



# **AGENDA**

## ***Regional Planning and Highways Committee Meeting***

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### **Committee Members**

Mark A. Murphy, Chairman  
Barbara Delgleize, Vice Chair  
Lisa A. Bartlett  
Doug Chaffee  
Joe Muller  
Richard Murphy  
Miguel Pulido

Orange County Transportation Authority  
Headquarters  
550 South Main Street  
Board Room – Conf. Room 07  
Orange, California  
**Monday, May 6, 2019 at 10:30 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**

Committee Vice Chair Delgleize

#### **1. Public Comments**

### **Special Calendar**

There are no Special Calendar matters.

### **Consent Calendar (Items 2 through 5)**

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

Approval of the minutes of the Regional Planning and Highways Committee meeting of April 1, 2019.



**3. Amendment to Cooperative Agreement with the California Department of Transportation for the Interstate 5 Widening Project Between State Route 73 and Oso Parkway**

Hamid Torkamanha/James G. Beil

**Overview**

On October 22, 2018, the Orange County Transportation Authority Board of Directors approved Cooperative Agreement No. C-8-1960 with the California Department of Transportation to implement the construction phase for the Interstate 5 widening project between State Route 73 and Oso Parkway. An amendment to the cooperative agreement is required to modify and increase construction capital funding based on the latest engineering cost estimate.

**Recommendations**

- A. Authorize the Chief Executive Officer to negotiate and execute Amendment No. 1 to Cooperative Agreement No. C-8-1960 between the Orange County Transportation Authority and the California Department of Transportation, to increase construction funding, in the amount of \$9,274,000, for construction of Segment 1 - Interstate 5 widening project between State Route 73 and Oso Parkway. This will increase the maximum obligation of the construction phase of the agreement to a total contract value of \$142,563,000.
- B. Authorize the use of up to \$6,433,000 in Highway Infrastructure Program funds for Segment 1 - Interstate 5 widening project between State Route 73 and Oso Parkway.
- C. Authorize the use of up to \$2,841,000 in Proposition 1B Trade Corridor Improvement Fund project deallocations from the State Route 91 project from Interstate 5 to State Route 57, Tustin Avenue/Rose Drive railroad grade separation, and Orangethorpe Avenue railroad grade separation to Segment 1 - Interstate 5 widening project between State Route 73 and Oso Parkway.
- D. Authorize staff to process all necessary amendments to the Federal Transportation Improvement Program and execute or amend all necessary agreements to facilitate the above recommendations.



**4. Cooperative Agreement with the California Department of Transportation for the State Route 91 Improvement Project Between State Route 57 and State Route 55**

Jeannie Lee/James G. Beil

**Overview**

The Orange County Transportation Authority proposes to enter into a cooperative agreement with the California Department of Transportation to define roles, responsibilities, and funding obligations for the preparation of plans, specifications, and estimates, and advertisement and award of the construction contract for the State Route 91 improvement project between State Route 57 and State Route 55.

**Recommendations**

- A. Authorize the Chief Executive Officer to negotiate and execute Cooperative Agreement No. C-9-1274 between the Orange County Transportation Authority and the California Department of Transportation, in the amount of \$500,000, to provide oversight of the plans, specifications, and estimates, and to advertise and award the construction contract for the State Route 91 improvement project between State Route 57 and State Route 55.
- B. Authorize staff to amend the Federal Transportation Improvement Program and execute all necessary agreements to facilitate the above recommendation.

**5. Amendment to Agreement for Additional Design Services for the Interstate 5 Improvement Project from South of Alicia Parkway to El Toro Road**

Niall Barrett/James G. Beil

**Overview**

On August 11, 2014, the Orange County Transportation Authority Board of Directors approved an agreement with TRC Solutions, Inc., for preparation of plans, specifications, and estimates for the Interstate 5 improvement project from south of Alicia Parkway to El Toro Road. An amendment to the existing agreement is required for additional design services.



**5. (Continued)**

**Recommendation**

Authorize the Chief Executive Officer to negotiate and execute Amendment No. 4 to Agreement No. C-4-1426 between the Orange County Transportation Authority and TRC Solutions, Inc., in the amount of \$617,742, for additional design services for the Interstate 5 improvement project from south of Alicia Parkway to El Toro Road. This will increase the maximum cumulative obligation of the agreement to a total contract value of \$9,187,029.

**Regular Calendar**

There are no Regular Calendar matters.

**Discussion Items**

**6. Update on Interstate 5 Widening Project Between State Route 73 and El Toro Road**

Niall Barrett/James G. Beil

Staff will provide a project update.

**7. Chief Executive Officer's Report**

**8. Committee Members' Reports**

**9. Closed Session**

There are no Closed Session items scheduled.

**10. Adjournment**

The next regularly scheduled meeting of this Committee will be held at **10:30 a.m. on Monday, June 3, 2019**, at the Orange County Transportation Authority Headquarters, 550 South Main Street, Board Room - Conference Room 07, Orange, California.



# MINUTES

## *Regional Planning and Highways Committee Meeting*

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### **Committee Members Present**

Mark A. Murphy, Chairman  
Barbara Delgleize, Vice Chair  
Lisa A. Bartlett  
Doug Chaffee  
Joe Muller  
Richard Murphy

### **Staff Present**

Darrell E. Johnson, Chief Executive Officer  
Laurena Weinert, Clerk of the Board  
Olga Prado, Assistant Clerk of the Board  
Cassie Trapesonian, Assistant General Counsel  
OCTA Staff and Members of the General Public

### **Committee Members Absent**

Miguel Pulido

### **Call to Order**

The April 1, 2019 regular meeting of the Regional Planning and Highways Committee was called to order by Committee Chairman M. Murphy at 10:32 a.m.

### **Pledge of Allegiance**

Director R. Murphy led in the Pledge of Allegiance.

#### **1. Public Comments**

No public comments were received.

### **Special Calendar**

There were no Special Calendar matters.

### **Consent Calendar (Items 2 through 7)**

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

A motion was made by Director R. Murphy, seconded by Director Muller, and declared passed by those present, to approve the minutes of the Regional Planning and Highways Committee meeting of March 4, 2019.

Director Chaffee abstained due to not being present at the March 4, 2019 Regional Planning and Highways Committee meeting.

Committee Vice Chair Delgleize was not present to vote on this item.



