

Memorandum

To: CHAIR AND COMMISSIONERS
CALIFORNIA TRANSPORTATION COMMISSION

CTC Meeting: January 25, 2012

Reference No.: 2.1c.(1d)
Action Item

From: NORMA ORTEGA
Chief Financial Officer

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Subject: **CMIA PROJECT AMENDMENT**
RESOLUTION CMIA-PA-1112-029, AMENDING RESOLUTION CMIA-PA-1112-022 AND
TCRP RESOLUTION TAA-11-05, AMENDING RESOLUTION TAA-06-41

RECOMMENDATION:

The California Department of Transportation (Department) recommends that the California Transportation Commission (Commission) amend the Corridor Mobility Improvement Account (CMIA) baseline agreements for Segment 1 (Greenville to Portola, PPNO 0112A), Segment 2 (Portola to Hacienda, PPNO 0112D), and Segment 3 (Construct auxiliary lanes and widen Arroyo Las Positas Bridges at two locations, PPNO 0112E) of the I-580 Eastbound HOV Lane project and the Traffic Congestion Relief Program (TCRP) application for TCRP 31 – Route 580; construct eastbound HOV lanes from Tassajara Road/Santa Rita Road to Vasco Road in Alameda County.

ISSUE:

The Department and the Alameda County Transportation Commission (ACTC) propose to amend the CMIA baseline agreements for Segment 1 (Greenville to Portola, PPNO 0112A), Segment 2 (Portola to Hacienda, PPNO 0112D), and Segment 3 (Construct auxiliary lanes and widen Arroyo Las Positas Bridges at two locations, PPNO 0112E) of the I-580 Eastbound HOV Lane project to:

1. Transfer the scope of work related to the final Rubberized Asphalt Concrete (RAC) lift from Segment 1 and Segment 2 to Segment 3.
2. Increase the scope of Segment 3 project by transferring the above described final RAC lift from Segment 1 and Segment 2 and by adding locally-funded scope of work.
3. Update the project delivery schedule and funding plan for the revised Segment 3 project.

In addition, the ACTC is proposing to amend TCRP Project 31 – Route 580; construct eastbound HOV lanes from Tassajara Road/Santa Rita Road to Vasco Road in Alameda County to revise the scope of work to include the westbound high occupancy vehicle (HOV) lane scope of work.

BACKGROUND:

The I-580 Eastbound HOV Lane project was split into three segments as part of Segment 2 (PPNO 0112D) allocation at the October 2008 Commission meeting:

- Segment 1 (PPNO 0112A): Construct an eastbound HOV lane from Greenville Road to Portola Avenue with allowance for future high occupancy toll (HOT) lane conversion in the median, construct eastbound auxiliary lane from First Street to Vasco Road, and rehabilitate the existing pavement and build soundwall at First Street.
- Segment 2 (PPNO 0112D): Construct an eastbound HOV lane from Portola Avenue to Hacienda Drive with allowance for future HOT lane conversion in the median, construct eastbound auxiliary lane from El Charro to Airway, from Airway to Isabel, from Isabel to Portola, rehabilitate the existing pavement, and construct three foundations and columns for the Isabel/I-580 Interchange project.
- Segment 3 (PPNO 0112E): Construct auxiliary lanes from Isabel to North Livermore and from North Livermore to First Street. Relocate and construct Retaining Wall 7 along a portion of the auxiliary lane from North Livermore Avenue and First Street.

(Note: There is a concurrent CMIA program amendment to update the project scope and funding plan of Eastbound Segment 3 (0112E) by combining it with the scope and funding of Segment 3 (0112G) of the I-580 Westbound HOV Lane project.)

