



# **AGENDA**

## ***Executive Committee Meeting***

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### **Committee Members**

Steve Jones, Chairman  
Andrew Do, Vice Chairman  
Laurie Davies  
Michael Hennessey  
Mark A. Murphy  
Tim Shaw

Orange County Transportation Authority  
Headquarters  
550 South Main Street  
Board Room - Conf. Room 07  
Orange, California  
**Monday, February 3, 2020 at 9:00 a.m.**

Any person with a disability who requires a modification or accommodation in order to participate in this meeting should contact the OCTA Clerk of the Board, telephone (714) 560-5676, no less than two (2) business days prior to this meeting to enable OCTA to make reasonable arrangements to assure accessibility to this meeting.

Agenda descriptions are intended to give members of the public a general summary of items of business to be transacted or discussed. The posting of the recommended actions does not indicate what action will be taken. The Committee may take any action which it deems to be appropriate on the agenda item and is not limited in any way by the notice of the recommended action.

All documents relative to the items referenced in this agenda are available for public inspection at [www.octa.net](http://www.octa.net) or through the Clerk of the Board's office at the OCTA Headquarters, 600 South Main Street, Orange, California.

### **Call to Order**

### **Pledge of Allegiance**

Director Davies

### **1. Public Comments**



## **Special Calendar**

### **2. Committee Meeting 2020 Schedule**

Steve Jones, Chairman

#### **Overview**

Chairman Jones will lead a discussion regarding the 2020 meeting schedule for the Executive Committee. The proposed 2020 dates and time for this Committee is provided in Attachment A.

#### **Recommendation**

Approve the 2020 Executive Committee meeting dates and time schedule.

### **3. Roles and Responsibilities of the Executive Committee**

Darrell E. Johnson

#### **Overview**

Roles and responsibilities for the Executive Committee are reviewed periodically for any appropriate changes or additions. These roles and responsibilities are presented for discussion in Attachment A.

#### **Recommendation**

Approve the 2020 Executive Committee Roles and Responsibilities.

## **Consent Calendar (Item 4)**

All items on the Consent Calendar are to be approved in one motion unless a Committee Member or a member of the public requests separate action or discussion on a specific item.

### **4. Approval of Minutes**

Approval of the minutes of the Executive Committee meeting of November 4, 2019.



## **Regular Calendar**

### **5. Second Quarter Fiscal Year 2019-20 Capital Action Plan and Performance Metrics Report**

James G. Beil

#### **Overview**

Staff has prepared a quarterly progress report on capital project delivery for the period of October 2019 through December 2019, for review by the Orange County Transportation Authority Board of Directors. This report highlights the Capital Action Plan for project delivery which is used as a performance metric to assess delivery progress on highway, transit, and rail projects.

#### **Recommendation**

Receive and file as an information item.

## **Discussion Items**

### **6. Chief Executive Officer's Report**

### **7. Committee Members' Reports**

### **8. Closed Session**

There are no Closed Session items scheduled.

### **9. Adjournment**

The next regularly scheduled meeting of this Committee will be held at **9:00 a.m. on Monday, March 2, 2020**, at the Orange County Transportation Authority Headquarters, 550 South Main Street, Board Room - Conference Room 07, Orange, California.



# ORANGE COUNTY TRANSPORTATION AUTHORITY

2020 Executive Committee Meetings

**DRAFT**  
02.03.20

JANUARY						
SUN	MON	TUE	WED	THU	FRI	SAT
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

FEBRUARY						
SUN	MON	TUE	WED	THU	FRI	SAT
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29

MARCH						
SUN	MON	TUE	WED	THU	FRI	SAT
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

APRIL						
SUN	MON	TUE	WED	THU	FRI	SAT
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

MAY						
SUN	MON	TUE	WED	THU	FRI	SAT
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

JUNE						
SUN	MON	TUE	WED	THU	FRI	SAT
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

JULY						
SUN	MON	TUE	WED	THU	FRI	SAT
			1	2	3	4
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19	20	21	22	23	24	25
26	27	28	29	30	31	

AUGUST						
SUN	MON	TUE	WED	THU	FRI	SAT
						1
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9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

SEPTEMBER						
SUN	MON	TUE	WED	THU	FRI	SAT
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

OCTOBER						
SUN	MON	TUE	WED	THU	FRI	SAT
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

NOVEMBER						
SUN	MON	TUE	WED	THU	FRI	SAT
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

DECEMBER						
SUN	MON	TUE	WED	THU	FRI	SAT
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

OCTA, OCTD, OCLTA, and OCSAFE regular Board meeting  
9:00 a.m., OCTA Headquarters  
550 South Main Street, Board Room - Conf. Room 07-08, Orange CA

EXEC  
9:00 a.m.

OCTA Holidays

**Proposed  
Roles and Responsibilities  
of the Board Committees for 2020  
(02.03.20)**

**Executive Committee**

- Acts as the principal forum at which the Chairman and Vice Chairman of the Board of Directors discuss areas of interest with the Chairs of the respective OCTA Board Committees;
- Develops new policy and strategy recommendations for the Board of Directors that have broad-based implications to the OCTA;
- Reviews policy issues as deemed necessary by the Chairman of the Board of Directors;
- Monitors the OCTA's overall activities, including the operation of the Chief Executive Office;
- Develops policy recommendations for the Board of Directors with respect to the implementation of Measure M2; and
- Addresses safety, security, cyber security, and emergency management issues as needed; and
- Reviews and provides recommendations to the Board of Directors regarding administrative policies and procedures that impact the Board of Directors.