### **3. Amendment to Agreement for Call Box Maintenance Services**

A motion was made by Director R. Murphy, seconded by Director Muller, and declared passed by those present, to authorize the Chief Executive Officer to negotiate and execute Amendment No. 3 to Agreement No. C-3-2069 between the Orange County Transportation Authority and Siemens Industry, Inc., to exercise the option term of the agreement in the amount of \$496,376, for freeway call box maintenance services through June 30, 2021. This will increase the maximum obligation of the agreement to a total contract value of \$2,099,641.

Committee Vice Chair Delgleize was not present to vote on this item.

### **4. Amendment to Agreement with the California Highway Patrol for Services Related to Freeway Service Patrol**

A motion was made by Director R. Murphy, seconded by Director Muller, and declared passed by those present, to authorize the Chief Executive Officer to negotiate and execute Amendment No. 1 to Agreement No. C-8-1553 between the Orange County Transportation Authority and the California Highway Patrol, in the amount of \$434,887, to add Road Repair and Accountability Act of 2017 funds recently made available to support the Freeway Service Patrol program and to adjust the amount of the maximum obligation in the original agreement.

Committee Vice Chair Delgleize was not present to vote on this item.

### **5. Fiscal Year 2019-20 Measure M2 Eligibility Guidelines Update**

This item was pulled by Director Chaffee who requested clarification whether all cities within the county qualified for Measure M2 funds and where funds for ineligible cities are allocated.

Kurt Brotcke, Director, Planning, stated that Measure M2 eligibility guidelines are presented to the Board of Directors on an annual basis for the upcoming fiscal year. Mr. Brotcke stated that there will be an audit report going to the April 8, 2019 Board of Directors meeting to further discuss the ineligible expenditures that multiple cities incurred in the previous fiscal year.

Director Chaffee thanked staff for the information and wanted to ensure that all cities within his district correct any findings to ensure eligibility for Measure M2 funds.



### 5. (Continued)

A motion was made by Director Chaffee, seconded by Director Bartlett, and declared passed by those present, to:

- A. Approve the fiscal year 2019-20 Measure M2 Eligibility Guidelines.
- B. Direct staff to return in summer 2019 with more detailed procedures related to finding a local agency ineligible to receive Measure M2 funds.

Committee Vice Chair Delgleize was not present to vote on this item.

### 6. **Consultant Selection for Intelligent Transportation Systems and Traffic Engineering Services for Regional Traffic Signal Synchronization Projects**

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

- A. Approve the selection of Iteris, Inc., as the firm to provide intelligent transportation systems and traffic engineering services for the Katella Avenue Regional Traffic Signal Synchronization Project.
- B. Approve the selection of Iteris, Inc., as the firm to provide intelligent transportation systems and traffic engineering services for the Main Street Regional Traffic Signal Synchronization Project.
- C. Authorize the Chief Executive Officer to negotiate and execute Agreement No. C-8-2038 between the Orange County Transportation Authority and Iteris, Inc., to provide intelligent transportation systems and traffic engineering services for the Katella Avenue Regional Traffic Signal Synchronization Project.
- D. Authorize the Chief Executive Officer to negotiate and execute Agreement No. C-9-1066 between the Orange County Transportation Authority and Iteris, Inc., to provide intelligent transportation systems and traffic engineering services for the Main Street Regional Traffic Signal Synchronization Project.

Committee Vice Chair Delgleize was not present to vote on this item.



# MINUTES

## *Regional Planning and Highways Committee Meeting*

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### **7. Amendments to Cooperative Agreements with the Cities of Fountain Valley and Seal Beach for the Interstate 405 Improvement Project**

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

- A. Authorize the Chief Executive Officer to negotiate and execute Amendment No. 3 to Cooperative Agreement No. C-5-3613 between the Orange County Transportation Authority and the City of Fountain Valley, in the amount of \$1,985,000, for additional city services for the Interstate 405 Improvement Project. This will increase the maximum obligation of the cooperative agreement to a total value of \$4,367,708.
  
- B. Authorize the Chief Executive Officer to negotiate and execute Amendment No. 1 to Cooperative Agreement No. C-6-1126 between the Orange County Transportation Authority and the City of Seal Beach, in the amount of \$250,000, for additional city services for the Interstate 405 Improvement Project. This will increase the maximum obligation of the cooperative agreement to a total value of \$370,600.

Committee Vice Chair Delgleize was not present to vote on this item.

### **Regular Calendar**

### **8. Interstate 405 Improvement Project Update**

Jeff Mills, Program Manager for the Interstate 405 Improvement Project, and Chris Boucly, Section Manager, External Affairs, provided a joint PowerPoint presentation as follows:

- Project Location and Key Features;
- Background;
- Project Update;
- Construction Update:
  - Fairview Road,
  - Slater Avenue,
  - Magnolia Street,
  - Goldenwest Street,
  - Westminster Boulevard, and
  - Bolsa Chica Road;
- Look Ahead for Bridge Construction;
- Bridge Construction Map;





### 8. (Continued)

- Interstate 405 (I-405)/State Route 73 (SR-73) Interchange;
- I-405/SR-73 New Connector;
- Project Challenges;
- Ongoing Community Outreach; and
- Mobile App.

Director Bartlett thanked the I-405 Partners for the great signage provided along the I-405 Improvement Project.

Director Bartlett inquired if there would be any additional traffic backup at the I-405/SR-73 interchange as a result of the construction efforts for the I-405 Improvement Project. Mr. Mills stated that traffic studies were completed and show that operations after construction would be similar to the conditions that currently exist.

Director Bartlett wanted to ensure improvements were being made and that no additional delays would be caused. Mr. Mills responded that the traffic studies show an acceptable level of service and no additional backups would be caused.

Director Muller asked if High Occupancy Vehicles (HOV) lanes were being converted into 405 Express Lanes. Darrell E. Johnson, Chief Executive Officer (CEO), stated that the current HOV lanes are combined with a new 405 Express Toll lane which will be a two-lane High Occupancy Toll facility. Mr. Johnson offered to follow-up with Director Muller regarding the specific toll policy.

Director Muller expressed his concerns regarding the I-405/SR-73 interchange backup and if the new connector will be enough to alleviate the existing traffic backup. Mr. Johnson stated this situation is slightly different than the State Route 91 Express Lanes because a choice is given to drivers and intermediate access is provided which provides multiple access points along the corridor.

Director Muller inquired if the Orange County Transportation Authority (OCTA) is working with Waze or Google Maps to provide construction updates. Mr. Boucly, responded that OCTA provides pre-approved closures and detour information to Waze.

Following the discussion, no action was taken on this receive and file information item.



