

Memorandum

To: CHAIR AND COMMISSIONERS
CALIFORNIA TRANSPORTATION COMMISSION

CTC Meeting: June 22-23, 2011

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

From: NORMA ORTEGA
Chief Financial Officer

Prepared by: Rachel Falsetti
Division Chief
Transportation Programming

Subject: **CMIA PROJECT AMENDMENT**
RESOLUTION CMIA-PA-1011-031

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 2 (from Contra Loma Boulevard to Lone Tree Way, PPNO 0192H) and Segment 3 (from Lone Tree Way to Route 160 PPNO 0192I) of the State Route 4 East Widening project in Contra Costa County.

ISSUE:

The Department and the Contra Costa Transportation Authority (CCTA) propose to amend the CMIA baseline agreements for the Segment 2 (from Contra Loma Boulevard to Lone Tree Way, PPNO 0192H) and Segment 3 (from Lone Tree Way to Route 160 PPNO 0192I) of the State Route 4 East Widening project to:

1. Update the funding plan and the delivery schedule for Segment 2.
2. Update the project scope of the Segment 3 project by: (a) shortening the westbound high occupancy vehicle (HOV) lane by about 0.8 mile, (b) adding a westbound auxiliary lane between Hillcrest Avenue and State Route (SR) 160, and (c) replacing the Roosevelt Pedestrian Undercrossing.
3. Split the Segment 3 project into two sub-segments, Segment 3A and Segment 3B.
4. Change the implementing agency for Segment 3B, from the Department to the CCTA.
5. Update the project limits for the Segment 3 project.

BACKGROUND:

At its February 2010 meeting, the Commission approved resolution CMIA-0910-019 which split the overall State Route 4 East Widening project into following three roadway contracts:

Segment 1 (PPNO 0192F): Widen SR 4 from Somersville Road to Contra Loma/L Street and reconstruct Somersville Road Interchange.

Segment 2 (PPNO 0192H): Widen SR 4 from Contra Loma Boulevard/L Street to Lone Tree Way/A Street, reconstruct Contra Loma Boulevard/L Street Interchange, and replace G Street Overcrossing.

Segment 3 (PPNO 0192I): Widen SR 4 from Lone Tree Way/A Street to SR 160 and partially reconstruct Lone Tree Way/A Street Interchange, replace Cavallo Road Undercrossing, and partially reconstruct Hillcrest Avenue Interchange.

As part of the above baseline amendment, the project scope was also updated by adding work related to the Eastern Contra Costa Rail Extension project (e-BART) by the Bay Area Rapid Transit (BART).

Changes to Segment 2

At its September 2010 meeting, the Commission approved an additional \$4,731,000 in State-Local Partnership Program (SLPP) funds for the overall State 4 Route East Widening. These funds replace an equal amount of the local funds currently programmed to construction of Segment 2. There is no change to the overall cost of the project.

There is a concurrent Letter of No Prejudice (LONP) request for Commission approval to allow CCTA use local funds in lieu of the CMIA funds currently programmed but unavailable due to the lack of a bond sale. The updated project schedule listed below is contingent upon the Commission approval of the LONP request. The delay in schedule is due to the extra time that was needed to incorporate comments by the various stakeholders into the final Plans, Specification, and Estimates (PS&E) package.

Project Milestone	Existing	Proposed
End Design Phase (RTL)	Mar 2011	June 2011
Begin Construction Phase	July 2011	Sep 2011
End Construction Phase	Nov 2013	Feb 2015
Begin Close-out Phase	Nov 2013	Feb 2015
End Close-out Phase	Nov 2014	Feb 2016

Changes to Segment 3

Changes to project scope

The original project scope of Segment 3 included constructing a westbound HOV lane within the project limits. The revised traffic operational analysis indicates that shortening this westbound HOV lane by about 0.8 mile and adding a westbound auxiliary lane between SR 160 and the Hillcrest Avenue westbound off-ramp will yield the same operational benefits.

The original project scope had included the extension of the Roosevelt Pedestrian Undercrossing. During the design phase, however, it was determined that the existing structure at the Roosevelt Pedestrian Undercrossing will not be able to carry additional e-BART train loads. As a result, a

decision was made to replace the existing pedestrian undercrossing. Any additional costs associated with replacement are funded by the BART.

An environmental revalidation is currently underway and is expected to be completed in May 2011.

There is no change to the overall project cost as a result of these project scope changes.

Split the project into two segments and change implementing agency for one contract

The Segment 3 project is proposed to be split into two sub-segments:

- A. Segment 3A (PPNO 0192I): Widen SR 4 from Lone Tree Way to Hillcrest Avenue. This project will widen SR 4 from four lanes to eight lanes, partially reconstruct the Lone Tree Way Interchange, and replace the Cavallo Undercrossing and the Roosevelt Pedestrian Undercrossing.
- B. Segment 3B (PPNO 0192L): Widen SR 4 from Hillcrest Avenue to State Route 160. This project will widen SR 4 from four lanes to six lanes, construct an auxiliary lane between SR 160 and Hillcrest Avenue westbound off-ramp, and partially reconstruct the Hillcrest Avenue Interchange.