# MINUTES

## *Executive Committee Meeting*

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### **Committee Members Present**

Tim Shaw, Chairman  
Steve Jones, Vice Chairman  
Laurie Davies  
Michael Hennessey  
Mark A. Murphy

### **Staff Present**

Darrell E. Johnson, Chief Executive Officer  
Ken Phipps, Deputy Chief Executive Officer  
Laurena Weinert, Clerk of the Board  
Olga Prado, Assistant Clerk of the Board  
James Donich, General Counsel  
OCTA Staff and Members of the General Public

### **Committee Members Absent**

Lisa A. Bartlett  
Andrew Do

## **Call to Order**

The November 4, 2019 regular meeting of the Executive Committee was called to order by Chairman Shaw at 9:04 a.m.

## **Pledge of Allegiance**

Vice Chairman Jones led in the Pledge of Allegiance.

### **1. Public Comments**

There were no public comments.

## **Special Calendar**

There were no Special Calendar matters.

## **Consent Calendar (Item 2)**

### **2. Approval of Minutes**

A motion was made by Director Davies, seconded by Director M. Murphy, and declared passed by those present, to approve the minutes of the Executive Committee meeting of October 7, 2019.



### Regular Calendar

#### 3. Measure M2 2019 Update: Next 10 Delivery Plan

Tami Warren, Measure M2 (M2) Manager, Program Management Office, provided a PowerPoint presentation for this item as follows:

- M2 – Balanced Plan Which Supports Sustainability;
- M2 Delivery Plan – Goals;
- Next 10 Delivery Plan – 2026;
- M2 Sales Tax Revenue Forecast;
- Freeway Deliverable Breakdown;
- M2 Program Cash Balance;
- Next 10 Plan Progress; and
- Next Steps.

A discussion ensued regarding:

- Project D, Interstate 5 El Toro Road Interchange, environmental document could be completed in 2020. However, the project, moving forward, depends on many factors that were highlighted.
- M2's original forecast was \$24.3 billion, decreased to \$13.1 billion, and now is \$13.4 billion.
- Some takeaways are as follows:
  - Orange County Transportation Authority (OCTA) also obtained state and federal funds;
  - Metrolink's Southern California Optimized Rail Expansion Program will help deliver Metrolink service in Orange County;
  - Many M2 programs are scalable in size;
  - When M2 revenues increase, the programs increase;
  - OCTA could provide additional formula-based dollars for calls for project, etcetera, as M2 revenues increase.
  - Currently, the national economy and jobs are strong.
- Andrew Oftelie, Chief Financial Officer, stated the recent increase in M2 revenues is due to the *South Dakota v. Wayfair, Inc.*, case decision that requires online retailers to remit sales tax.



# **MINUTES**

## ***Executive Committee Meeting***

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### **3. (Continued)**

A motion was made by Director Davies, seconded by Director M. Murphy, and declared passed by those present, to:

- A. Adopt the 2019 Measure M2 Next 10 Delivery Plan with updated financial assumptions.
- B. Direct staff to continue to monitor revenue and project cost impacts that could affect the delivery plan and return to the Board of Directors with changes if necessary.

### **4. Capital Programs Division - First Quarter Fiscal Year 2019-20 Capital Action Plan Performance Metrics**

James G. Beil, Executive Director of Capital Programs, reported on the first quarter fiscal year 2019-20 Capital Action Plan Performance Metrics and highlighted Attachment B of the Staff Report.

A discussion ensued regarding the Placentia Metrolink Station project as follows:

- The construction phase of the station is dependent on BNSF Railway and Metrolink coming to terms with a shared-use agreement.
- Four county commissions also are involved with approving the capacity enhancements.
- To simplify the complex shared-use agreement process, legal from Metrolink and OCTA will negotiate with BNSF Railway.
- Concerns that one of the commissions may not agree, which is not likely.

No action was taken on this receive and file information item.

## **Discussion Items**

### **5. Chief Executive Officer's Report**

Darrell E. Johnson, Chief Executive Officer, reported that OCTA's annual Veterans Appreciation Event is as follows:

- Will take place at 2:00 p.m. on Thursday, November 7<sup>th</sup> at the Garden Grove Bus Base.
- The event honors OCTA employees who served in the United States Armed Forces, as well as recognizes employees who have a child or grandchild in the military.
- The Committee Members were invited to participate in the event.





# **MINUTES**

## ***Executive Committee Meeting***

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### **6. Committee Members' Report**

There were no Committee Members' reports.

### **7. Closed Session**

There were no Closed Session items scheduled.

### **8. Adjournment**

The Executive Committee meeting adjourned at 9:35 a.m.

The next regularly scheduled meeting of this Committee will be held at **9:00 a.m. on Monday, December 2, 2019**, at the OCTA Headquarters, 550 South Main Street, Board Room – Conference Room 07, Orange, California.

ATTEST

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Laurena Weinert  
Clerk of the Board

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Tim Shaw  
Chairman



**February 3, 2020**

**To:** Executive Committee

**From:** Darrell E. Johnson, Chief Executive Officer

**Subject:** Second Quarter Fiscal Year 2019-20 Capital Action Plan and Performance Metrics Report

### **Overview**

Staff has prepared a quarterly progress report on capital project delivery for the period of October 2019 through December 2019, for review by the Orange County Transportation Authority Board of Directors. This report highlights the Capital Action Plan for project delivery which is used as a performance metric to assess delivery progress on highway, transit, and rail projects.

### **Recommendation**

Receive and file as an information item.

### **Background**

The Orange County Transportation Authority (OCTA) delivers highway, transit, rail, and facility projects from the beginning of the environmental approval phase through construction completion. Project delivery milestones are planned carefully with consideration of project scope, costs, schedule, and assessment of risks. The milestones reflected in the Capital Action Plan (CAP) are OCTA's planned and budgeted major project delivery commitments.

This report is a quarterly progress report on the CAP performance metrics, which are a snapshot of the planned CAP project delivery milestones in the budgeted fiscal year (FY).