# MINUTES

## *Regional Planning and Highways Committee Meeting*

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**9. Consultant Selection for Construction Management Support Services for the Interstate 5 Widening Project Between State Route 73 and Oso Parkway**

Niall Barrett, Program Manager, Capital Programs, provided background information for the Interstate 5 (I-5) project (SR-73 to Oso Parkway) and reported that the project is part of Projects C and D under OC Go which is being advanced through the updated Next 10 Delivery Plan. Mr. Barrett also highlighted the procurement approach.

Director Bartlett expressed her excitement for the project and stated that it is critical to move the project forward as there is a lot of congestion within the project area.

A motion was made by Director Bartlett, seconded by Director Chaffee, and declared passed by those present, to:

- A. Approve the selection of Arcadis U.S., Inc., as the firm to provide construction management support services for the Interstate 5 widening project between State Route 73 and Oso Parkway.
- B. Authorize the Chief Executive Officer to negotiate and execute Agreement No. C-8-1969 between the Orange County Transportation Authority and Arcadis U.S., Inc., as the firm to provide construction management support services for the Interstate 5 widening project between State Route 73 and Oso Parkway.

### **Discussion Items**

**10. Update on Interstate 5 Improvement Project from State Route 55 to State Route 57**

Niall Barrett, Program Manager, Capital Programs, provided background information and a PowerPoint presentation on this item as follows:

- Project Limits and Background;
- I-5/Main Street High-Occupancy Vehicle Ramp;
- Project Construction Schedule;
- Engagement Strategies; and
- Public Outreach.



### **10. (Continued)**

Mr. Barrett announced that Calina North, Community Relations Officer, External Affairs, was in the audience.

No action was taken on this discussion item.

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

Darrell Johnson, Chief Executive Officer, reported on the following:

- There will be about \$2.8 billion of active construction through 2019 and staff is holding several events to engage the public and to provide information.
- The Angels Express kick-off event will be held at the Irvine Metrolink Station on Friday at 5:00 p.m.
- The Taco Transit Tuesday promotion will begin tomorrow and is a partnership with Wahoo's restaurants to offer a free taco on Tuesdays, when people purchase a No. 1 combo at a Wahoo's and show a valid OC Bus, OC Flex, or Metrolink pass.

### **12. Committee Members' Reports**

There were no Committee Member's reports.

### **13. Closed Session**

A Closed Session was not conducted at this meeting.



# MINUTES

## *Regional Planning and Highways Committee Meeting*

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### 14. Adjournment

The meeting adjourned at 11:11 a.m.

The next regularly scheduled meeting of this Committee will be held at **10:30 a.m. on Monday, May 6, 2019**, at the Orange County Transportation Authority Headquarters, 550 South Main Street, Board Room - Conference Room 07, Orange, California.

ATTEST

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Olga Prado  
Assistant Clerk of the Board

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Mark A. Murphy  
Committee Chairman



**May 6, 2019**

**To:** Regional Planning and Highways Committee

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

**Subject:** Amendment to Cooperative Agreement with the California Department of Transportation for the Interstate 5 Widening Project Between State Route 73 and Oso Parkway

**Overview**

On October 22, 2018, the Orange County Transportation Authority Board of Directors approved Cooperative Agreement No. C-8-1960 with the California Department of Transportation to implement the construction phase for the Interstate 5 widening project between State Route 73 and Oso Parkway. An amendment to the cooperative agreement is required to modify and increase construction capital funding based on the latest engineering cost estimate.

**Recommendations**

- A. Authorize the Chief Executive Officer to negotiate and execute Amendment No. 1 to Cooperative Agreement No. C-8-1960 between the Orange County Transportation Authority and the California Department of Transportation, to increase construction funding, in the amount of \$9,274,000, for construction of Segment 1 – Interstate 5 widening project between State Route 73 and Oso Parkway. This will increase the maximum obligation of the construction phase of the agreement to a total contract value of \$142,563,000.
- B. Authorize the use of up to \$6,433,000 in Highway Infrastructure Program funds for Segment 1 – Interstate 5 widening project between State Route 73 and Oso Parkway.
- C. Authorize the use of up to \$2,841,000 in Proposition 1B Trade Corridor Improvement Fund project deallocations from the State Route 91 project from Interstate 5 to State Route 57, Tustin Avenue/Rose Drive railroad grade separation, and Orangethorpe Avenue railroad grade separation to Segment 1 – Interstate 5 widening project between State Route 73 and Oso Parkway.

**Amendment to Cooperative Agreement with the California Department of Transportation for the Interstate 5 Widening Project Between State Route 73 and Oso Parkway** **Page 2**

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- D. Authorize staff to process all necessary amendments to the Federal Transportation Improvement Program and execute or amend all necessary agreements to facilitate the above recommendations.

***Discussion***

The Orange County Transportation Authority (OCTA), in partnership with the California Department of Transportation (Caltrans), is implementing the Interstate 5 (I-5) widening project between State Route 73 (SR-73) and El Toro Road (Project). The Project is part of Projects C and D in the Measure M2 (M2) freeway program and is being advanced through the updated Next 10 Delivery Plan approved by the OCTA Board of Directors (Board) in November 2017.

The Project will add general purpose lanes in each direction on I-5 between Avery Parkway and Alicia Parkway, extend the second high-occupancy vehicle lane from El Toro Road to Alicia Parkway in each direction, re-establish existing auxiliary lanes, and construct new auxiliary lanes at various locations. In addition, the Project will reconstruct the Avery Parkway and La Paz Road interchanges, improve several existing on- and off-ramps, and convert existing and proposed carpool lanes to continuous access.

Final design for Segments 1 and 3 is nearing completion, and Segment 2 construction will start soon. The three segments have the following Project limits:

- Segment 1 extends from SR-73 to south of Oso Parkway
- Segment 2 extends from south of Oso Parkway to south of Alicia Parkway
- Segment 3 extends from south of Alicia Parkway to El Toro Road

Bid documents for Segment 1 are being prepared for the construction contract which is expected to be advertised in mid-2019. The total construction capital funding for Segment 1 previously approved by the Board on October 22, 2018 is \$112,008,00, comprised of \$15,340,000 in Local Partnership Program funds, \$65,171,000 in State Transportation Improvement Program funds, \$26,991,000 in Proposition 1B Trade Corridor Improvement Fund (TCIF), and \$4,506,000 in M2 funds.

