




COMMITTEE TRANSMITTAL

September 23, 2019

To: Members of the Board of Directors
From:  Laurena Weinert, Clerk of the Board
Subject: 2020 State Transportation Improvement Program

Regional Planning and Highways Committee Meeting of September 5, 2019

Present: Directors Delgleize, Muller, M. Murphy, R. Murphy, and Pulido
Absent: Directors Bartlett and Chaffee

Committee Vote

This item was passed by the Members present.

Director Pulido was not present to vote on this item.

Committee Recommendations

- A. Approve the 2020 State Transportation Improvement Program submittal to program \$203.645 million to seven projects, from fiscal year 2020-21 through fiscal year 2024-25.
- B. Authorize the use of up to \$40.512 million in Surface Transportation Block Grant funds, \$92.328 million in Measure M2 funds, and \$44.791 million in SB 1 (Chapter 5, Statutes of 2017) Local Partnership Program funds for the 2020 State Transportation Improvement Program projects.
- C. Authorize staff to make all necessary amendments to the State Transportation Improvement Program and the Federal Transportation Improvement Program, as well as execute any necessary agreements to facilitate the recommendations above.



September 5, 2019

To: Regional Planning and Highways Committee

From: Darrell E. Johnson, Chief Executive Officer

A handwritten signature in black ink, appearing to read "Darrell E. Johnson", is written over the printed name.

Subject: 2020 State Transportation Improvement Program

Overview

Every two years, the Orange County Transportation Authority prepares a program of projects for state funding through the State Transportation Improvement Program. Program recommendations are presented for the Board of Directors' consideration and approval. These recommendations are consistent with programming policies approved by the Board of Directors.

Recommendations

- A. Approve the 2020 State Transportation Improvement Program submittal to program \$203.645 million to seven projects, from fiscal year 2020-21 through fiscal year 2024-25.
- B. Authorize the use of up to \$40.512 million in Surface Transportation Block Grant funds, \$92.328 million in Measure M2 funds, and \$44.791 million in SB 1 (Chapter 5, Statutes of 2017) Local Partnership Program funds for the 2020 State Transportation Improvement Program projects.
- C. Authorize staff to make all necessary amendments to the State Transportation Improvement Program and the Federal Transportation Improvement Program, as well as execute any necessary agreements to facilitate the recommendations above.

Background

The State Transportation Improvement Program (STIP) is a major source of funding for transportation improvements throughout the State of California. Every two years, state and federal transportation revenues are forecasted and programmed for the subsequent five-year period.

The Orange County Transportation Authority (OCTA) is responsible for the development and programming of the STIP, which is submitted to the California Transportation Commission (CTC) for approval and adoption. OCTA dedicates STIP funds for use on projects of countywide significance, consistent with the Board of Directors' (Board) adoption of the Capital Programming Policies (CPP).

Every STIP cycle includes a fund estimate (FE), which determines funding shares for each county. For the 2020 STIP, the FE determined that Orange County's new capacity would be \$6.960 million. On August 12, 2019, the OCTA Board received the 2020 STIP overview as an information item that provided more detail regarding the funding share for Orange County. As noted in the 2020 STIP Overview Board item, the diminished STIP will require significant modifications to existing projects. Additionally, CTC staff has indicated that the CTC would likely be unable to allow funding advancement of existing projects.

Discussion

Due to the CTC's extremely limited ability to advance funding into earlier years, the overall strategy is to fund priority projects utilizing local funds in order to keep projects on schedule such as the Interstate 5 (I-5) Improvement Project from Alicia Parkway to El Toro Road (Segment 3). This I-5 Improvement Project is programmed to receive STIP funds in fiscal year (FY) 2022-23, but will be ready to advertise for construction in FY 2019-20. To delay the project to align with the STIP programming year would be costly and problematic as the other two segments (from State Route 73 {SR-73} to Alicia Parkway) have proceeded to construction. OCTA is proposing to request \$80 million in STIP funds authorized for the State Route 55 (SR-55) Improvement Project from Interstate 405 (I-405) to I-5 as early as possible by requesting to advance those funds from FY 2021-22 to FY 2020-21. By delaying most of the other funding in the STIP to later years, it provides CTC the option to potentially approve this advancement for the SR-55 Improvement Project.

OCTA is further proposing to maximize the use of other state, federal, and Measure M2 (M2) funds for those projects which are ready to proceed or are prioritized in later years. The STIP dollars made available in later years will be applied to upcoming M2 projects, such as the construction phase of the I-5 Improvement Project from I-405 to Yale Avenue (Segment 1), and the Interstate 605 (I-605) Katella Avenue Interchange Project.

OCTA staff is recommending the following changes to the 2020 STIP:

STIP Projects (\$000)	2018 Amount	2020 Amount
Carry Over Projects		
SR-55 Improvements from I-405 to I-5	\$80,000	\$80,000
I-5 Improvements from SR-73 to El Toro Road (replacement planting/landscaping)	\$6,000	\$6,000
Planning, Programming, and Monitoring	\$3,696	\$5,267
New Additions		
I-5 Improvements from I-405 to Yale Avenue (Segment 1) (Construction Phase)	\$0	\$95,338
State Route 74 Ortega Highway Improvements – Calle Entradero to City/County Line	\$0	\$8,540
I-5 Improvements from Avenida Pico to San Diego County Line	\$0	\$5,500
I-605 Katella Avenue Interchange	\$0	\$3,000
Locally-Funded with M2 and Other State Funding		
I-5 Improvements from Alicia Parkway to El Toro Road (Segment 3)	\$69,911	\$0
I-5 Improvements from I-405 to SR-55 (Segments 1 and 2 [Design Phase])	\$12,628	\$0
Seek Future Funding		
State Route 57 Truck Climbing Lane Phase II – Lambert Road to County Line	\$4,050	\$0
Total	\$176,285	\$203,645

The total funding available in the 2020 STIP is made up from the projects programmed in the prior 2018 STIP (\$176.285 million), plus Orange County's new STIP capacity (\$6.960 million). Per the STIP FE, the CTC may approve and program STIP funding above the targets up to the STIP maximum. OCTA staff will be requesting \$20.400 million over the STIP target, which results in a total STIP request of \$203.645 million. If approved, the \$20.400 million will be an advance from the next 2022 STIP cycle and taken out of the 2022 FE. A map, which includes the 2020 STIP, is provided as Attachment A. Attachment B provides a brief description of each project and details of the funding changes. Attachment C provides a table that depicts the projects prepared for the 2020 STIP.