### **Discussion**

OCTA's objective is to deliver projects on schedule and within the approved project budget. Key project cost and schedule commitments are captured in the CAP, which is regularly updated with project status and any new

projects (Attachment A). The CAP is categorized into four key project groupings; freeway projects, railroad grade separation projects, and rail and station projects. Schedule milestones are used as performance indicators of progress in project delivery. The CAP performance metrics provides a FY snapshot of the milestones targeted for delivery in the budgeted FY, and provides transparency and performance measurement of capital project delivery.

The CAP project costs represent the total cost across all phases of project delivery, including support costs, and right-of-way (ROW) and construction capital costs. Baseline costs, if established, are shown in comparison to either the actual or forecast cost. Baseline costs may be shown as to-be-determined (TBD) if project scoping studies and estimates have not been developed or approved, and may be updated as delivery progresses and milestones are achieved. Projects identified in the Orange County local transportation sales tax Measure M2 (M2) are identified with the corresponding M2 project letter. The CAP status update is also included in the M2 Quarterly Report.

The CAP summarizes the very complex capital project critical path delivery schedules into eight key milestones.

Begin Environmental	The date work on the environmental clearance, project report, or preliminary engineering phase begins.
Complete Environmental	The date environmental clearance and project approval is achieved.
Begin Design	The date final design work begins, or the date when a design-build contract begins.
Complete Design	The date final design work is 100 percent complete and approved.
Construction Ready	The date contract bid documents are ready for advertisement, including certification of ROW, all agreements executed, and contract constraints cleared.
Advertise for Construction	The date a construction contract is advertised for bids.
Award Contract	The date the construction contract is awarded.

**Construction Complete**

The date all construction work is completed, and the project is open to public use.

These delivery milestones reflect progression across the project delivery phases shown below.



Project schedules reflect planned baseline milestone dates in comparison to forecast or actual milestone dates. Milestone dates may be shown as TBD if project scoping or approval documents have not been finalized and approved, or if the delivery schedule has not been negotiated with a partnering agency or consultant implementing the specific phase of a project. Planned milestone dates can be revised to reflect new dates from approved baseline schedule changes. Project schedules are reviewed monthly, and milestone achievements and updated forecast dates are included to reflect project delivery status.

Status on the Interstate 405 (I-405) Improvement Project and the OC Streetcar Project are provided to the OCTA Board of Directors (Board) separately on a quarterly basis.

CAP milestones achieved in the second quarter FY 2019-20 include:

**Freeway Projects**

- The Interstate 5 (I-5) widening between State Route 73 (SR-73) and Oso Parkway construction contract was awarded to Ortiz Enterprises, Inc., of Irvine, California. This is the southernmost of three segments of I-5 widening between SR-73 and El Toro Road, and the second to enter the construction phase. The construction contract was approved by the California Department of Transportation (Caltrans) on January 15, 2020, and construction on this southerly segment should begin in March 2020. The middle segment from Oso Parkway to Alicia Parkway is currently under construction. The third and final northerly segment from Alicia Parkway to El Toro Road is planned to be advertised for construction bids in June 2020.

The following CAP milestone missed the planned delivery through the second quarter of FY 2019-20:

The begin environmental milestone for the Orange County Metrolink Maintenance Facility (OCMF) was not achieved. Negotiations with OCTA's consultant on the level of effort, cost, and schedule required to environmentally

clear this complex project have taken longer than anticipated. However, on November 25, 2019, the OCTA Board approved a cooperative agreement with the Southern California Regional Rail Authority for its oversight efforts of the OCMF preliminary engineering and environmental documentation. Environmental clearance work will kick off in the third quarter of the current FY.

The complete environmental milestone for the I-5 El Toro interchange project is delayed. The key stakeholder cities of Laguna Hills, Laguna Woods, and Lake Forest do not concur with project alternatives that were released for public comment. Discussions on a path forward with the three cities are ongoing, and a new environmental completion schedule has not been established.

The complete design, construction ready, and advertise construction milestones for the Anaheim Canyon Metrolink Station expansion project were not achieved. OCTA's design consultant is late in addressing the final City of Anaheim plan check comments, and discussions with adjacent private property owners for construction vehicle access into the access-constrained railroad ROW continue. The complete design milestone will be met in the third quarter, and pending resolution of the ROW construction access issue, the construction ready and advertise construction milestones can be met in the third or fourth quarter of the current FY.

The construction ready milestone for the I-5 widening from Alicia Parkway to El Toro Road was not achieved due to delays securing ROW required for construction. The remaining eminent domain resolution of necessity finding will be scheduled for the March 2020 California Transportation Commission. Both the construction ready and advertise construction milestones are now planned in the fourth quarter this FY. The award contract milestone will move into the first quarter of FY 2020-21.

#### **CAP Updates and Recap of FY 2019-20 Performance Metrics**

The performance metrics snapshot provided at the beginning of FY 2019-20 reflects 19 planned major project delivery milestones to be accomplished, eight of which were scheduled through the second quarter. The CAP and performance metrics have been updated to reflect both milestones achieved and missed through the second quarter of the FY (Attachment B).

Two of eight (25 percent) of planned milestones through the second quarter of the FY were achieved. Five of the six missed milestones to date are still planned to be achieved in the current FY.

**FY 2019-20 Performance Metrics Look Ahead Risks**

The complete environmental milestone for the I-5 widening from I-405 to State Route 55 (SR-55) planned in the third quarter may be slightly delayed because of late reviews and comments from Caltrans on the Design Standard Decision Document (DSDD), which documents and approves exceptions to mandatory and advisory design standards. Final resolution of comments and approval of the DSDD is required to complete the environmental milestone.