The current construction cost estimate was updated to \$121,282,000, based on bids that Caltrans received for recently advertised freeway improvement projects, including Segment 2 of the I-5 widening project from Oso Parkway to Alicia Parkway. The resultant cost increase is \$9,274,000, and is mostly due to the higher cost for overhead and materials, such as concrete, steel, asphalt, and

**Amendment to Cooperative Agreement with the California Department of Transportation for the Interstate 5 Widening Project Between State Route 73 and Oso Parkway** **Page 3**

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aggregate base. The increase of \$9,274,000 in construction capital consists of \$6,433,000 in federal Highway Infrastructure Program (HIP) funds that were made available by the federal government for a one-time infusion on March 26, 2019, and \$2,841,000 in additional Proposition 1B TCIF, which were not able to be used for other OCTA projects. The use of these funding programs for Segment 1 is consistent with the Capital Programming Policies established by the Board and will help preserve M2 freeway program funds for future projects.

**Fiscal Impact**

Funding is included in OCTA's Fiscal Year 2018-19 Budget, Capital Programs Division, Account 0017-9084-FC102-06W, and is funded with a combination of federal, state, and local funds.

***Summary***

Staff requests Board approval for the Chief Executive Officer to negotiate and execute Amendment No. 1 to Cooperative Agreement No. C-8-1960 between OCTA and Caltrans, to increase construction funding, in the amount of \$9,274,000, for construction of Segment 1 – Interstate 5 widening project between State Route 73 and Oso Parkway. This will increase the maximum obligation of the construction phase of the agreement to a total contract value of \$142,563,000. With Board approval, the cost increase will be supported by using \$6,433,000 in HIP funds and \$2,841,000 in Proposition 1B TCIF.

**Amendment to Cooperative Agreement with the California Department of Transportation for the Interstate 5 Widening Project Between State Route 73 and Oso Parkway** **Page 4**

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***Attachments***

- A. Capital Funding Program Report
- B. California Department of Transportation, Cooperative Agreement No. C-8-1960 Fact Sheet

**Prepared by:**



Hamid Torkamanha, P.E.  
Project Manager  
(714) 560-5436



Virginia Abadessa  
Director, Contracts Administration and  
Materials Management  
(714) 560-5623

**Approved by:**



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





# Capital Funding Program Report

Pending Board of Directors (Board) Approval - May 13, 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 (I-405 to SR-55) capacity enhancement	B	\$33,000	\$12,628		\$15,372			\$5,000	
I-5 from SR-73 to El Toro Road landscaping/replacement planting	C	\$12,245	\$6,000					\$6,245	
I-5 widening (Alicia to El Toro) Segment 3	C	\$179,480	\$79,299		\$49,897			\$50,284	
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 <sup>1,2</sup>	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 OC Central Corridor improvements from I-405 to I-5	F	\$340,932	\$80,000		\$103,805	\$46,800		\$110,327	
SR-57 Oranewood to Katella	G	\$2,500			\$2,500				
SR-57 truck climbing aux lane: Lambert - LA County Line	G	\$4,300	\$4,050					\$250	
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 interchange	M	\$1,824						\$1,824	
241/91 Express Lanes (HOT) connector		\$33,728							\$33,728
SR-74 widening, Calle Entradero-City/County line		\$42,694	\$5,513						\$37,181
SR-74 widening, City/County line to Antonio Parkway		\$40,905	\$10,000		\$5,285				\$25,620
<b>State Highway Project Totals</b>		<b>\$3,078,350</b>	<b>\$373,795</b>	<b>\$37,603</b>	<b>\$345,845</b>	<b>\$71,802</b>		<b>\$1,523,846</b>	<b>\$725,459</b>

<b>State Funding Total</b>	<b>\$411,398</b>
<b>Federal Funding Total</b>	<b>\$417,647</b>
<b>Local Funding Total</b>	<b>\$2,249,305</b>
<b>Total Funding (000's)</b>	<b>\$3,078,350</b>

## 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	
SR-91 w/b connect existing aux lanes, I-5 to SR-57	H	\$62,977		\$27,227				\$35,750	



# 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 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				
I-5 at Jamboree off ramp and aux lane		\$8,485	\$8,485						
I-5 s/b at Oso Parkway exit lane and interchange improvement		\$22,872	\$22,773						\$99
SR-90 Imperial Hwy enhancement and mitigation planting		\$1,669	\$1,669						
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		
<b>State Highway Project Totals</b>		<b>\$1,031,581</b>	<b>\$213,713</b>	<b>\$380,452</b>	<b>\$140,771</b>	<b>\$97,888</b>	<b>\$20,578</b>	<b>\$161,478</b>	<b>\$16,701</b>
<b>State Funding Total</b>		<b>\$594,165</b>							
<b>Federal Funding Total</b>		<b>\$238,659</b>							
<b>Local Funding Total</b>		<b>\$198,757</b>							
<b>Total Funding (000's)</b>		<b>\$1,031,581</b>							

### Board Action:

1. Authorize the use of up to \$2.841 million in Proposition 1B Trade Corridor Improvement Fund project deallocations from the State Route 91 Auxiliary Lane from Interstate 5 to State Route 57, Tustin Avenue/Rose Drive Grade Separation, and Orangethorpe Avenue Grade Separation to the Interstate 5 Improvement Project from State Route 73 to Oso Parkway Project.

2. Authorize the use of up to \$6.433 million in Highway Infrastructure Program funds for the Interstate 5 Improvement Project from State Route 73 to Oso Parkway Project.

### 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

**California Department of Transportation  
Cooperative Agreement No. C-8-1960 Fact Sheet**

1. October 22, 2018, Cooperative Agreement No. C-8-1960, \$133,289,000, approved by the Board of Directors (Board).
  - To define the roles and responsibilities of the California Department of Transportation (Caltrans) and Orange County Transportation Authority for the Interstate 5 widening project between State Route 73 and Oso Parkway.
  - Total construction capital approved \$112,008,000.
  
2. May 13, 2019, Amendment No. 1 to Cooperative Agreement No. C-8-1960, \$9,274,000, pending Board approval.
  - To increase construction funding, in the amount of \$9,274,000, to account for increase in construction costs.

Total committed to Caltrans after approval of Amendment No. 1 to Cooperative Agreement No. C-8-1960: \$142,563,000.



**May 6, 2019**

**To:** Regional Planning and Highways Committee

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

**Subject:** Cooperative Agreement with the California Department of Transportation for the State Route 91 Improvement Project Between State Route 57 and State Route 55

**Overview**

The Orange County Transportation Authority proposes to enter into a cooperative agreement with the California Department of Transportation to define roles, responsibilities, and funding obligations for the preparation of plans, specifications, and estimates, and advertisement and award of the construction contract for the State Route 91 improvement project between State Route 57 and State Route 55.