Transfer the deferred final RAC lift scope of work from Segments 1 and 2 to Segment 3

For the I-580 Eastbound HOV Lane project, Segment 3 (Construct eastbound auxiliary lanes at selected locations) has overlapping limits with the already completed Segment 1 and soon to be completed Segment 2. In order to construct auxiliary lanes, the mixed flow lanes would have had to be shifted to the median for stage construction and then shifted back to their final configuration. This would have resulted in scarring of the newly constructed pavement. There were also additional potential conflicts with the nearby I-580/Isabel Interchange project. Due to these reasons, the final Rubberized Asphalt Concrete (RAC) lift was removed from Segment 1 and Segment 2 with the intention of adding it back to Segment 3 scope of work. This strategy will provide a better finished pavement surface. This work will be funded with \$5 million in State Highway Operations and Protection Program (SHOPP) savings from the already completed Segment 1 project.

Add locally funded scope of work to Segment 3

In order to study the feasibility of converting the eastbound HOV lane into a future two-lane express facility, the ACTC is currently preparing a separate project report and an environmental document, funded solely with local funds. So as not to preclude such future conversion to a double express lane facility, the retaining walls that are currently part of the auxiliary lane contract (Segment 3 of the Eastbound HOV Lane project) will have to be constructed at their ultimate locations and the pavement needs to be widened up to these retaining walls. The ACTC is funding this additional scope of work with \$10,325,000 in local funds.

Update project limits for the revised Segment 3

In order to accommodate the inclusion of the deferred pavement work, as described above, the revised project limits of the updated project will be R07.8/R19.1.

Update project funding plan

The project funding plan is updated to reflect the above described changes, along with some other minor changes to Design (PS&E) and Right of Way components.

Project Delivery – Segment 3

The original project scope included only auxiliary lanes. During the environmental revalidation period, there were ongoing feasibility studies to determine whether to construct a one-lane or two-lane express facility within the project limits. Based upon the results of these studies, ACTC selected a two-lane facility, which resulted in additional right of way requirements. The delays in finalizing the footprint for the two-lane facility caused delays in completing the environmental document revalidation. Furthermore, the completion of the right of way appraisal maps was delayed due to various issues relating to missing, overlapping, and conflicting deed descriptions and lack of adequate field monuments. All of these factors have resulted in project delays. The following table lists the revised schedule for the combined and updated Segment 3 project.

Project Milestone	Existing Baseline		Proposed
	Eastbound Segment 3 (PPNO 0112E)	Westbound Segment 3 ⁺⁺ (PPNO 0112G)	Eastbound Segment 3 ⁺⁺ (PPNO 0112E)
End Environment (PA&ED)	Dec 2008	Nov 2009	Dec 2011
End Right of Way Phase	Mar 2010	Mar 2011	Apr 2012
End Design Phase (RTL)	Mar 2010	Mar 2011	Apr 2012
Begin Construction Phase	Aug 2010	Aug 2011	Sep 2012
End Construction Phase	Dec 2011	Oct 2013	Nov 2012
Begin Close-out Phase	Jan 2012	Nov 2013	Nov 2014
End Close-out Phase	Oct 2012	Nov 2014	Nov 2015

⁺⁺ As noted earlier, the Westbound Segment 3 is being combined with the Eastbound Segment 3 as part of a concurrent CMIA program amendment.

The Environmental (PA&ED) phase was completed on December 8, 2011.

TCRP AMENDMENT

The original scope of work for TCRP 31 project was to construct eastbound and westbound HOV lanes from Tassajara Road/Santa Rita Road to Vasco Road. At its August 2005 meeting, the Commission approved Resolution TAA-05-16 to amend the project scope to an HOV lane in the eastbound direction only. The eastbound HOV lane project has been completed with \$10,000,000 TCRP savings. The ACTC is proposing to amend the TCRP 31 to update the scope of work to include HOV lanes in eastbound and westbound directions. That will allow the ACTC to transfer TCRP savings from the eastbound HOV Lane project to the westbound HOV lane project. It should be noted that the \$10,000,000 of TCRP funds has yet not been allocated but is included in the Tier 1 portion of the TCRP allocation plan previously approved by the Commission.

The Metropolitan Transportation Commission concurs with the above proposed changes.