Splitting the overall Segment 3 project into two contracts will facilitate more competitive bids. Furthermore, the design for the Segment 3B contract must be coordinated with the location of the future e-BART station at Hillcrest Avenue. In order to minimize throw-away costs and inconvenience to the travelling public, several improvements for this e-BART Station will be included in Segment 3B. These improvements include a pedestrian overcrossing from the median to the north side of SR 4, foundation work for the median transit platform and a maintenance tunnel that will go under the future westbound lanes. Because of these coordination challenges, the Segment 3B contract will not be ready for delivery until May 2012; however, splitting the overall project will help Segment 3A to be delivered early. In addition, CCTA is proposing to program all CMIA funds to Segment 3A. The Segment 3B will be delivered using local funds.

Since Segment 3B includes a significant amount of non-highway work related to the e-BART project, CCTA has proposed to be the implementing agency for this contract. This change in implementing agency will also allow better coordination among the stakeholders.

Updating project limits

The above proposed changes to the project scope require updating the beginning Post Mile of Segment 3 from 27.2 to 27.3 in order to conform it to the final roadway striping plans. Furthermore, the ending Post Mile is being extended from R29.6 to R30.5 to match the newly constructed SR 4 Bypass at SR 160 and the proposed westbound auxiliary lane between SR 160 and the Hillcrest Avenue off-ramp.

Schedule Update

The table below lists major delivery milestones for both segments 3A and 3B.

Project Milestone	Existing	Proposed	
	Segment 3 Baseline	Segment 3A (0192I)	Segment 3B (0192L)
End Right of Way Phase	Dec 2011	June 2011	Apr 2012
End Design Phase (RTL)	Dec 2011	Sep 2011	May 2012
Begin Construction Phase	Mar 2012	Feb 2012	Oct 2012
End Construction Phase	Dec 2014	Dec 2014	Dec 2014
Begin Close-out Phase	Dec 2014	Dec 2014	Dec 2014
End Close-out Phase	Dec 2015	Dec 2015	Dec 2015

The Metropolitan Transportation Commission concurs with the changes.

RESOLUTION CMIA-PA-1011-031

Be it Resolved, that the California Transportation Commission does hereby amend the Corridor Mobility Improvement Account baseline agreements for Segment 2 (from Contra Loma Boulevard to Lone Tree Way, PPNO 0192H) and Segment 3 (from Lone Tree Way to Route 160, PPNO 0192I) for the State Route 4 East Widening project in accordance with the information described above and illustrated in the following tables.

Revised Segment 2: State Route 4 East Widening, from Contra Loma Boulevard to Lone Tree Way (PPNO 0192H)

County	District	PPNO	EA	Element	Const. Year	PM Back	PMAhead	Route/Corridor					
Contra Costa	4	0192H	2285E	CO	2010-11	26.6	27.5	4					
Implementing Agency: (by component)		PA&ED	CCTA				PS&E	CCTA					
		R/W	CCTA				CON	Department					
RTPA/CTC:	Metropolitan Transportation Commission												
Project Title:	SR-4 East Widening Segment 2 between Contra Loma Boulevard and Lone Tree Way												
Location	In Antioch, on Route 4 East, from Contra Loma Boulevard and Lone Tree Way												
Description:	Widen from four to eight lanes.												
(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	25,200		25,200					19,300					5,900
Change	0		0					0					0
Proposed	25,200		25,200					19,300					5,900
State Bond - State Local Partnership Program (SLPP)													
Existing	5,253		5,253					5,253					
Change	4,731		4,731					4,731					
Proposed	9,984		9,984					9,984					
Local Funds (CCTA)													
Existing	87,729	20,417	67,312				12,013	59,447	88	8,316			7,865
Change	(4,731)	0	(4,731)				0	(4,731)	0	0			0
Proposed	82,998	20,417	62,581				12,013	54,716	88	8,316			7,865
Local Funds (BART)													
Existing	4,368	438	3,930					3,300		438			630
Change	0	0	0					0		0			0
Proposed	4,368	438	3,930					3,300		438			630
Total													
Existing	122,550	20,855	101,695				12,013	87,300	88	8,754			14,395
Change	0	0	0				0	0	0	0			0
Proposed	122,550	20,855	101,695				12,013	87,300	88	8,754			14,395