**Recommendations**

- A. Authorize the Chief Executive Officer to negotiate and execute Cooperative Agreement No. C-9-1274 between the Orange County Transportation Authority and the California Department of Transportation, in the amount of \$500,000, to provide oversight of the plans, specifications, and estimates, and to advertise and award the construction contract for the State Route 91 improvement project between State Route 57 and State Route 55.
- B. Authorize staff to amend the Federal Transportation Improvement Program and execute all necessary agreements to facilitate the above recommendation.

**Discussion**

State Route 91 improvements between State Route 57 and State Route 55 (SR-55) (Project) are part of Project I in the Measure M2 freeway program, in the Next 10 Plan, adopted by the Orange County Transportation Authority (OCTA) Board of Directors (Board) in November 2016. The Project is scheduled to move into design using net excess 91 Express Lanes revenue.

On November 14, 2016, the Board directed staff to set aside net excess 91 Express Lanes revenue to advance implementation of the Project.

The Project will add a general purpose lane in the eastbound direction between La Palma Avenue and SR-55 and provide westbound operational improvements between Acacia Street and La Palma Avenue and between SR-55 and Lakeview Avenue.

The draft environmental document was circulated for public comment on November 20, 2018, and the build alternative has been identified as the preferred alternative by the Project development team. The Project is being developed as three separate design and construction projects to enhance the participation and competitive bidding of consultants and contractors, with the following Project limits:

- Segment 1 extends from SR-55 to Lakeview Avenue
- Segment 2 extends from La Palma Avenue to SR-55
- Segment 3 extends from Acacia Street to La Palma Avenue

OCTA proposes to enter into a cooperative agreement with the California Department of Transportation (Caltrans) to define the roles and responsibilities of both agencies. OCTA is the implementing agency for the plans, specifications, and estimates (PS&E), and Caltrans will provide oversight and independent quality assurance of the PS&E production to ensure the Project meets Federal Highway Administration and Caltrans standards. Caltrans' oversight of the PS&E will be at no cost to OCTA.

Caltrans will be responsible for the advertisement and award of the construction contract. As part of the PS&E phase, OCTA will reimburse Caltrans, in the amount of \$500,000, for the direct support costs associated with the final contract document packaging, advertisement, and award of the Project's construction contract. The construction phase roles, responsibilities, and funding will be the subject of a separate future cooperative agreement.

A separate item will seek OCTA Board approval to release a request for proposals to procure a consultant for the PS&E services for Segment 1 of the Project.

**Cooperative Agreement with the California Department of  
Transportation for the State Route 91 Improvement Project  
Between State Route 57 and State Route 55**

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**Page 3**

**Fiscal Impact**

As part of this cooperative agreement, funding for Caltrans' services will be proposed in OCTA's Fiscal Year 2019-20 Budget, Capital Programs Division, accounts 0017-7519-FI106-F17, 0017-7519-FI105-F17, and 0017-7519-FI104-F17, and will be funded through net excess 91 Express Lanes revenue.

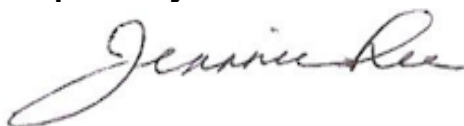
**Summary**

Staff requests Board of Directors' approval for the Chief Executive Officer to negotiate and execute Cooperative Agreement No. C-9-1274 with the California Department of Transportation, in the amount of \$500,000, to provide oversight of the plans, specifications, and estimates, and to advertise and award the construction contract for the State Route 91 improvement project between State Route 57 and State Route 55.

**Attachment**

None.

**Prepared by:**



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Senior Project Manager  
(714) 560-5735

**Approved by:**



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



Virginia Abadessa  
Director, Contracts Administration and  
Materials Management  
(714) 560-5623



**May 6, 2019**

**To:** Regional Planning and Highways Committee

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

**Subject:** Amendment to Agreement for Additional Design Services for the Interstate 5 Improvement Project from South of Alicia Parkway to El Toro Road

**Overview**

On August 11, 2014, the Orange County Transportation Authority Board of Directors approved an agreement with TRC Solutions, Inc., for preparation of plans, specifications, and estimates for the Interstate 5 improvement project from south of Alicia Parkway to El Toro Road. An amendment to the existing agreement is required for additional design services.

**Recommendation**

Authorize the Chief Executive Officer to negotiate and execute Amendment No. 4 to Agreement No. C-4-1426 between the Orange County Transportation Authority and TRC Solutions, Inc., in the amount of \$617,742, for additional design services for the Interstate 5 improvement project from south of Alicia Parkway to El Toro Road. This will increase the maximum cumulative obligation of the agreement to a total contract value of \$9,187,029.

**Discussion**

The Interstate 5 (I-5) improvement project from south of Alicia Parkway to El Toro Road (Project) is part of the Measure M2 (M2) freeway program, Project C, and is being advanced through the Next 10 Delivery Plan approved by the Orange County Transportation Authority (OCTA) Board of Directors (Board) in November 2016.

The Project will add a second high-occupancy vehicle (HOV) lane in each direction on I-5 between Alicia Parkway and El Toro Road, an additional general purpose (GP) lane in the southbound (SB) direction between north of Alicia Parkway and south of Alicia Parkway, re-establish existing auxiliary lanes, add a new auxiliary lane SB between the El Toro Road on-ramp and the

**Amendment to Agreement for Additional Design Services Page 2  
for the Interstate 5 Improvement Project from South of  
Alicia Parkway to El Toro Road**

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Los Alisos Boulevard off-ramp, replace the Los Alisos Boulevard overcrossing, and convert existing HOV lanes to continuous access. Additional project scope has been identified which requires further design effort. An amendment to the Project design contract is recommended to include the following design services.

In accordance with the cooperative agreement with the California Department of Transportation (Caltrans) for the design phase, the freeway widening will be designed to meet the latest standard plans and specifications (SP&S), procedures, and requirements. In October 2018, Caltrans updated the SP&S to revise certain design standards governing freeway design. Caltrans required that the Project plans be revised to meet the new standards which affected nine retaining walls and two bridges within the Project limits.

To address Caltrans Safety Review Committee comments, the Project design will be modified to eliminate the proposed HOV merge on the SB side of the I-5 and convert the second HOV lane into the first GP lane. This change necessitates the modification of the roadway design, pavement delineation, and signage.

Vibration from pile driving may affect existing nearby non-highway facilities; therefore, monitoring is required to reduce the risk of potential property damage claims. TRC Solutions, Inc. (TRC) will develop segment-specific specifications for vibration monitoring survey of existing nearby non-highway facilities and obtain approval of the specifications from Caltrans.