In order to program any phase of work in the STIP, that particular phase must be fully funded. Staff is proposing to fully fund all phases programmed by using a combination of federal Surface Transportation Block Grant (STBG [\$40.512 million]), state SB 1 Local Partnership Program (LPP [\$44.791 million]), and M2 (\$92.328 million). Additional details on how this funding is programmed to each project is provided in Attachment B. The use of federal STBG and state SB 1 LPP funds for these projects is consistent with the CPP, which prioritizes state and federal funds to fulfill commitments to Next 10 projects first. SB 1 LPP is subject to CTC approval. Additionally, the use of M2 funds is consistent with the CPP regarding the use of M2 funds for Next 10 projects.

It is possible that CTC staff may request changes due to revised funding capacity or timing constraints related to the state and federal funding. Adjustments to the recommended program may be necessary, and staff will continue to work with the CTC, the California Department of Transportation (Caltrans), and other appropriate agencies to ensure the projects continue to move toward the 2020 STIP adoption by spring 2020. Staff will keep the Board apprised if material changes are necessary.

Attachment D provides the updated Capital Funding Plan, which includes recommended changes pending approval by the Board on September 23, 2019, and also by the CTC, which is anticipated in March 2020.

Additionally, OCTA staff has had discussions with Caltrans Division of Mass Transit and has requested they consider the Orange Olive Wye Connection Project for \$16 million for Interregional Transportation Improvement Program funding. Attachment B provides additional project information.

Next Steps

With Board approval, staff will finalize and submit the 2020 STIP to the Southern California Association of Governments by September 24, 2019, and then to the CTC by December 15, 2019. The CTC will hold public hearings on the proposed 2020 STIP on January 30, 2020, in Northern California and on February 6, 2020, in Southern California. The CTC is expected to adopt the program on March 25-26, 2020. A 2020 STIP development schedule is included as Attachment E.

Summary

OCTA is responsible for the development and programming of the STIP for Orange County. OCTA is proposing to submit seven projects for \$203.645 million in STIP for FY 2020-21 through FY 2024-25. The use of STIP funds for these projects supplements the local M2 Program and will provide a range of benefits to all of Orange County.

Attachments

- A. OCTA 2020 State Transportation Improvement Program, Proposed Projects
- B. Orange County Transportation Authority, 2020 State Transportation Improvement Program, Project Descriptions and Programming Information
- C. Funding Plan for 2020 STIP-Recommended Projects
- D. Capital Funding Program Report
- E. 2020 STIP Development Schedule

Prepared by:

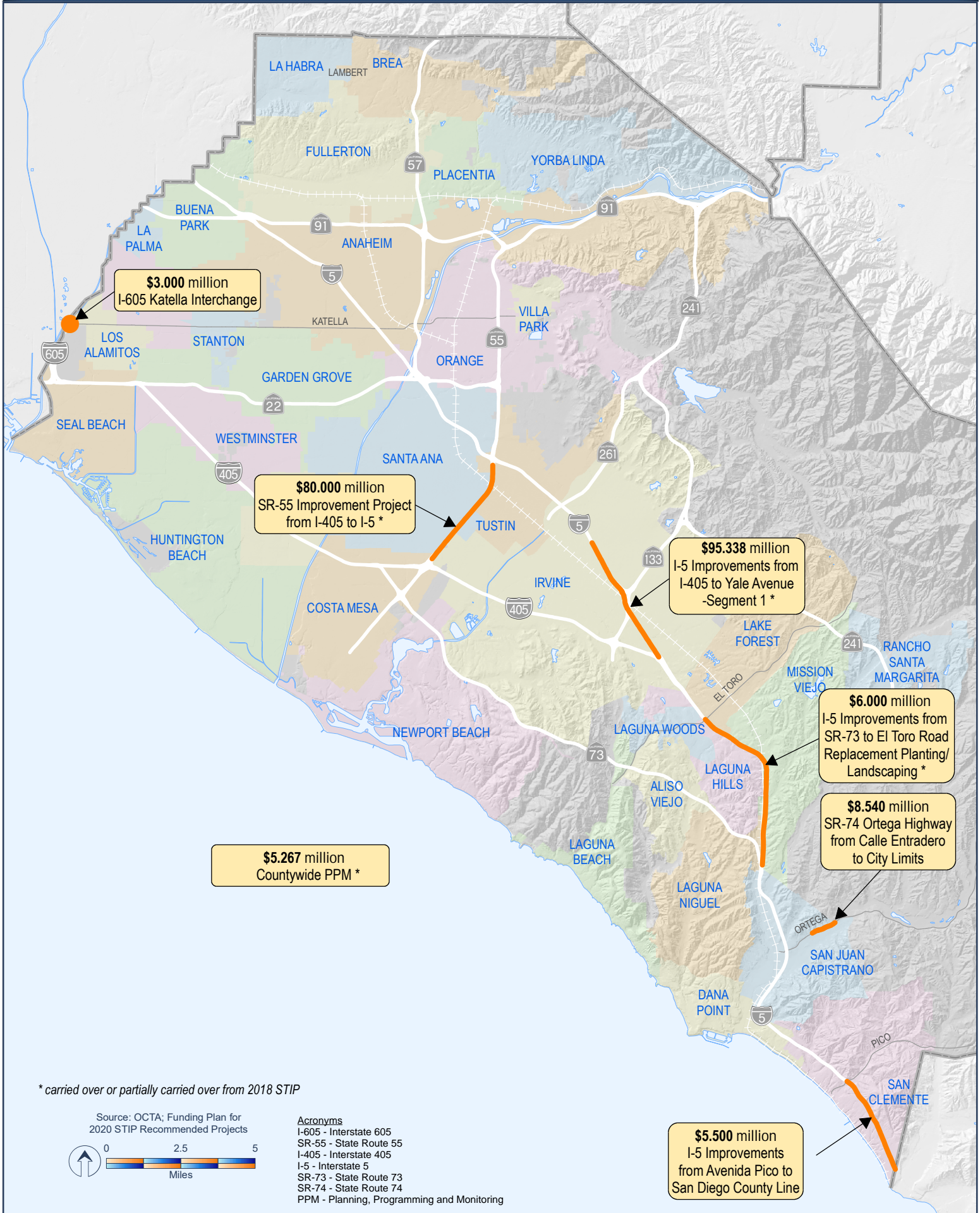


Ben Ku
Section Manager II
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Approved by:



Kia Mortazavi
Executive Director, Planning
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* carried over or partially carried over from 2018 STIP

Source: OCTA; Funding Plan for 2020 STIP Recommended Projects



Acronyms

- I-605 - Interstate 605
- SR-55 - State Route 55
- I-405 - Interstate 405
- I-5 - Interstate 5
- SR-73 - State Route 73
- SR-74 - State Route 74
- PPM - Planning, Programming and Monitoring

**Orange County Transportation Authority
2020 State Transportation Improvement Program
Project Descriptions and Programming Information**

Carryover Projects

State Route 55 (SR-55) Improvement Project from Interstate 405 (I-405) to Interstate 5 (I-5)

This project will add new high-occupancy vehicle (HOV), general-purpose and auxiliary lanes on SR-55 between the I-405 and the I-5 connectors to increase freeway capacity and reduce congestion in central Orange County areas. The project is located in the cities of Irvine, Santa Ana, and Tustin.

Future traffic demand is anticipated to increase traffic volumes to levels that will increase traffic congestion, increase travel delays, and reduce travel speeds. It is anticipated that without additional major capital improvements, the level of service (LOS) for the majority of the study area in the northbound and southbound directions would be unacceptable during AM and PM peak periods.

The Orange County Transportation Authority (OCTA) will seek approval to advance the \$80 million in State Transportation Improvement Program (STIP) funds from fiscal year (FY) 2021-22 to FY 2020-21. The project is a high priority for OCTA and Project F in the Next 10 Delivery Plan.

Staff will negotiate with the California Transportation Commission (CTC) to advance the project based on OCTA's request to delay \$86.589 million in STIP, which is derived from:

- \$69.911 million – I-5 improvements from Alicia Parkway to El Toro Road (Segment 3),
- \$4.050 million – State Route 57 (SR-57) Truck Climbing Lane Phase II – Lambert Road to the County line,
- \$12.628 million – design phase of the I-5 improvements from I-405 to SR-55.

While OCTA is requesting that CTC allow the advancement of STIP funds into FY 2020-21, the funding amounts and sources are not changing. The existing funding is depicted in the table below.

Existing Funding (\$000s)	STIP	SHOPP	STBG	OCTA M2	CMAQ	INFRA/SCCP/ Other	TOTAL
Environmental		\$ 200		\$ 6,332			\$ 6,532
Design		\$ 3,500	\$ 17,000	\$ 1,539			\$ 22,039
Right-of-Way		\$ 27,200	\$ 63,450	\$ 50,899	\$ 20,000		\$ 161,549
Construction	\$ 80,000	\$ 15,900		\$ 51,557	\$ 3,355	\$ 75,000	\$ 225,812
Total	\$ 80,000	\$ 46,800	\$ 80,450	\$ 110,327	\$ 23,355	\$ 75,000	\$ 415,932

SHOPP – State Highway Operation and Protection Program
STBG – Surface Transportation Block Grant
M2 – Measure M2

CMAQ – Congestion Mitigation Air Quality
INFRA – Infrastructure for Rebuilding America
SCCP – Solutions for Congested Corridors Program

**Orange County Transportation Authority
2020 State Transportation Improvement Program
Project Descriptions and Programming Information**

I-5 Improvements from State Route 73 (SR-73) to El Toro Road (Replacement Planting/Landscaping)

This is an existing 2020 STIP project and based on updated schedules, staff is recommending delaying the \$6 million in STIP funding from FY 2022-23 to FY 2024-25. The delay in STIP funding is consistent with the current schedule. This is part of Project C in the Next 10 Delivery Plan and is the replacement planting/landscaping component of the three segments of the I-5 Improvement Project from SR-73 to El Toro Road.

Existing funding level is depicted below.

Existing Funding (\$000s)	STIP	OCTA M2	TOTAL
Environmental	\$ -	\$ -	\$ -
Design	\$ 650	\$ 400	\$ 1,050
Right-of-Way	\$ 50		\$ 50
Construction	\$ 5,300	\$ 5,845	\$ 11,145
Total	\$ 6,000	\$ 6,245	\$ 12,245

Planning, Programming, and Monitoring (PPM)

Orange County is impacted by severe congestion on many regional and interregional facilities. Examination of the problem and potential solutions are necessary for the future construction of improvements. STIP funds will be used to develop project study reports and provide environmental clearance for projects, thus creating a shelf of projects for the future. CTC sets aside five percent of the STIP for regional agencies to carry out planning activities.