The complete environmental milestone for the SR-55 widening from I-5 to State Route 91 planned in the fourth quarter is likely to be delayed. The Federal Highway Administration has informed Caltrans it will no longer be signing project air quality conformity determinations or approve Regional Transportation Plan or Federal Transportation Improvement Program amendments. Therefore, Caltrans will not be able to approve the project's National Environmental Policy Act environmental clearance documents. This stems from the recent National Highway Traffic Safety Administration and the United States Environmental Protection Agency issuance of Part One of the Safer Affordable Fuel Efficient Vehicles Rule which revoked California's Clean Air Act pre-emption waiver, effective November 26, 2019.

Final design and ROW acquisition are underway for the SR-55 widening from I-405 to I-5. OCTA's design consultant recently took over Caltrans' obligation to prepare the DSDD, which includes fact sheets for exceptions to mandatory and advisory design standards for Caltrans approval. In addition, Caltrans completed a review of the draft final design and has submitted new comments which could possibly impact the final design. The comments are being assessed and responses prepared for Caltrans consideration. These issues carry risk in achieving completion of design in the fourth quarter of the current FY.

The Placentia Metrolink Station construction ready, advertise construction, and award contract milestones planned this FY are being delayed. Final BNSF Railway (BNSF) approvals and authorizations are dependent on the successful negotiation and approval of a new Shared Use Agreement (SUA) between Metrolink and BNSF. Progress on the SUA has been slow; however, a non-binding memorandum of understanding (MOU) between Metrolink and BNSF was executed in November 2019, defining general terms to advance the SUA. The MOU enables OCTA and BNSF to complete all tasks necessary to finalize the project for construction while the final SUA is prepared. Per the MOU, construction cannot begin until the SUA is executed by all Metrolink member agencies. Construction cost changes, along with any required programming or funding changes, will be brought to the OCTA Board when BNSF construction costs are finalized, and the SUA approval schedule becomes apparent.

***Summary***

Capital project delivery is progressing and reflected in the CAP. The planned FY 2019-20 performance metrics created from forecast project schedules will be used as a general project delivery performance indicator throughout the FY. Staff will continue to manage project costs and schedules across all project phases to meet project delivery commitments and report quarterly.

***Attachments***

- A. Capital Action Plan, Status Through December 2019
- B. Capital Programs Division, Fiscal Year 2019-20 Performance Metrics Through December 2019