Recent changes to two proposed utility relocations have also impacted the right-of-way (ROW) requirements for the Project, which, in turn, necessitate additional environmental technical study memoranda. The design team will also make ROW plan revisions and obtain additional ROW documents to accommodate this work.

Finally, design changes at Aliso Creek necessitate TRC to prepare a Conditional Letter of Map Revision for submittal to the Federal Emergency Management Agency.

***Procurement Approach***

This procurement was handled in accordance with OCTA's Board-approved procedures for architectural and engineering services, which conform to both federal and state laws. The original agreement was executed on March 31, 2015, in the amount of \$7,399,963, and has been previously amended in accordance with Attachment A. It has become necessary to



**Amendment to Agreement for Additional Design Services Page 3  
for the Interstate 5 Improvement Project from South of  
Alicia Parkway to El Toro Road**

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amend the existing agreement to comply with Caltrans requirements, which include additional design services to complete the plans, specifications, and estimates.

OCTA staff negotiated the required level of effort with TRC to provide additional design services. OCTA found TRC's price proposal, in the amount of \$617,742, to be fair and reasonable relative to the negotiated level of effort. Proposed Amendment No. 4 to Agreement No. C-4-1426 will increase the total contract value to \$9,187,029.

**Fiscal Impact**

Funding for the Project was approved in OCTA's Fiscal Year 2018-19 Budget, Capital Programs Division, Account 0017-7519-FC106-06W, and is funded with federal Surface Transportation Block Grant and local M2 funds.

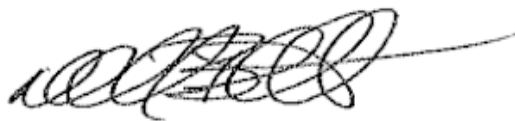
**Summary**

Staff requests Board of Directors' approval for the Chief Executive Officer to negotiate and execute Amendment No. 4 to Agreement No. C-4-1426 with TRC Solutions, Inc., in the amount of \$617,742, for additional design services for the Interstate 5 improvement project from south of Alicia Parkway to El Toro Road.

**Attachment**

- A. TRC Solutions, Inc., Agreement No. C-4-1426 Fact Sheet

**Prepared by:**



Niall Barrett, P.E.  
Program Manager  
(714) 560-5879

**Approved by:**



James G. Beil, P.E.  
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Director, Contracts Administration and  
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**TRC Solutions, Inc.  
Agreement No. C-4-1426 Fact Sheet**

1. August 11, 2014, Agreement No. C-4-1426, \$7,399,963, approved by the Board of Directors (Board).
  - Agreement was executed on March 31, 2015, for preparation of plans, specifications, and estimates (PS&E) for the Interstate 5 improvement project from south of Alicia Parkway to El Toro Road.
2. August 15, 2016, Amendment No. 1 to Agreement No. C-4-1426, \$0, approved by the Contracts Administration and Materials Management (CAMM) Department.
  - To modify key project personnel and revise the consultant address.
3. April 26, 2017, Amendment No. 2 to Agreement No. C-4-1426, \$219,719, approved by the CAMM Department.
  - Additional design services including supplemental fact sheets, right-of-way maps, roadway plans, and bridge and retaining walls plans to comply with new standards.
4. April 9, 2018, Amendment No. 3 to Agreement No. C-4-1426, \$949,605, approved by the Board.
  - Provide additional design services to complete the project PS&E.
5. May 13, 2019, Amendment No. 4 to Agreement No. C-4-1426, \$617,742, pending Board approval.
  - To modify key project personnel and provide additional design services and updated fact sheets to comply with California Department of Transportation latest standard plans and specifications.

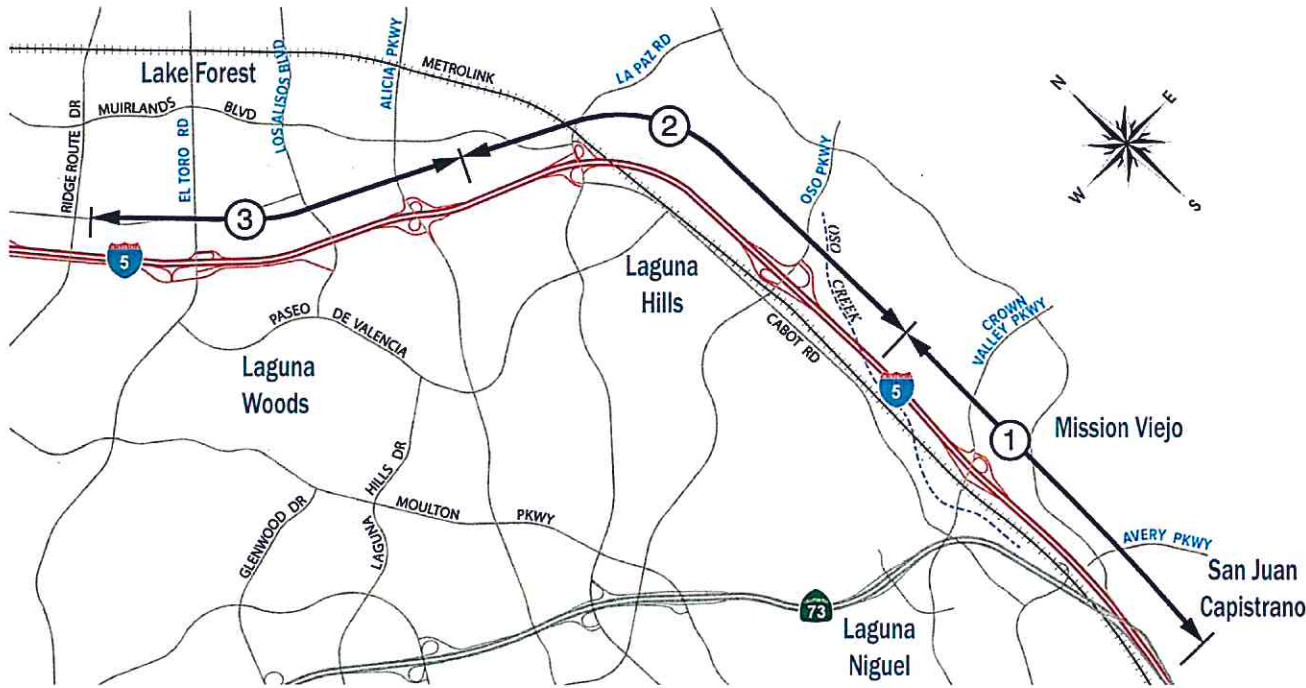
Total funds committed to TRC Solutions, Inc. after approval of Amendment No. 4 to Agreement No. C-4-1426: \$9,187,029.