OCTA is requesting the set aside of \$5.267 million in STIP PPM to support consultants and staff in developing the Long-Range Transportation Plan and multimodal strategies to address the short- and long-term transportation needs for Orange County and regional connections, and to guide the expenditure of federal, state, and local transportation funds. These funds will be spread out over the five-year period and will support multiple planning projects.

New Additions

I-5 Improvements from I-405 to SR-55 (Segments 1 and 2)

This project will add one general-purpose lane in both directions of the I-5 from the I-405 to SR-55. Additional features of the project include improvements to various interchanges. Auxiliary lanes will be added in some segments and re-established in others within the project limits. The overall project length is approximately nine miles.

**Orange County Transportation Authority
2020 State Transportation Improvement Program
Project Descriptions and Programming Information**

Currently, this segment of the I-5 corridor is experiencing congestion and long traffic delays due to demand exceeding capacity, primarily resulting from local, regional, and interregional traffic demand. In addition, forecasted local and regional traffic demand is expected to increase by over 10,000 vehicles per day by the year 2040. This is Project B in the Next 10 Plan.

Due to the inability to advance the project's STIP funding for the design phase of the projects from FY 2022-23 to FY 2020-21, staff is recommending redirecting \$12.628 million in STIP funds programmed to the design phase in FY 2022-23 to the construction phase in FY 2023-24. Additionally, the project will be segmented into two sections, I-5 from I-405 to Yale Avenue (Segment 1) and I-5 from Yale Avenue to SR-55 (Segment 2). Staff is recommending Board of Directors (Board) approval to fund the design, right-of-way, and construction phases of Segment 1, with an additional \$40.512 million in STBG funds, \$44.791 million in SB 1 (Chapter 5, Statutes of 2017) Local Partnership Program (LPP) funds, and an additional \$22.417 million in M2 (M2) funds. Staff will return to the Board with a funding plan for Segment 2 at a future meeting.

Existing and proposed funding levels are depicted below.

Existing Funding (\$000s)	STIP	STBG	LPP	OCTA M2	TOTAL
Environmental		\$ 8,000			\$ 8,000
Design	\$ 12,628	\$ 7,372		\$ 5,000	\$ 25,000
Right-of-Way					
Construction					
Total	\$ 12,628	\$ 15,372		\$ 5,000	\$ 33,000

Proposed Funding for Segment 1 (\$000s)	STIP	STBG	LPP	OCTA M2	TOTAL
Environmental		\$ 8,000			\$ 8,000
Design	-		\$ 14,791	-	\$ 14,791
Right-of-Way		\$ 27,459		\$ 6,729	\$ 34,188
Construction	\$ 95,338	\$ 20,425	\$ 30,000	\$ 20,688	\$ 116,451
Total	\$ 95,338	\$ 55,884	\$ 44,791	\$ 27,417	\$ 223,430
Change	\$ 82,710	\$ 40,512	\$ 44,791	\$ 22,417	\$ 190,430

State Route 74 (SR-74) Ortega Highway Improvements – Calle Entradero to the City/ County Line

This project will widen SR-74/Ortega Highway from two to four lanes by adding one lane in each direction in the City of San Juan Capistrano from Calle Entradero to the City/ County line.

**Orange County Transportation Authority
2020 State Transportation Improvement Program
Project Descriptions and Programming Information**

This is a new project proposed in the 2020 STIP, and staff is recommending \$8.540 million for the design phase in FY 2024-25. This is an important project for the region and one of the most heavily utilized local roads in the area. Currently, the existing traffic demand exceeds traffic capacity and operates at a LOS E, and will operate at LOS F in the year 2025. It has also received funding in the past through M2 Project O – Regional Capacity Program. The M2 Ordinance requires OCTA to seek out state and federal funds that could support projects in place of M2 funds.

Proposed funding levels are depicted below.

Proposed Funding (\$000s)	STIP	TOTAL
Design	\$ 8,540	\$ 8,540
Total	\$ 8,540	\$ 8,540

I-5 Improvement from Avenida Pico to the San Diego County Line

STIP funds are proposed for the environmental phase of the I-5 Improvement Project from Avenida Pico to the San Diego County line, which proposes to add a general-purpose or a managed lane in each direction on the I-5, reestablish existing auxiliary lanes, widen existing undercrossings, and replace existing overcrossings.

Staff is recommending \$5.5 million for the design phase in FY 2023-24. This is adjacent and complementary to Project C in the Next 10 Delivery Plan.

Existing and proposed funding levels are depicted below.

Existing Funding (\$000s)	CMAQ	STBG	STIP	TOTAL
Environmental	\$ 450	\$ 121		\$ 571
Design				
Project Management				
Total	\$ 450	\$ 121		\$ 571

Proposed Funding (\$000s)	CMAQ	STBG	STIP	TOTAL
Environmental	\$ 450	\$ 121		\$ 571
Design			\$ 5,500	\$ 5,500
Project Management				
Total	\$ 450	\$ 121	\$ 5,500	\$ 6,071
Change	\$ -	\$ -	\$ 5,500	\$ 5,500

Interstate 605 (I-605) Katella Avenue Interchange

The I-605 and Katella Avenue Interchange Project will improve freeway access, traffic operations, enhance safety, and improve pedestrian and bicycle facilities. Staff is recommending \$3 million for the design phase in FY 2024-25. This is Project M in the Next 10 Delivery Plan.

Existing and proposed funding levels are depicted below.