**Prepared by:**


















James G. Beil, P.E.  
Executive Director, Capital Programs  
(714) 560-5646

# Capital Action Plan

Status Through December 2019

Updated: January 20, 2020

















Capital Projects	Cost Baseline/Forecast	Schedule Plan/Forecast							
		Begin Environmental	Complete Environmental	Begin Design	Complete Design	Construction Ready	Advertise Construction	Award Contract	Complete Construction
	(millions)								
<b>Freeway Projects:</b>									
 I-5, Pico to Vista Hermosa	\$113.0	Jun-09	Dec-11	Jun-11	Oct-13	Feb-14	Oct-14	Dec-14	Aug-18
Project C	\$83.5	<b>Jun-09</b>	<b>Oct-11</b>	<b>Jun-11</b>	<b>Oct-13</b>	<b>May-14</b>	<b>Sep-14</b>	<b>Dec-14</b>	<b>Aug-18</b>
 I-5, Vista Hermosa to Pacific Coast Highway	\$75.6	Jun-09	Dec-11	Jun-11	Feb-13	Jun-13	Oct-13	Dec-13	Mar-17
Project C	\$75.6	<b>Jun-09</b>	<b>Oct-11</b>	<b>Jun-11</b>	<b>May-13</b>	<b>Aug-13</b>	<b>Feb-14</b>	<b>Jun-14</b>	<b>Jul-17</b>
 I-5, Pacific Coast Highway to San Juan Creek Road	\$70.7	Jun-09	Dec-11	Jun-11	Jan-13	May-13	Aug-13	Oct-13	Sep-16
Project C	\$75.5	<b>Jun-09</b>	<b>Oct-11</b>	<b>Jun-11</b>	<b>Jan-13</b>	<b>Apr-13</b>	<b>Aug-13</b>	<b>Dec-13</b>	<b>Jul-18</b>
 I-5, I-5/Ortega Interchange	\$90.9	Sep-05	Jun-09	Jan-09	Nov-11	Mar-12	Jun-12	Aug-12	Sep-15
Project D	\$79.8	<b>Sep-05</b>	<b>Jun-09</b>	<b>Jan-09</b>	<b>Dec-11</b>	<b>Apr-12</b>	<b>Jun-12</b>	<b>Aug-12</b>	<b>Jan-16</b>
 I-5, I-5/Ortega Interchange (Landscape)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Project D	N/A	N/A	N/A	<b>Jan-14</b>	<b>Oct-14</b>	<b>Feb-15</b>	<b>Aug-15</b>	<b>Sep-15</b>	<b>Sep-16</b>
 I-5, SR-73 to Oso Parkway	\$151.9	Sep-11	Jun-14	Mar-15	Jan-18	May-18	Aug-18	Dec-18	Jan-24
Project C & D	\$196.1	<b>Oct-11</b>	<b>May-14</b>	<b>Mar-15</b>	<b>Aug-18</b>	<b>May-19</b>	<b>Aug-19</b>	<b>Dec-19</b>	Mar-25
 I-5, Oso Parkway to Alicia Parkway	\$196.2	Sep-11	Jun-14	Nov-14	Jun-17	Dec-17	Feb-18	Jun-18	Nov-23
Project C & D	\$203.1	<b>Oct-11</b>	<b>May-14</b>	<b>Nov-14</b>	<b>Dec-17</b>	<b>Jun-18</b>	<b>Nov-18</b>	<b>Mar-19</b>	Nov-23
 I-5, Alicia Parkway to El Toro Road	\$133.6	Sep-11	Jun-14	Mar-15	Jun-18	Dec-18	Jan-19	May-19	Jun-23
Project C <b>Cost/Schedule Risk</b>	\$184.1	<b>Oct-11</b>	<b>May-14</b>	<b>Mar-15</b>	<b>May-19</b>	<b>Apr-20</b>	<b>Jun-20</b>	<b>Oct-20</b>	<b>Oct-24</b>
I-5, SR-73 to El Toro Road (Landscape)	TBD	N/A	N/A	TBD	TBD	TBD	TBD	TBD	TBD
Project C	\$12.4	N/A	N/A	Jul-22	Mar-24	Jul-24	Sep-24	Nov-24	Jun-26
 I-5, I-5/El Toro Road Interchange (on hold)	TBD	Apr-17	Nov-19	TBD	TBD	TBD	TBD	TBD	TBD
Project D <b>Cost/Schedule Risk</b>	TBD	<b>Apr-17</b>	TBD	TBD	TBD	TBD	TBD	TBD	TBD
 I-5, I-405 to SR-55	TBD	May-14	Aug-18	TBD	TBD	TBD	TBD	TBD	TBD
Project B	TBD	<b>May-14</b>	Jan-20	TBD	TBD	TBD	TBD	TBD	TBD
 I-5, SR-55 to SR-57	\$38.1	Jul-11	Jun-13	Jun-15	Mar-17	Jul-17	Sep-17	Dec-17	Apr-21
Project A	\$41.5	<b>Jun-11</b>	<b>Apr-15</b>	<b>Jun-15</b>	<b>Jun-17</b>	<b>Dec-17</b>	<b>Mar-18</b>	<b>Nov-18</b>	Apr-21
 SR-55, I-405 to I-5	\$410.9	Feb-11	Nov-13	Sep-17	Apr-20	Dec-20	Apr-21	Jul-21	Aug-25
Project F <b>Cost/Schedule Risk</b>	\$410.9	<b>May-11</b>	<b>Aug-17</b>	<b>Sep-17</b>	<b>Apr-20</b>	<b>Dec-20</b>	<b>Apr-21</b>	<b>Jul-21</b>	<b>Aug-25</b>
 SR-55, I-5 to SR-91	TBD	Dec-16	Jan-20	TBD	TBD	TBD	TBD	TBD	TBD
Project F	TBD	<b>Dec-16</b>	Apr-20	TBD	TBD	TBD	TBD	TBD	TBD
 SR-57 Northbound (NB), Orangewood Avenue to Katella Avenue	TBD	Apr-16	Dec-18	TBD	TBD	TBD	TBD	TBD	TBD
Project G	TBD	<b>Apr-16</b>	<b>Mar-19</b>	TBD	TBD	TBD	TBD	TBD	TBD
 SR-57 (NB), Katella Avenue to Lincoln Avenue	\$78.7	Apr-08	Jul-09	Jul-08	Nov-10	Mar-11	May-11	Aug-11	Sep-14
Project G	\$38.0	<b>Apr-08</b>	<b>Nov-09</b>	<b>Aug-08</b>	<b>Dec-10</b>	<b>Apr-11</b>	<b>Jul-11</b>	<b>Oct-11</b>	<b>Apr-15</b>