RESOLUTION CMIA-PA-1112-029
TCRP RESOLUTION TAA-11-05,

Be it Resolved, that the California Transportation Commission does hereby amend the Corridor Mobility Improvement Account (CMIA) baseline agreements for Segment 1 (Greenville to Portola, PPNO 0112A), Segment 2 (Portola to Hacienda, PPNO 0112D), and Segment 3 (Construct auxiliary lanes and widen Arroyo Las Positas Bridges at two locations, PPNO 0112E) of the I-580 Eastbound HOV Lane project and the Traffic Congestion Relief Program application for TCRP 31 – Route 580; construct eastbound HOV lanes from Tassajara Road/Santa Rita Road to Vasco Road in Alameda County in accordance with the information described above and illustrated in the following tables.

REVISE PPNO 0112A: I-580 Eastbound HOV Lane – Greenville to Portolla (Segment 1)

County	District	PPNO	EA	Element	Const. Year	PMBack	PMAhead	Route/Corridor					
Alameda	4	0112A	290841	CO	2007-08	R7.8	R13.2	580					
Implementing Agency: (by component)	PA&ED	ACTC					PS&E	ACTC					
	R/W	ACTC					CON	Department					
RTPA/CTC:	Metropolitan Transportation Commission												
Project Title:	Eastbound I-580 HOV Lane-Hacienda to Greenville #1												
Location	In Alameda county on Route 580.												
Description:	Construct EB HOV lane from Greenville Road to Portolla Avenue; construct aux lanes from First St. to Vaso Rd; rehabilitate pavement; and build soundwall at First St.												
(DOLLARS IN THOUSANDS)													
FUND	TOTAL	Project Totals by Fiscal Year					Project Totals by Component						
		Prior	10/11	11/12	12/13	13/14	14/15	R/W	CON	PA&ED	PS&E	R/W Supp	CON Supp
Regional Improvement Program (RIP)													
Existing	8,395	8,395						8,395					
Change	0	0						0					
Proposed	8,395	8,395						8,395					
State Bond - Corridor Mobility Improvement Account (CMIA)													
Existing	29,037	29,037						23,337					5,700
Change	0	0						0					0
Proposed	29,037	29,037						23,337					5,700
Traffic Congestion Relief Program (TCRP)													
Existing	3,325	3,325							3,325				
Change	0	0							0				
Proposed	3,325	3,325							3,325				
State Highway Operation and Protection Program (SHOPP)													
Existing	12,828	12,828						12,828					
Change	(5,000)	(5,000)						(5,000)					
Proposed	7,828	7,828						7,828					
Federal Demonstration (Demo) funds													
Existing	2,850	2,850						2,850					
Change	0	0						0					
Proposed	2,850	2,850						2,850					
Local Funds (Alameda County Transportation Commission)													
Existing	2,845	2,845							2,375	470			
Change	0	0							0	0			
Proposed	2,845	2,845							2,375	470			
Total													
Existing	59,280	59,280						47,410	5,700	470			5,700
Change	(5,000)	(5,000)						(5,000)	0	0			0
Proposed	54,280	54,280						42,410	5,700	470			5,700

NOTE: The funding plan above reflects Segment 1 close-out savings of \$5,000,000 SHOPP funds that are being proposed to transfer to Segment 3 to complete the deferred scope of work relating to the final RAC lift.

REVISE PPNO 0112D: I-580 Eastbound HOV Lane – Portolla to Hacienda (Segment 2)