**Orange County Transportation Authority
2020 State Transportation Improvement Program
Project Descriptions and Programming Information**

Existing Funding (\$000s)	STIP	OCTA M2	TOTAL
Environmental		\$ 1,824	\$ 1,824
Design			
Total		\$ 1,824	\$ 1,824

Proposed Funding (\$000s)	STIP	OCTA M2	TOTAL
Environmental		\$ 1,824	\$ 1,824
Design	\$ 3,000		\$ 3,000
Total	\$ 3,000	\$ 1,824	\$ 4,824
Change	\$ 3,000	\$ -	\$ 3,000

Locally Funded with M2 and State Funds

I-5 Widening from Alicia Parkway to El Toro Road (Segment 3)

The project will add one general-purpose lane on I-5 in each direction between Alicia Parkway and El Toro Road (approximately 1.7 miles), extend the second HOV lane in both directions, and add auxiliary lanes where needed. The additional lane will increase capacity and improve mainline congestion on I-5 from Alicia Parkway and El Toro Road. This is Project C in the Next 10 Plan. Under current traffic conditions, substantial congestion is experienced, and this project will help alleviate congestion and provide air quality benefits.

This project is expected to be ready to list STIP funding to FY 2019-20 from FY 2022-23. Staff is recommending the \$69.911 million in STIP funds be removed from the project and the funds be redirected to projects, which are anticipated to be delivered in the last two years of the 2020 STIP cycle. Staff is recommending Board approval to use \$69.911 million in M2 in place of the STIP funds.

Existing and proposed funding levels are depicted below.

Existing Funding (\$000s)	STIP	SB 1 Local Partnership	OCTA M2	STBG	TOTAL
Environmental			\$ 181	\$ 1,666	\$ 1,847
Design			\$ 1,387	\$ 8,044	\$ 9,431
Right-of-Way			\$ 17,623	\$ 9,419	\$ 27,042
Construction	\$ 69,911	\$ 9,388	\$ 31,093	\$ 30,768	\$ 141,160
Total	\$ 69,911	\$ 9,388	\$ 50,284	\$ 49,897	\$ 179,480

Proposed Funding (\$000s)	STIP	SB 1 Local Partnership	OCTA M2	STBG	TOTAL
Environmental			\$ 181	\$ 1,666	\$ 1,847
Design			\$ 1,387	\$ 8,044	\$ 9,431
Right-of-Way			\$ 17,623	\$ 9,419	\$ 27,042
Construction		\$ 9,388	\$ 101,004	\$ 30,768	\$ 141,160
Total	-	\$ 9,388	\$ 120,195	\$ 49,897	\$ 179,480
Change	\$ (69,911)	-	\$ 69,911	-	-

**Orange County Transportation Authority
2020 State Transportation Improvement Program
Project Descriptions and Programming Information**

Seek Future Funding

SR-57 Truck Climbing Lane Phase II – Lambert Road to County Line

STIP funding was proposed for the project approval and environmental document phase of this project that would have constructed a truck climbing lane on the SR-57 from the Lambert Road undercrossing to just north of the Orange County/Los Angeles County line. A climbing lane would improve truck traffic travel speeds and would increase the throughput of the northbound SR-57. This project is Project G in the Next 10 Plan.

Due to the diminished STIP capacity and the need to focus on high-priority projects staff is recommending the \$4.05 million in STIP funds be removed and reprogrammed to higher priority projects. Staff will recommend a funding plan for this project at a later date.

Interregional Transportation Improvement Program Project

Orange Olive Wye Connection Project

This project will convert the existing uncontrolled Orange Wye into a fully controlled track at the junction of the Orange Subdivision and the Olive Subdivision, maintained by Southern California Regional Rail Authority, owned by OCTA, and located in the City of Orange. A private grade crossing would also be improved to have automatic warning devices.

This is an ITIP project and OCTA has requested the California Department of Transportation Division of Mass Transit consider this project for their submittal.

Proposed funding levels are depicted below.

Proposed Funding (\$000s)	STIP - ITIP	TOTAL
Environmental		
Design	\$ 1,600	\$ 1,600
Right-of-Way		
Construction	\$ 14,400	\$ 14,400
Total	\$ 16,000	\$ 16,000

Funding Plan for 2020 STIP-Recommended Projects											Other Funding										
2020 STIP (In Thousands)	Prior	2020-21	2021-22	2022-23	2023-24	2024-25	Total STIP	STIP Funding				Other Funding									
								STBG/CMAQ Approval	STBG/CMAQ Pending Approval	M2	M2 Pending Approval	Other ¹	Total Project Cost								
Carry Over Projects																					
SR-55 Improvement Project from I-405 to I-5		80,000					80,000	103,805			110,327				121,800		415,932				
I-5 Improvements from SR-73 to El Toro Road (replacement planting/landscaping)						6,000	6,000				6,245						12,245				
Planning, Programming, and Monitoring			1,848	1,848	515	1,056	5,267										5,267				
New Additions																					
I-5 Improvements from I-405 to Yale Avenue-Segment 1 (Con)					95,338		95,338	15,372			5,000		40,512		44,791		223,430				
SR-74 Ortega Highway Improvements - Calle Entradero to City/County Line (PS&E)						8,540	8,540										8,540				
I-5 Improvements from Avenida Pico to San Diego County Line (ENV)					5,500		5,500	571									6,071				
I-605 Katella Interchange (PS&E)						3,000	3,000				1,824						4,824				
2020 STIP subtotal		80,000	1,848	1,848	101,353	18,596	203,645	119,748	40,512	123,396	22,417	166,591	676,309								
Removed from the STIP																					
Locally Funded with M2																					
I-5 Improvements from Alicia Parkway to El Toro Road (Segment 3)								49,897			50,284			9,388			179,480				
Subtotal Removed from STIP								49,897			50,284			9,388			179,480				
Total		80,000	1,848	1,848	101,353	18,596	203,645	169,645	40,512	173,680	92,328	175,979	855,789								

1. Other funds include \$44,791 million in pending SB 1 (Chapter 5, Statutes 2017) Local Partnership Program (LPP) formula, \$46.8 million in State Highway Operations and Protection Program, \$75 million in unfunded need, and \$9,388 million in approved LPP funds.