## Capital Action Plan

Status Through December 2019

Updated: January 20, 2020

	Capital Projects	Cost	Schedule							
		Baseline/Forecast	Plan/Forecast							
		(millions)	Begin Environmental	Complete Environmental	Begin Design	Complete Design	Construction Ready	Advertise Construction	Award Contract	Complete Construction
	SR-57 (NB), Katella Avenue to Lincoln Avenue (Landscape)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Project G	N/A	N/A	N/A	May-09	Jul-10	Jun-17	Jul-17	Sep-17	Jun-18
	SR-57 (NB), Orangethorpe Avenue to Yorba Linda Boulevard	\$80.2	Aug-05	Dec-07	Feb-08	Dec-09	Apr-10	Jun-10	Oct-10	May-14
	Project G	\$52.3	Aug-05	Dec-07	Feb-08	Jul-09	Dec-09	May-10	Oct-10	Nov-14
	SR-57 (NB), Yorba Linda Boulevard to Lambert Road	\$79.3	Aug-05	Dec-07	Feb-08	Dec-09	Apr-10	Jun-10	Oct-10	Sep-14
	Project G	\$54.1	Aug-05	Dec-07	Feb-08	Jul-09	Mar-10	May-10	Oct-10	May-14
	SR-57 (NB), Orangethorpe Avenue to Lambert Road (Landscape)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Project G	N/A	N/A	N/A	Oct-14	Aug-17	Dec-17	Jan-18	Feb-18	Apr-19
	SR-57 (NB), Lambert Road to Tonner Canyon	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
	Project G	TBD	Jul-23	Mar-26	TBD	TBD	TBD	TBD	TBD	TBD
	SR-91 Westbound (WB), I-5 to SR-57	\$78.1	Jul-07	Apr-10	Oct-09	Feb-12	Jul-12	Aug-12	Nov-12	Apr-16
	Project H	\$59.2	Jul-07	Jun-10	Mar-10	Apr-12	Aug-12	Oct-12	Jan-13	Jun-16
	SR-91 Westbound (WB), I-5 to SR-57 (Landscape)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Project H	N/A	N/A	N/A	Nov-14	Aug-16	Dec-16	Feb-17	Mar-17	Nov-17
	SR-91, SR-55 to Lakeview Avenue (Segment 1)	TBD	Jan-15	Oct-18	TBD	TBD	TBD	TBD	TBD	TBD
	Project I	\$102.5	Jan-15	Jun-20	Mar-20	Dec-22	Aug-23	Oct-23	Jan-24	Sep-27
	SR-91, La Palma Avenue to SR-55 (Segment 2)	TBD	Jan-15	Oct-18	TBD	TBD	TBD	TBD	TBD	TBD
	Project I	\$223.1	Jan-15	Jun-20	Jul-20	Mar-23	Oct-23	Dec-23	Apr-24	Nov-27
	SR-91, Acacia Street to La Palma Ave (Segment 3)	TBD	Jan-15	Oct-18	TBD	TBD	TBD	TBD	TBD	TBD
	Project I	\$109.7	Jan-15	Jun-20	Nov-20	Aug-23	Apr-24	Jun-24	Sep-24	May-28
	SR-91 (WB), Tustin Interchange to SR-55	\$49.9	Jul-08	Jul-11	Jul-11	Mar-13	Jul-13	Aug-13	Oct-13	Jul-16
	Project I	\$42.5	Jul-08	May-11	Jun-11	Feb-13	Apr-13	Jun-13	Oct-13	Jul-16
	SR-91, SR-55 to SR-241	\$128.4	Jul-07	Jul-09	Jun-09	Jan-11	Apr-11	Jun-11	Sep-11	Dec-12
	Project J	\$79.7	Jul-07	Apr-09	Apr-09	Aug-10	Dec-10	Feb-11	May-11	Mar-13
	SR-91, SR-55 to SR-241 (Landscape)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Project J	N/A	N/A	N/A	May-12	Feb-13	Apr-13	Jul-13	Oct-13	Feb-15
	SR-91 Eastbound, SR-241 to SR-71	\$104.5	Mar-05	Dec-07	Jul-07	Dec-08	Mar-09	May-09	Jul-09	Nov-10
	Project J	\$57.8	Mar-05	Dec-07	Jul-07	Dec-08	May-09	Jun-09	Aug-09	Jan-11
	91 Express Lanes to SR-241 Toll Connector	TBD	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		TBD	Nov-13	Jan-20	Dec-16	TBD	TBD	TBD	TBD	TBD
	I-405, I-5 to SR-55	TBD	Dec-14	Jul-18	TBD	TBD	TBD	TBD	TBD	TBD
	Project L	TBD	Dec-14	Aug-18	TBD	TBD	TBD	TBD	TBD	TBD
	I-405, SR-55 to I-605 (Design-Build)	\$1,900.0	Mar-09	Mar-13	Mar-14	Nov-15	Feb-16	Mar-16	Nov-16	May-23
	Project K	\$1,900.0	Mar-09	May-15	Mar-14	Nov-15	Feb-16	Mar-16	Nov-16	May-23

## Capital Action Plan

Status Through December 2019





Updated: January 20, 2020

Capital Projects	Cost	Schedule							
	Baseline/Forecast	Plan/Forecast							
	(millions)	Begin Environmental	Complete Environmental	Begin Design	Complete Design	Construction Ready	Advertise Construction	Award Contract	Complete Construction
I-405/SR-22 HOV Connector	\$195.9	N/A	N/A	Sep-07	Sep-09	Mar-10	May-10	Aug-10	Aug-14
	\$120.8	N/A	N/A	Sep-07	Jun-09	Sep-09	Feb-10	Jun-10	Mar-15
I-405/I-605 HOV Connector	\$260.4	N/A	N/A	Sep-07	Sep-09	Mar-10	May-10	Oct-10	Jan-15
	\$172.6	N/A	N/A	Sep-07	Sep-09	Feb-10	May-10	Oct-10	Mar-15
I-405/SR-22/I-605 HOV Connector (Landscape)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	Jun-08	May-09	Feb-16	May-16	Jul-16	Feb-18
I-605, I-605/Katella Interchange	TBD	Aug-16	Nov-18	TBD	TBD	TBD	TBD	TBD	TBD
Project M	TBD	Aug-16	Oct-18	TBD	TBD	TBD	TBD	TBD	TBD
<b>Grade Separation Projects:</b>									
Sand Canyon Avenue Railroad Grade Separation	\$55.6	N/A	Sep-03	Jan-04	Jul-10	Jul-10	Oct-10	Feb-11	May-14
Project R	\$61.9	N/A	Sep-03	Jan-04	Jul-10	Jul-10	Oct-10	Feb-11	Jan-16
Raymond Avenue Railroad Grade Separation	\$77.2	Feb-09	Nov-09	Mar-10	Aug-12	Nov-12	Feb-13	May-13	Aug-18
Project O	\$125.6	Feb-09	Nov-09	Mar-10	Dec-12	Jul-13	Oct-13	Feb-14	May-18
State College Boulevard Railroad Grade Separation (Fullerton)	\$73.6	Dec-08	Jan-11	Jul-06	Aug-12	Nov-12	Feb-13	May-13	May-18
Project O	\$100.3	Dec-08	Apr-11	Jul-06	Feb-13	May-13	Sep-13	Feb-14	Mar-18
Placentia Avenue Railroad Grade Separation	\$78.2	Jan-01	May-01	Jan-09	Mar-10	May-10	Mar-11	Jun-11	Nov-14
Project O	\$64.5	Jan-01	May-01	Jan-09	Jun-10	Jan-11	Mar-11	Jul-11	Dec-14
Kraemer Boulevard Railroad Grade Separation	\$70.4	Jan-01	Sep-09	Jan-09	Jul-10	Jul-10	Apr-11	Aug-11	Oct-14
Project O	\$63.8	Jan-01	Sep-09	Feb-09	Jul-10	Jan-11	Jun-11	Sep-11	Dec-14
Orangethorpe Avenue Railroad Grade Separation	\$117.4	Jan-01	Sep-09	Feb-09	Dec-11	Dec-11	Feb-12	May-12	Sep-16
Project O	\$105.9	Jan-01	Sep-09	Feb-09	Oct-11	Apr-12	Sep-12	Jan-13	Oct-16
Tustin Avenue/Rose Drive Railroad Grade Separation	\$103.0	Jan-01	Sep-09	Feb-09	Dec-11	Mar-12	May-12	Aug-12	May-16
Project O	\$96.7	Jan-01	Sep-09	Feb-09	Jul-11	Jun-12	Oct-12	Feb-13	Oct-16
Lakeview Avenue Railroad Grade Separation	\$70.2	Jan-01	Sep-09	Feb-09	Oct-11	Oct-12	Feb-13	May-13	Mar-17
Project O	\$110.5	Jan-01	Sep-09	Feb-09	Jan-13	Apr-13	Sep-13	Nov-13	Jun-17
17th Street Railroad Grade Separation	TBD	Oct-14	Jun-16	TBD	TBD	TBD	TBD	TBD	TBD
Project R	TBD	Oct-14	Nov-17	TBD	TBD	TBD	TBD	TBD	TBD
<b>Rail and Station Projects:</b>									
Rail-Highway Grade Crossing Safety Enhancement	\$94.4	Jan-08	Oct-08	Jan-08	Sep-08	Sep-08	Sep-08	Aug-09	Dec-11
Project R	\$90.4	Jan-08	Oct-08	Jan-08	Sep-08	Sep-08	Sep-08	Aug-09	Dec-11
San Clemente Beach Trail Safety Enhancements	\$6.0	Sep-10	Jul-11	Feb-12	Apr-12	Apr-12	Jul-12	Oct-12	Jan-14
Project R	\$5.0	Sep-10	Jul-11	Feb-12	Jun-12	Jun-12	Oct-12	May-13	Mar-14
San Juan Capistrano Passing Siding	\$25.3	Aug-11	Jan-13	Mar-15	May-16	May-16	Aug-16	Dec-16	Feb-21
	\$36.4	Aug-11	Mar-14	Mar-15	Aug-18	Aug-18	Aug-18	Mar-19	Feb-21

