 2016**.

II. FTIP Package Submittal:

Verify the FTIP package includes the following:

- ☐ Project Listings
 - Projects that are Transportation Control Measures (TCMs) are identified
- ☐ Detailed listings for highway and transit grouped projects (back-up listings)
- ☐ Signed board resolution that addresses the following:
 - Consistency with the metropolitan transportation planning regulations per Title 23 Code of Federal Regulations Part 450
 - Consistency with the Regional Transportation Plan (RTP) ____ (e.g. 2030)
 - Financial constraint – the enclosed financial summary affirms availability of funding
 - Meets Air Quality Conformity
 - Does not interfere with the timely implementation of the TCMs contained in the State Implementation Plan (SIP)
 - Completion of the public participation process in accordance with the MPO's Public Participation Plan (PPP)
- ☐ Project listings included in the Final 2017 FTIP are available in the California Transportation Improvement Program System (CTIPS)
- ☐ Financial Summary
 - Includes financial information covering the first four years of the FTIP
 - Excel file submitted electronically (Template is posted at <http://www.dot.ca.gov/hq/transprog/oftmp.htm>)
- ☐ Air quality conformity analysis and determination
- ☐ PPP/Interagency Consultation
- ☐ Expedited Project Selection Procedures (EPSP) documentation
- ☐ Three copies of the Final 2017 FTIP mailed to:

**California Department of Transportation
Office of Federal Transportation Management Program, MS 82
P.O. Box 942874
Sacramento, CA 94274-0001
Attention: Muhaned Aljabiry**

Appendix A-11

Glossary of Terms and Acronyms

Appendix A-11

Glossary of Terms and Acronyms

A

AB	Assembly Bill
ABM	Activity Based Model
AC	Advanced Construction
ADA	Americans with Disabilities Act
ADT	Average Daily Traffic
APCB	San Diego Air Pollution Control Board
APCD	San Diego County Air Pollution Control District
ARB	Air Resources Board
ARRA	American Recovery and Reinvestment Act
ATCDF	Average Train Crossing Delay Factor
ATP	Active Transportation Program
ATWG	Active Transportation Working Group

B

BIA	Bureau of Indian Affairs
BIP	Border Infrastructure Program
BPNS	Bicycle, Pedestrian, and Neighborhood Safety Program
BRT	Bus Rapid Transit
BTA	Bicycle Transportation Account

C

CAA	Clean Air Act
CAAA	1990 Clean Air Act Amendments
Caltrans	California Department of Transportation
CARB	California Air Resources Board
CBI	Corridors and Borders Infrastructure
CBO	Community Based Organizations
CHP	California Highway Patrol
CI	Capacity Increasing
CIP	Capital Improvement Program
CMAQ	Congestion Mitigation and Air Quality Program
CMIA	Corridor Mobility Improvement Account
CMP	Congestion Management Process
CO	Carbon Monoxide
CON	Construction Phase
CPI	Consumer Price Index
CTAC	Cities/County Transportation Advisory Committee
CTC	California Transportation Commission
CTDRI	Caltrans Department of Research and Innovation
CWG	Conformity Working Group

D

DAR	Direct Access Ramp
DEFM	Demographic and Economic Forecasting Model
DEMO	Federal Demonstration Funding
DOT	United States Department of Transportation

E

EAP	Early Action Program
EMFAC	EMissions FACtors Model
EPA	United States Environmental Protection Agency
EPSP	Expedited Project Selection Process

F

FAST	Fixing America's Surface Transportation
FE	Fund Estimate
FHWA	Federal Highway Administration
FR	Federal Register
FRA	Federal Railroad Administration
FSP	Freeway Service Patrol or FSP Act
FSTIP	Federal State Transportation Improvement Program
FTA	Federal Transit Administration
FTIP	Federal Transportation Improvement Program
FWG	Freight Working Group
FY	Fiscal Year

G

GARVEE	Grant Anticipation Revenue Vehicle
GHG	Greenhouse Gas
GIS	Geographic Information System

H

HBRR	Highway Bridge Repair and Replacement (TEA-21)
HCD	Housing and Community Development
HES	Hazard Elimination Safety
HIRE	Hiring Incentives to Restore Employment
HOV	High Occupancy Vehicle
HPMS	Highway Performance Monitoring System
HPP	High Priority Program
HRCSA	Highway-Railroad Crossing Safety Account
HRRR	High Risk Rural Roads
HSIP	Highway Safety Improvement Program
HUD	Housing and Urban Development