Acronyms
 STIP - State Transportation Improvement Program
 CTC - California Transportation Commission
 STBG - Surface Transportation Block Grant Program
 CMAQ - Congestion Mitigation and Air Quality
 M2 - Measure M2
 SR-55 - State Route 55
 I-405 - Interstate 405

I-5 - Interstate 5
 SR-73 - State Route 73
 SR-74 - State Route 74
 CON - Construction
 PS&E - Plans, Specifications, and Engineering
 ENV - Environmental



Capital Funding Program Report

Pending Board of Directors (Board) Approval - September 9, 2019

State Highway Project

Project Title	M Code	Total Funding	State Funds		Federal Funds		Local Funds		
			STIP/Other	State Bonds	RSTP/CMAQ	Other Fed.	M1	M2	Local - Other
I-5 from SR-55 to SR-57, add one HOV lane each direction	A	\$39,052			\$33,743			\$5,309	
I-5 Widening from I-405 to SR-55 (Env. Phase) ⁴	B	\$8,000			\$8,000				
I-5 Widening from I-405 to Yale Avenue (Segment 1) ^{1,2,4}	B	\$215,430	\$140,129		\$47,884			\$27,417	
I-5 from SR-73 to El Toro Road landscaping/replacement planting ¹	C	\$12,245	\$6,000					\$6,245	
I-5 widening (Alicia to El Toro) Segment 3 ²	C	\$179,480	\$9,388		\$49,897			\$120,195	
I-5 widening (Oso to Alicia) Segment 2	C	\$205,695			\$47,676	\$7,921		\$150,098	
I-5 widening (SR-73 to Oso) Segment 1	C	\$213,267	\$91,977	\$29,832	\$28,167	\$6,433		\$56,858	
I-5 at Los Alisos / El Toro: add ramps	D	\$4,400			\$4,400				
SR-55 (I-5 to SR-91)	F	\$5,000			\$5,000				
SR-55 Widening from I-405 to I-5 ^{1,3}	F	\$340,932	\$80,000		\$103,805	\$46,800		\$110,327	
SR-57 Orangewood to Katella	G	\$2,500			\$2,500				
SR-91 (SR-57 to SR-55) operational improvements	I	\$9,000			\$7,000			\$2,000	
I-405 from SR-73 to I-605 improvements	K	\$1,900,000	\$82,000	\$7,771	\$35,000	\$10,648		\$1,135,651	\$628,930
I-405 (I-5 to SR-55)	L	\$8,000			\$8,000				
I-405 s/b aux lane - University to Sand Canyon and Sand Canyon to SR-133	L	\$2,328	\$2,328						
I-605/ Katella Avenue interchange ¹	M	\$4,824	\$3,000					\$1,824	
241/91 Express Lanes (HOT) connector		\$33,728							\$33,728
I-5 Improvement from Avenida Pico to San Diego County Line ^{1,2}		\$6,071	\$5,500		\$571				
SR-74 Ortega Highway Improvements from Calle Entradero to City/County line ^{1,5}		\$8,540	\$8,540						
SR-74 widening, City/County line to Antonio Parkway		\$40,905	\$10,000		\$5,285				\$25,620
State Highway Project Totals		\$3,239,397	\$438,862	\$37,603	\$386,928	\$71,802		\$1,615,924	\$688,278
State Funding Total		\$476,465							
Federal Funding Total		\$458,730							
Local Funding Total		\$2,304,202							
Total Funding (000's)		\$3,239,397							

State Highway Project Completed

Project Title	M Code	Total Funding	State Funds		Federal Funds		Local Funds		
			STIP/Other	State Bonds	RSTP/CMAQ	Other Fed.	M1	M2	Local - Other
I-5 HOV lane each direction s/o PCH to San Juan Creek Road	C	\$70,658		\$20,789	\$11,796			\$38,073	
I-5 HOV lanes from s/o Avenida Vista Hermosa to s/o PCH	C	\$71,100	\$46,779		\$13,472			\$10,849	
I-5 HOV lanes: s/o Avenida Pico to s/o Vista Hermosa	C	\$90,441	\$43,735		\$31,741	\$1,600		\$13,365	
I-5/SR-74 interchange improvements	D	\$80,300	\$48,683	\$24,109			\$2,500		\$5,008
I-5/SR-74 interchange landscaping/replacement planting	D	\$1,440	\$688			\$752			
SR- 57 n/b widening, Katella Avenue to Lincoln Avenue - landscaping	G	\$2,172						\$2,172	
SR- 57 n/b widening, SR-91 to Yorba Linda Boulevard - landscaping	G	\$946						\$946	
SR-57 n/b widening, Yorba Linda to Lambert Road - landscaping	G	\$1,193						\$1,193	