# Capital Action Plan

Status Through December 2019

Updated: January 20, 2020

Capital Projects	Cost Baseline/Forecast  (millions)	Schedule Plan/Forecast							
		Begin Environmental	Complete Environmental	Begin Design	Complete Design	Construction Ready	Advertise Construction	Award Contract	Complete Construction
 OC Streetcar Project S <b>Cost/Schedule Risk</b>	\$424.4	Aug-09	Mar-12	Feb-16	Sep-17	Oct-17	Dec-17	Aug-18	Dec-21
	\$424.4	<b>Aug-09</b>	<b>Mar-15</b>	<b>Feb-16</b>	<b>Nov-17</b>	<b>Dec-17</b>	<b>Dec-17</b>	<b>Sep-18</b>	<b>Apr-22</b>
 Placentia Metrolink Station and Parking Structure Project R <b>Cost/Schedule Risk</b>	\$34.8	Jan-03	May-07	Oct-08	Jan-11	TBD	TBD	TBD	TBD
	\$40.1	<b>Jan-03</b>	<b>May-07</b>	<b>Oct-08</b>	<b>Feb-11</b>	Jun-20	Jun-20	Oct-20	May-22
 Orange County Maintenance Facility Project R	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
	TBD	Feb-20	Apr-22	TBD	TBD	TBD	TBD	TBD	TBD
Anaheim Canyon Station	\$27.9	Jan-16	Dec-16	Mar-19	May-19	May-19	Jul-19	Nov-19	Mar-21
	\$29.9	<b>Jan-16</b>	<b>Jun-17</b>	<b>Mar-18</b>	<b>Jan-20</b>	<b>Apr-20</b>	<b>Mar-20</b>	<b>Jun-20</b>	<b>Oct-21</b>
Orange Station Parking Expansion	\$33.2	Dec-09	Dec-12	Nov-10	Apr-13	Jul-16	Jul-16	Nov-16	Feb-19
	\$30.9	<b>Dec-09</b>	<b>May-16</b>	<b>Nov-10</b>	<b>Apr-16</b>	<b>Jul-16</b>	<b>Jul-16</b>	<b>Jun-17</b>	<b>Feb-19</b>
Fullerton Transportation Center - Elevator Upgrades	\$3.5	N/A	N/A	Jan-12	Dec-13	Dec-13	Jun-14	Sep-14	Mar-17
	\$4.2	N/A	N/A	<b>Jan-12</b>	<b>Dec-13</b>	<b>Dec-13</b>	<b>Aug-14</b>	<b>Apr-15</b>	<b>May-19</b>
Laguna Niguel/Mission Viejo Station ADA Ramps	\$3.5	Jul-13	Jan-14	Jul-13	Aug-14	Aug-14	Sep-14	Jan-15	Apr-17
	\$5.0	<b>Jul-13</b>	<b>Feb-14</b>	<b>Jul-13</b>	<b>Jul-15</b>	<b>Jul-15</b>	<b>Jul-15</b>	<b>Oct-15</b>	<b>Sep-17</b>
 Anaheim Regional Transportation Intermodal Center Project R & T	\$227.4	Apr-09	Feb-11	Jun-09	Feb-12	Feb-12	May-12	Jul-12	Nov-14
	\$232.2	<b>Apr-09</b>	<b>Feb-12</b>	<b>Jun-09</b>	<b>May-12</b>	<b>May-12</b>	<b>May-12</b>	<b>Sep-12</b>	<b>Dec-14</b>

Note: Costs associated with landscape projects are included in respective freeway projects.