# Update on Interstate 5 Widening Project Between State Route 73 and El Toro Road



# Project Area



## Project Segments from South to North

### Segment 1

State Route 73 to south of Oso Parkway

### Segment 2

South of Oso Parkway to south of Alicia Parkway

### Segment 3

South of Alicia Parkway to north of El Toro Road

Total length: 6.5 miles



# Project Improvements



- 1** Add one general purpose lane in both directions from Avery Parkway to Alicia Parkway
- 2** Extend second high-occupancy vehicle lane in both directions from Alicia Parkway to El Toro Road
- 3** Reconstruct Avery Parkway and La Paz Road interchanges, and Los Alisos Boulevard overcrossing
- 4** Reconstruct and add auxiliary lanes
- 5** Realign and/or improve on- and off-ramps



# La Paz Road Interchange Reconstruction



# La Paz Road Interchange Reconstruction

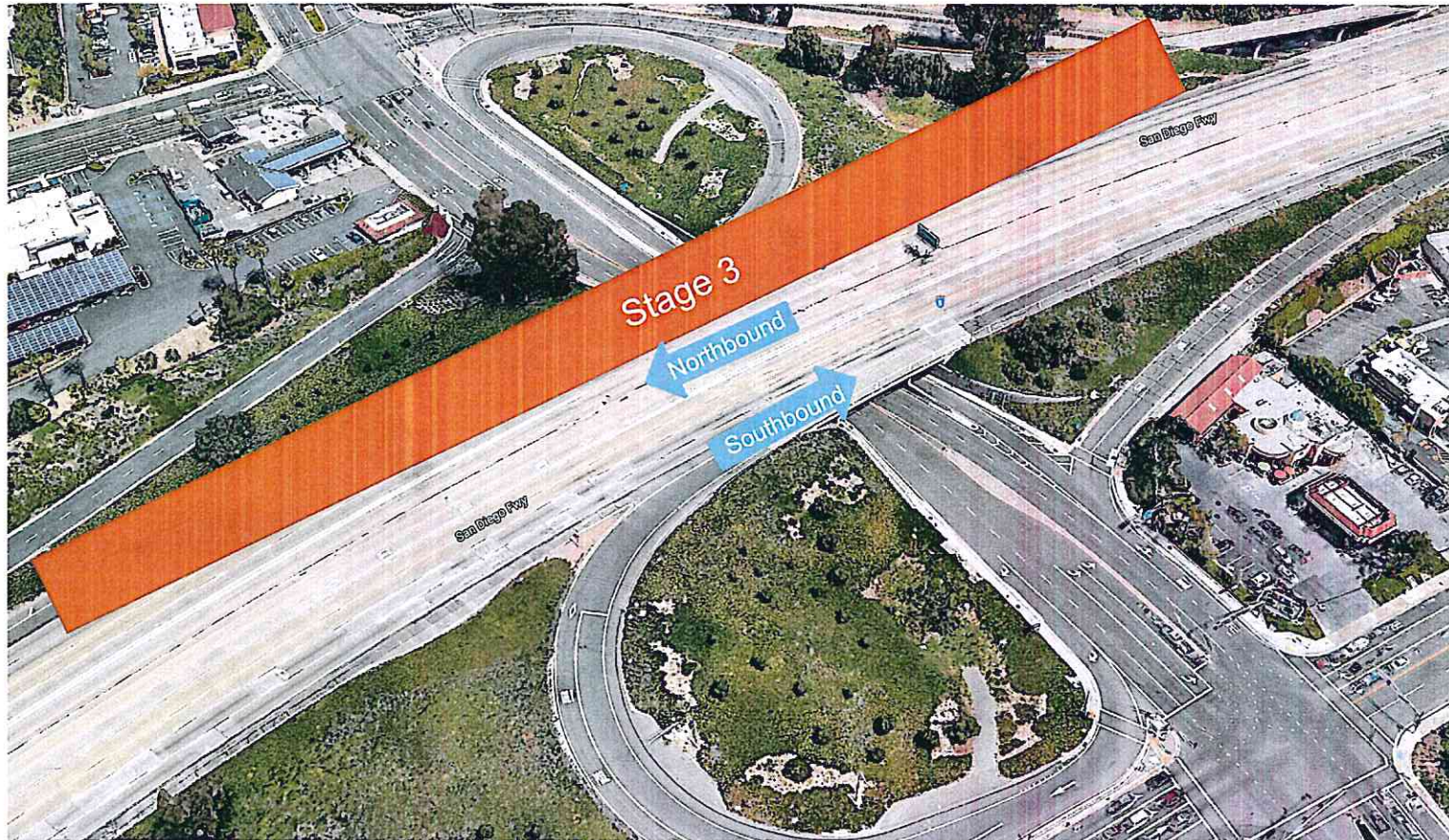


# La Paz Road Interchange Reconstruction





# La Paz Road Interchange Reconstruction



# La Paz Road – Interchange Improvements



- Increase vertical clearance to 15 feet
- Total number of thru lanes
  - Three eastbound (EB) thru lanes
  - Three westbound (WB) thru lanes
- New five-foot bike lanes and widen existing sidewalks

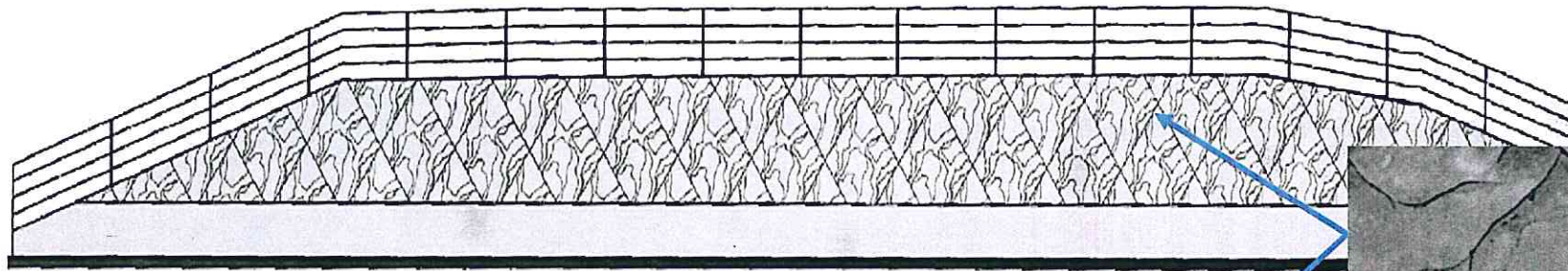


# Avery Parkway – Interchange Improvements

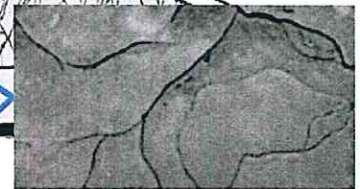


- Replace Interstate 5 bridge
- Ten lanes on Avery Parkway
- Three WB and three EB thru lanes
- Two WB and two EB left-turn lanes
- Eight-foot bike lanes in each direction
- Standard shoulders
- Sidewalks in each direction