Capital Funding Program Report

State Highway Project Completed

Project Title	M Code	Total Funding	State Funds		Federal Funds		Local Funds		
			STIP/Other	State Bonds	RSTP/CMAQ	Other Fed.	M1	M2	Local - Other
SR-91 w/b connect existing aux lanes, I-5 to SR-57	H	\$62,977		\$27,227				\$35,750	
SR-91 w/b connecting existing aux lanes, I-5 to SR-57 - landscaping	H	\$2,290						\$2,290	
SR-91 w/b (SR-55 - Tustin interchange) improvements	I	\$43,753	\$15,753	\$14,000				\$14,000	
SR-91 e/b widening, SR-241 to SR-71	J	\$57,773				\$45,911		\$6,942	\$4,920
SR-91 w/b Routes 91/55 - e/o Weir replacement planting	J	\$2,898	\$2,898						
SR-91 widening, SR-55 to Gypsum Canyon (Weir/SR-241)	J	\$76,993	\$22,250	\$54,045				\$698	
SR-57 n/b widening, Katella Avenue to Lincoln Avenue	M1/G	\$35,827		\$24,127				\$11,700	
SR-57 n/b widening, SR-91 to Yorba Linda Boulevard	M1/G	\$51,354		\$39,475				\$11,879	
SR-57 n/b widening, Yorba Linda to Lambert Road	M1/G	\$52,871		\$41,250				\$11,621	
I-405/SR-22/I-605 HOV connector - landscaping		\$4,600			\$4,600				
HOV connectors from I-405 and I-605	M1	\$173,091		\$135,430	\$14,787		\$16,200		\$6,674
HOV connectors from SR-22 to I-405	M1	\$115,878			\$64,375	\$49,625	\$1,878		
State Highway Project Totals		\$998,555	\$180,786	\$380,452	\$140,771	\$97,888	\$20,578	\$161,478	\$16,602

State Funding Total	\$561,238
Federal Funding Total	\$238,659
Local Funding Total	\$198,658
Total Funding (000's)	\$998,555

Acronyms

Aux - Auxilliary
 CMAQ - Congestion Mitigation Air Quality Improvement Program
 FY - Fiscal Year
 HOT - High-Occupancy Toll
 HOV - High-Occupancy Vehicle
 Hwy - Highway
 I-405 - Interstate 405
 I-5 - Interstate 5
 I-605 - Interstate 605
 LA - Los Angeles
 M1 - Measure M1
 M2 - Measure M2
 N/B - Northbound
 OC - Orange County
 OCTA - Orange County Transportation Authority

PCH - Pacific Coast Highway
 RSTP - Regional Surface Transportation Program
 S/O - South of
 S/B - Southbound
 SR-133 - State Route 133
 SR-241 - State Route 241
 SR-55 - State Route 55
 SR-57 - State Route 57
 SR-71 - State Route 71
 SR-73 - State Route 73
 SR-74 - State Route 74
 SR-90 - State Route 90
 SR-91 - State Route 91
 SS - Southside
 STIP - State Transportation Improvement Program
 W/B - Westbound

Board Action:

1. Approve the 2020 State Transportation Improvement Program submittal to program \$203.645 million to seven projects, from fiscal year 2020-21 through fiscal year 2024-25.
2. Authorize the use of up to \$40.512 million in Surface Transportation Block Grant funds, \$92.328 million in Measure M2 funds, and \$44.791 million in SB 1 (Chapter 5, Statutes of 2017) Local Partnership Program funds for the 2020 State Transportation Improvement Program projects.

Project Notes:

3. Project has unfunded need of \$75 million. Staff will return to the Board with a funding plan at a later date.

Project Updates:

4. I-5, I-405 to SR-55 (M2 Project B) split into two segments. Environmental funding for entire project listed separately.
5. Project funding updated to reflect latest funding schedule.

The SR-57 truck climbing lane project - Lambert to LA County line (M2 Project G) has been removed from this report consistent with the removal of funding in the staff report. Staff will recommend a funding plan for this project at a later date.



Capital Funding Program Report

Pending Board of Directors (Board) Approval - September 9, 2019

Rail Project

Project Title	M Code	Total Funding	State Funds		Federal Funds		Local Funds		
			STIP/Other	State Bonds	RSTP/CMAQ	Other Fed.	M1	M2	Local - Other
Fullerton Transportation Center parking expansion	M1/R	\$33,667	\$11,250	\$11,035			\$9,718		\$1,664
Orange Transportation Center parking structure	M1/R	\$33,175	\$13,762		\$4,073	\$3,298	\$1,850	\$420	\$9,772
Sand Canyon Avenue grade separation	M1/R	\$62,050		\$28,192	\$10,536		\$3,116	\$5,352	\$14,854
OC Streetcar (New Starts)	M1/S	\$407,760	\$25,518		\$54,465	\$162,213		\$165,564	
OC Streetcar preliminary studies and environmental	M1/S	\$7,014				\$341	\$4,977	\$554	\$1,142
Anaheim Canyon Station improvements	R	\$27,906			\$25,413			\$2,000	\$493
Control Point at 4th Street	R	\$2,985				\$2,985			
Future VSS	R	\$217				\$174			\$43
Laguna Niguel to San Juan Capistrano Passing Siding	R	\$34,060	\$3,000	\$6,734	\$22,756	\$1,015			\$555
Metrolink preventive maintenance capitalized operation	R	\$56,874				\$56,874			
Metrolink rehabilitation/renovation - FY 2011-12 to FY 2022-23	R	\$160,962				\$160,962			
Metrolink station and track improvements, and rehabilitation	R	\$2,230				\$1,784			\$446
Orange Olive Wye Connection ¹	R	\$16,000	\$16,000						
Placentia Commuter Rail Station	R	\$34,825	\$2,500	\$400	\$50			\$8,000	\$23,875
Positive Train Control (Metrolink)	R	\$39,916		\$34,190		\$5,726			
San Juan Creek Bridge replacement	R	\$36,018		\$59		\$34,784		\$1,175	
Slope stabilization Laguna Niguel-Lake Forest	R	\$5,168				\$4,834		\$334	
State College grade separation (LOSSAN)	R	\$79,284		\$46,000				\$33,284	
Ticket vending machines	R	\$6,857							\$6,857
VSS at Commuter Rail Stations	R	\$4,409		\$56		\$3,594			\$759
M2 Project S Transit extensions to Metrolink (Rubber Tire)	S	\$733						\$733	
Rail Project Totals		\$1,052,110	\$72,030	\$126,666	\$117,293	\$438,584	\$19,661	\$217,416	\$60,460
State Funding Total		\$198,696							
Federal Funding Total		\$555,877							
Local Funding Total		\$297,537							
Total Funding (000's)		\$1,052,110							