I

ICMI	Integrated Corridor Management Initiative
IIP	Interregional Improvement Program
IM	Interstate Maintenance
IRR	Indian Reservation Road
ITOC	Independent Taxpayer Oversight Committee
ITS	Intelligent Transportation System

J

JARC	Job Access Reverse Commute
JTOC	Joint Transportation Operations Center

L

LB RSA	Local Bridge Seismic Retrofit Account (State Prop. 1B)
LIM	Low Income/Minority
LOS	Level of Service
LOSSAN	Los Angeles to San Diego (Rail Corridor Agency)

M

MAP-21	Moving Ahead for Progress in the 21 st Century
MGR A	Master Geographic Reference Areas
MPO	Metropolitan Planning Organization
MTS	Metropolitan Transit System

N

NAAQS	National Ambient Air Quality Standards
NCI	Non Capacity Increasing
NCTD	North County Transit District
NEPA	National Environmental Protection Act
NHS	National Highway System
NOx	Nitrogen Oxide

P

P/PE	Preliminary Engineering Phase
PADT	Person Average Daily Traffic
PLH	Public Lands Highway
PM	Particulate Matter
POF	Plan of Finance
POP	Program of Projects
PPEI	Peak-Period Exposure Index
PPNO	Programming Project Number (Caltrans)
PPP	Public Participation Plan
PTA	Public Transportation Account
PTMISEA	Public Transportation Modernization, Improvement, and Service Enhancement Account

R

RAQS	Regional Air Quality Strategy
RAS	Regional Arterial System
RCP	Regional Comprehensive Plan
RHNA	Regional Housing Needs Assessment
RHWG	Regional Housing Working Group
RIP	Regional Improvement Program
ROG	Reactive Organic Gas
ROW	Right-of-Way
RSTP	Regional Surface Transportation Program
RTC	Regional Transportation Commission
RTCIP	Regional Transportation Congestion Improvement Program
RTIP	Regional Transportation Improvement Program
RTP	Regional Transportation Plan or Recreational Trails Program
RTPA	Regional Transportation Planning Agency

S

SAFETEA-LU	Safe, Accountable, Flexible, and Efficient Transportation Equity Act: A Legacy for Users
SANDAG	San Diego Association of Governments
SANTEC	San Diego Regional Traffic Engineers' Council
SB	Senate Bill
SCAT	Subcommittee for Accessible Transportation
SD&AE	San Diego and Arizona Eastern Railway
SHA	State Highway Account
SHOPP	State Highway Operation and Protection Program
SIP	State Implementation Plan (for air quality)
SLPP	State-Local Partnership Program
SOV	Single Occupancy Vehicle
SR	State Route (as in SR 52 - State Route 52)
SR2S	Safe Routes to School Program (federal)
SS	Senior Services
STA	State Transit Assistance
STIP	State Transportation Improvement Program
STIP-IIP	State Transportation Improvement Program – Interregional Improvement Program
STIP-RIP	State Transportation Improvement Program – Regional Improvement Program
STP	Surface Transportation Program
SWG	Stakeholder's Working Group (Regional Planning)

T

T-1	Transportation T-tactic: Ridesharing
T-2	Transportation T-tactic: Transit
T-3	Transportation T-tactic: Bicycle
T-4	Transportation T-tactic: Traffic Improvement
TAZ	Traffic Analysis Zone
TAP	Transit Access Point

TCI	Transit Capital Improvement
TCIF	Trade Corridor Improvement Fund
TCM	Transportation Control Measure
TCRP	Traffic Congestion Relief Program
TCSP	Transportation, Community, and Systems Preservation
TDA	Transportation Development Act
TDM	Transportation Demand Management
TE	Transportation Enhancement
TEA-21	Transportation Equity Act for the 21 st Century
TIF	Transportation Investment Fund
TIGER	Transportation Investment Generating Economic Recovery
TIP	Transportation Improvement Program
TMA	Transportation Management Area
TPEC	Transportation Project Evaluation Criteria
<i>TransNet</i>	San Diego Region Half-Cent Local Transportation Sales Tax Program
TSGP	Transit Security Grant Program
TLSP	Traffic Light Synchronization Program (State Prop. 1B)
TSM	Traffic Systems Management
TWG	Technical Working Group

U

UCSD	University of California – San Diego
UTC	University Town Center

V

VMT	Vehicle Miles of Travel
VOC	Volatile Organic Compounds