Grey = Milestone achieved

Green = Forecast milestone meets or exceeds plan

Yellow = Forecast milestone is one to three months later than plan

Red = Forecast milestone is over three months later than plan

**Begin Environmental:** The date work on the environmental clearance, project report, or preliminary engineering phase begins.

**Complete Environmental:** The date environmental clearance and project approval is achieved.

**Begin Design:** The date final design work begins, or the date when a design-build contract begins.

**Complete Design:** The date final design work is 100 percent complete and approved.

**Construction Ready:** The date contract bid documents are ready for advertisement, including certification of right-of-way, all agreements executed, contract constraints are cleared.

**Advertise for Construction:** The date a construction contract is both funded and advertised for bids.

**Award Contract:** The date the construction contract is awarded.

**Construction Complete:** The date all construction work is completed and the project is open to public use.

## Acronyms

I-5 - Santa Ana Freeway (Interstate 5)

SR-73 - San Joaquin Freeway (State Route 73)

SR-55 - Costa Mesa Freeway (State Route 55)

SR-57 - Orange Freeway (State Route 57)

SR-91 - Riverside Freeway (State Route 91)

SR-133 - Laguna Freeway (State Route 133)

SR-22 - Garden Grove Freeway (State Route 22)

I-405 - San Diego Freeway (Interstate 405)

SR-241 - Foothill/Eastern Transportation Corridor (State Route 241)

I-605 - San Gabriel River Freeway (Interstate 605)

ADA - Americans with Disabilities Act

## Capital Programs Division

### Fiscal Year 2019-20 Performance Metrics Through December 2019

#### Begin Environmental

Project Description	FY 20 Qtr 1		FY 20 Qtr 2		FY 20 Qtr 3		FY 20 Qtr 4		FY 20 Fcst
	Fcst	Actual	Fcst	Actual	Fcst	Actual	Fcst	Actual	
Orange County Maintenance Facility			X						
Total Forecast/Actual	0	0	1	0	0	0	0	0	1

#### Complete Environmental

Project Description	FY 20 Qtr 1		FY 20 Qtr 2		FY 20 Qtr 3		FY 20 Qtr 4		FY 20 Fcst
	Fcst	Actual	Fcst	Actual	Fcst	Actual	Fcst	Actual	
I-5/EI Toro Road Interchange			X						
I-5, I-405 to SR-55					X				
SR-55, I-5 to SR-91							X		
SR-91, SR-57 to SR-55							X		
Total Forecast/Actual	0	0	1	0	1	0	2	0	4

#### Begin Design

Project Description	FY 20 Qtr 1		FY 20 Qtr 2		FY 20 Qtr 3		FY 20 Qtr 4		FY 20 Fcst
	Fcst	Actual	Fcst	Actual	Fcst	Actual	Fcst	Actual	
SR-91, SR-55 to Lakeview Avenue					X				
Total Forecast/Actual	0	0	0	0	1	0	0	0	1

#### Complete Design

Project Description	FY 20 Qtr 1		FY 20 Qtr 2		FY 20 Qtr 3		FY 20 Qtr 4		FY 20 Fcst
	Fcst	Actual	Fcst	Actual	Fcst	Actual	Fcst	Actual	
Anaheim Canyon Metrolink Station	X								
SR-55, I-405 to I-5							X		
Total Forecast/Actual	1	0	0	0	0	0	1	0	2

#### Construction Ready

Project Description	FY 20 Qtr 1		FY 20 Qtr 2		FY 20 Qtr 3		FY 20 Qtr 4		FY 20 Fcst
	Fcst	Actual	Fcst	Actual	Fcst	Actual	Fcst	Actual	
Anaheim Canyon Metrolink Station			X						
I-5, Alicia Parkway to El Toro Road			X						
Placentia Metrolink Station and Parking Structure					X				
Total Forecast/Actual	0	0	2	0	1	0	0	0	3

#### Advertise Construction

Project Description	FY 20 Qtr 1		FY 20 Qtr 2		FY 20 Qtr 3		FY 20 Qtr 4		FY 20 Fcst
	Fcst	Actual	Fcst	Actual	Fcst	Actual	Fcst	Actual	
I-5, SR-73 to Oso Parkway	X	✓							
Anaheim Canyon Metrolink Station			X						
I-5, Alicia Parkway to El Toro Road					X				
Placentia Metrolink Station and Parking Structure					X				
Total Forecast/Actual	1	1	1	0	2	0	0	0	4

# Capital Programs Division

## Fiscal Year 2019-20 Performance Metrics Through December 2019

### Award Contract

Project Description	FY 20 Qtr 1		FY 20 Qtr 2		FY 20 Qtr 3		FY 20 Qtr 4		FY 20 Fcst
	Fcst	Actual	Fcst	Actual	Fcst	Actual	Fcst	Actual	
I-5, SR-73 to Oso Parkway			X	✔					
Anaheim Canyon Metrolink Station							X		
I-5, Alicia Parkway to El Toro Road							X		
Placentia Metrolink Station and Parking Structure							X		
Total Forecast/Actual	0	0	1	1	0	0	3	0	4

### Complete Construction

Project Description	FY 20 Qtr 1		FY 20 Qtr 2		FY 20 Qtr 3		FY 20 Qtr 4		FY 20 Fcst
	Fcst	Actual	Fcst	Actual	Fcst	Actual	Fcst	Actual	
No "Complete Construction" milestones scheduled for FY 2019-20									
Total Forecast/Actual	0	0	0	0	0	0	0	0	0

Totals	2	1	6	1	5	0	6	0	19
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I-405 - San Diego Freeway (Interstate 405)

SR-241 - Foothill/Eastern Transportation Corridor (State Route 241)

ADA - Americans with Disability Act

HOV - high-occupancy vehicle

X = milestone forecast in quarter

✔ = milestone accomplished in quarter