Rail Project Completed

Project Title	M Code	Total Funding	State Funds		Federal Funds		Local Funds		
			STIP/Other	State Bonds	RSTP/CMAQ	Other Fed.	M1	M2	Local - Other
Laguna Niguel-Mission Viejo Station parking improvements and expansion (ADA ramps)	M1/R	\$5,177			\$2,800	\$732	\$1,645		
Metrolink Grade Crossing Safety Improvements (OCX)	M1/R	\$80,618		\$18,250			\$7,600	\$30,710	\$24,058
Metrolink rolling stock	M1/R	\$158,009		\$36,300	\$42,230	\$35,390	\$44,089		
Metrolink Service Track Expansion	M1/R	\$119,957		\$51,399			\$68,558		
M2 Project S Fixed-Guideway Anaheim Rapid Connection	M1/S	\$9,924				\$1,516	\$6,000	\$1,286	\$1,122
Anaheim Regional Intermodal Transportation Center (ARTIC) construction	M1/T	\$184,164	\$29,219		\$33,250	\$40,754	\$43,900	\$35,291	\$1,750
Fullerton Transportation Station expansion planning, environmental PSR	M1/T	\$0			\$0		\$0		
Santa Ana grade separation planning and environmental PSR	M1/T	\$1,333			\$1,180		\$153		



Capital Funding Program Report

Rail Project Completed

Project Title	M Code	Total Funding	State Funds		Federal Funds		Local Funds		
			STIP/Other	State Bonds	RSTP/CMAQ	Other Fed.	M1	M2	Local - Other
Santa Ana Transportation Station planning and environmental PSR	M1/T	\$1,003			\$888		\$115		
17th Street grade separation environmental	R	\$2,476						\$2,476	
Control Point Stadium Crossover	R	\$6,490		\$3,245		\$3,245			
LOSSAN Corridor grade separations PSR in Anaheim, Orange, and Santa Ana	R	\$2,699						\$2,699	
Metrolink grade crossing safety improvements ROW	R	\$3,025						\$3,025	
North Beach crossings safety enhancements	R	\$348		\$166				\$182	
Rail Crossing signal lights and pedestrian gates	R	\$252		\$252					
Rail Station Platform safety improvements (Fullerton, Irvine, and Tustin)	R	\$553		\$553					
Safety repairs for San Clemente Pier Station	R	\$122		\$122					
San Clemente Beach Trail Crossings safety enhancements	R	\$4,999		\$2,170				\$2,251	\$578
Transit Rail Security (monitors, fencing, video surveillance)	R	\$163		\$163					
Go Local	S	\$7,730					\$7,730		
ARTIC environmental, ROW, program management support, site plan	M1	\$41,369					\$8,869		\$32,500
Fiber Optics installation (Metrolink)	M1	\$23,183		\$10,479		\$10,903	\$1,801		
Laguna Niguel-Mission Viejo Station parking expansion (south lot)	M1	\$4,135		\$695			\$3,440		
Tustin Rail Station parking expansion	M1	\$15,390	\$1,100	\$7,181			\$7,109		
Rail Project Totals		\$673,119	\$30,319	\$130,975	\$80,348	\$92,540	\$201,009	\$77,920	\$60,008

State Funding Total	\$161,294
Federal Funding Total	\$172,888
Local Funding Total	\$338,937
Total Funding (000's)	\$673,119

Project Updates:

1. The Orange Olive Wye was submitted for consideration of ITIP funding.

Acronyms:

- M Code - Project Codes in Measure M1 and M2
- STIP - State Transportation Improvement Program
- RSTP - Regional Surface Transportation Program
- CMAQ - Congestion Mitigation and Air Quality Improvement Program
- M1 - Measure M1
- M2 - Measure M2
- PSR - Project Study Report
- LOSSAN - Los Angeles-San Diego-San Luis Obispo Rail Corridor
- OCX - Rail-Highway Grade Crossing/Safety Enhancement Project
- ROW - Right-of-Way
- FTA - Federal Transit Administration
- OCTA - Orange County Transportation Authority
- ADA - Americans with Disabilities Act
- TSSSDRA - Transit System Safety, Security and Disaster Response Account

2020 STIP Development Schedule

- September 5, 2019 - Present to the Orange County Transportation Authority (OCTA) Regional Planning and Highway Committee the State Transportation Improvement Program (STIP)/Regional Transportation Improvement Program (RTIP).
- September 9, 2019 - Present to OCTA Board of Directors the STIP/RTIP item for approval.
- September 24, 2019 - OCTA STIP/RTIP projects submitted to the Southern California Association of Governments for regional modeling analysis.
- By October 1, 2019 - The California Department of Transportation (Caltrans) submits the final draft Interregional Transportation Improvement Program (ITIP).
- October 8, 2019 - California Transportation Commission (CTC) Interregional Transportation Improvement Program (ITIP) hearing - North.
- October 15, 2019 - CTC ITIP hearing – South.
- December 15, 2019 - STIP/RTIP submittal due to CTC.
- December 15, 2019 - Caltrans ITIP submittal due to CTC.
- January 30, 2020 - CTC STIP hearing – North.
- February 6, 2020 - CTC STIP hearing – South.
- February 28, 2020 - CTC publishes staff recommendations.
- March 25-26, 2020 - CTC adopts STIP.