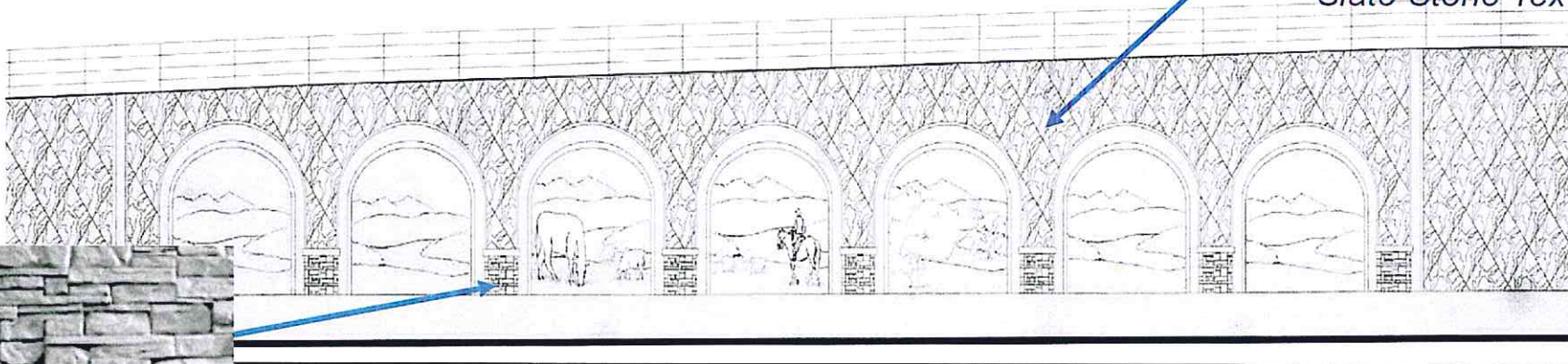
# Retaining Wall Aesthetics



**Minor Retaining Walls**



*Slate Stone Texture*



**Major Retaining Walls**

*Pastoral Ranch Theme*



*Stacked Stone Texture*

- Safety of commuters, pedestrians, and construction crews are the highest priority
- Detours safe, short, and fully coordinated with city staff
- Mainline closures will be off-peak and overnight
- On- and off-ramp closures will be short term

# Current Activities



- Final design 100 percent complete for Segment 1 and nearing completion for Segment 3
- California Department of Transportation lead agency for right-of-way
  - Segment 2 - acquisitions complete
  - Segment 1 - acquisitions almost complete
  - Segment 3 – acquisition process underway
  - Total of 64 properties needed for all three segments with 61 percent of acquisitions complete
- Coordination of utility relocations is on-going
- Coordination with Metrolink to maximize safety and minimize interruption to passenger services, as needed



# Estimated Construction Schedule



Segment	Estimated Schedule
<b>Segment 2</b> Oso Parkway to Alicia Parkway	<b>Late May 2019 – Late 2023</b>
<b>Segment 1</b> State Route 73 to Oso Parkway	<b>Early 2020 – Early 2025</b>
<b>Segment 3</b> Alicia Parkway to El Toro Road	<b>Mid 2020 – Mid 2024</b>



# Public Communications and Outreach



**I-5 (SR-73 to El Tero Road)**

**PROJECT CONTACTS #1 & 2**  
**FERNANDO CHAVARRIA**  
 714.960.5578  
 fernoch@ocgo.net

**OCGO**  
 Orange County Growth Office

**IMPROVEMENTS ARE DOWN THE ROAD**  
 SR-73 TO EL TORO ROAD

**SOUTH COUNTY I-5 IMPROVEMENT PROJECT SR-73 TO EL TORO ROAD**

**PROJECT OVERVIEW**  
 The District of OC and Orange County is the lead agency for the project. The project is a multi-phase project that will include widening, reconstruction, and safety improvements on I-5 from SR-73 to El Tero Road. The project is a multi-phase project that will include widening, reconstruction, and safety improvements on I-5 from SR-73 to El Tero Road.

**WHEN?**  
 Sunday, March 9, 2019 | 8:30 a.m. - 10:30 a.m.

**WHERE?**  
 Culver at end of Tempe Circle

**QUESTIONS?**  
 Please contact Logan Selsick at 714-560-5579 or lselsick@ocgo.net

**ESTIMATED TIMELINE**  
 Early 2019 to Early 2020

**OCGO**  
 Orange County Growth Office



**IMPROVEMENTS ARE DOWN THE ROAD**  
 SR-73 TO EL TORO ROAD

**CONSTRUCTION BEGINS MID 2019**

**OCTA.NET/SOUTHCOUNTY**

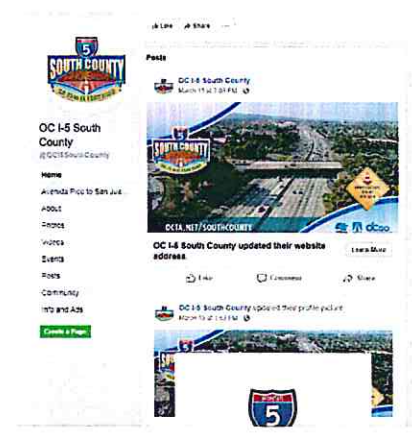
**OCGO**  
 Orange County Growth Office

**SIENNA SEGMENT One Parkway to Abate Parkway**  
 Estimated Construction Start: Mid 2019 to Late 2023

**SEGMENT OVERVIEW**  
 How the proposed and additional general purpose lanes help with Orange County mobility. The improvements provide connectivity to local communities, industrial and utility, including Silicon Valley high tech.

**ANTICIPATED CONSTRUCTION SCHEDULE**

**PROJECT LEGEND**  
 Interchange Improvement  
 Segment Boundary





# Outreach Staff Contact



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