County	District	PPNO	EA	Element	Const. Year	PMBack	PMAhead	Route/Corridor						
Alameda	4	0112D	290831	CO	2008-09	13.2	19.1	580						
Implementing Agency: (by component)		PA&ED	ACTC				PS&E	ACTC						
		R/W	ACTC				CON	ACTC						
RTPA/CTC:		Metropolitan Transportation Commission												
Project Title:		Eastbound I-580 HOV Lane-Hacienda to Greenville #2												
Location:		In Alameda County on Route 580.												
Description:		Construct HOV lane w/ allowance for future HOT lane conversion in the median from Portola Ave to Hacienda Dr. Rehabilitate the pavement. Construct aux. lane from El Charro to Airway and construct foundations and columns for I-580/Isabel Interchange project.												
(DOLLARS IN THOUSANDS)														
FUND	TOTAL	Project Totals by Fiscal Year						Project Totals by Component						
		Prior	10/11	11/12	12/13	13/14	14/15	R/W	CON	PA&ED	PS&E	R/W Supp	CON Supp	
Regional Improvement Program (RIP)														
Existing	9,274	9,274							9,274					
Change	0	0							0					
Proposed	9,274	9,274							9,274					
State Bond - Corridor Mobility Improvement Account (CMIA)														
Existing	5,765	5,765							4,600					1,165
Change	0	0							0					0
Proposed	5,765	5,765							4,600					1,165
Traffic Congestion Relief Program (TCRP) - ACTC														
Existing	3,675	3,675								3,675				
Change	0	0								0				
Proposed	3,675	3,675								3,675				
Traffic Congestion Relief Program (TCRP) - Department														
Existing	18,000	8,000	7,000	3,000					12,260					5,740
Change	(10,000)	0	(7,000)	(3,000)					(7,553)					(2,447)
Proposed	8,000	8,000	0	0					4,707					3,293
State Highway Operation and Protection Program (SHOPP)														
Existing	14,172	14,172							14,172					
Change	0	0							0					
Proposed	14,172	14,172							14,172					
Federal Demonstration (Demo) funds														
Existing	2,450	2,450							2,450					
Change	0	0							0					
Proposed	2,450	2,450							2,450					
Local Funds - Alameda County Transportation Commission														
Existing	3,155	3,155								2,625	530			
Change	0	0								0	0			
Proposed	3,155	3,155								2,625	530			
Total														
Existing	56,491	46,491	7,000	3,000					42,756	6,300	530			6,905
Change	(10,000)	0	(7,000)	(3,000)					(7,553)	0	0			(2,447)
Proposed	46,491	46,491	0	0					35,203	6,300	530			4,458

NOTE: The funding plan above reflects project savings of \$10,000,000 TCRP funds that are proposed to be used for the westbound HOV Lane project.

REVISE PPNO 0112E: I-580 Eastbound HOV Lane – Construct auxiliary lanes and widen Arroyo Las Positas Bridges at two locations (Segment 3)

County	District	PPNO	EA	Element	Const. Year	PMBack	PMAhead	Route/Corridor					
Alameda	4	0112E	29085	CO	2011-12	R7.8	R19.1	580					
Implementing Agency: (by component)		PA&ED	ACTC			PS&E	ACTC						
		R/W	ACTC			CON	Department						
RTPA/CTC:	Metropolitan Transportation Commission												
Project Title:	I-580 Eastbound and Westbound HOV Lane (Segment 3)												
Location	In Alameda County on 580, from Hacienda to Greenville												
Description:	Construct E/B auxiliary lanes and widen Arroyo Las Positas Bridges at two locations in the E/B direction.												
(DOLLARS IN THOUSANDS)													
FUND	TOTAL	Project Totals by Fiscal Year						Project Totals by Component					
		Prior	10/11	11/12	12/13	13/14	14/15	R/W	CON	PA&ED	PS&E	R/W Supp	CON Supp
State Bond - Corridor Mobility Improvement Account (CMIA)													
Existing	21,563	21,563		0				19,028					2,535
Change	0	(21,563)		21,563				0					0
Proposed	21,563	0		21,563				19,028					2,535
Local Funds - Alameda County Transportation Commission													
Existing	3,060	1,120	0	1,940				0	1,700	350	770		240
Change	10,325	2,025	400	7,900				400	7,125	1,225	800		775
Proposed	13,385	3,145	400	9,840				400	8,825	1,575	1,570		1,015
State Operation and Protection Program (SHOPP)													
Existing	0			0				0					
Change	5,000			5,000				5,000					
Proposed	5,000			5,000				5,000					
Total													
Existing	24,623	22,683	0	1,940				0	20,728	350	770		2,775
Change	15,325	(19,538)	400	34,463				400	12,125	1,225	800		775
Proposed	39,948	3,145	400	36,403				400	32,853	1,575	1,570		3,550