**Revised Segment 3: State Route 4 East Widening, from Lone Tree Way to Route 160
(PPNO 0192I)**

County	District	PPNO	EA	Element	Const. Year	PMBack	PM Ahead	Route/Corridor					
Contra Costa	4	0192I	2285F	CO	2011-12	27.2 27.3	R29.6 R30.5	4					
Implementing Agency: (by component)		PA&ED	CCTA				PS&E	CCTA					
		R/W	CCTA				CON	Department/CCTA					
RTPA/CTC:		Metropolitan Transportation Commission											
Project Title:		SR-4 East Widening Segment 3, between Lone Tree Way to Route 160											
Location		In Antioch, on Route 4 East, from Lone Tree Way to Route 160											
Description:		Widen from four to eight lanes (Lone Tree to Hillcrest) and from four to six lanes (Hillcrest to Route 160)											
(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	43,100			43,100					32,900				10,200
Change	0			0					0				0
Proposed	43,100			43,100					32,900				10,200
State Bond - State Local Partnership Program (SLPP)													
Existing	5,012			5,012					5,012				
Change	0			0					0				
Proposed	5,012			5,012					5,012				
Local Funds (CCTA)													
Existing	147,576	29,922		117,654				15,812	105,348	148	13,962		12,306
Change	0							0	9,892	0	0		(9,892)
Proposed	147,576	29,922		117,654				15,812	115,240	148	13,962		2,414
Local Funds (BART)													
Existing	15,112	742		14,370					12,200		742		2,170
Change	0								1,395		0		(1,395)
Proposed	15,112	742		14,370					13,595		742		775
Total													
Existing	210,800	30,664		180,136				15,812	155,460	148	14,704		24,676
Change	0	0		0				0	11,287	0	0		(11,287)
Proposed	210,800	30,664		180,136				15,812	166,747	148	14,704		13,389

Note: Since Segment 3B construction will be implemented by CCTA, \$11,287,000 local funds currently programmed to Construction Support are being reprogrammed to Construction Capital for that contract.

The Segment 3 is now further split into two contracts, Segment A and Segment 3B.

Segment 3A: State Route 4 East Widening, from Lone Tree Way to Hillcrest Avenue
(PPNO 0192I)

County	District	PPNO	EA	Element	Const. Year	PM Back	PM Ahead	Route/Corridor					
Contra Costa	4	0192I	1G940	CO	2011-12	27.3	R29.0	4					
Implementing Agency: (by component)		PA&ED	CCTA			PS&E	CCTA						
		R/W	CCTA			CON	Department						
RTPA/CTC:		Metropolitan Transportation Commission											
Project Title:		SR-4 East Widening Segment 3A, between Lone Tree Way to Hillcrest Avenue											
Location		In Antioch, on Route 4 East, from Lone Tree Way to Hillcrest Avenue											
Description:		Widen from four to eight lanes.											
(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	43,100			43,100				32,900					10,200
Change	0			0				0					0
Proposed	43,100			43,100				32,900					10,200
State Bond - State Local Partnership Program (SLPP)													
Existing	5,012			5,012				5,012					
Change	0			0				0					
Proposed	5,012			5,012				5,012					
Local Funds (CCTA)													
Existing	147,576	29,922		117,654			15,812	105,348	148	13,962			12,306
Change	(101,550)	(11,421)		(90,129)			(4,092)	(80,237)	(68)	(7,261)			(9,892)
Proposed	46,026	18,501		27,525			11,720	25,111	80	6,701			2,414
Local Funds (BART)													
Existing	15,112	742		14,370				12,200		742			2,170
Change	(8,805)	0		(8,805)				(7,410)		0			(1,395)
Proposed	6,307	742		5,565				4,790		742			775
Total													
Existing	210,800	30,664		180,136			15,812	155,460	148	14,704			24,676
Change	(110,355)	(11,421)		(98,934)			(4,092)	(87,647)	(68)	(7,261)			(11,287)
Proposed	100,445	19,243		81,202			11,720	67,813	80	7,443			13,389

Segment 3B: State Route 4 East Widening, from Hillcrest Avenue to SR 160 (PPNO 0192L)

County	District	PPNO	EA	Element	Const. Year	PMBack	PMAhead	Route/Corridor					
Contra Costa	4	0192I	1G941	CO	2011-12	28.6	R30.5	4					
Implementing Agency: (by component)	PA&ED	CCTA					PS&E	CCTA					
	R/W	CCTA					CON	CCTA					
RTPA/CTC:	Metropolitan Transportation Commission												
Project Title:	SR-4 East Widening Sement 3B, from Hillcrest Avenue to SR 160												
Location	In Antioch, on Route 4 East, from Hillcrest Avenue to SR 160												
Description:	Widen from four to six lanes.												
(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
Local Funds (CCTA)													
Existing	0	0		0			0	0	0	0			
Change	101,550	11,421		90,129			4,092	90,129	68	7,261			
Proposed	101,550	11,421		90,129			4,092	90,129	68	7,261			
Local Funds (BART)													
Existing	0			0				0					
Change	8,805			8,805				8,805					
Proposed	8,805			8,805				8,805					
Total													
Existing	0	0		0			0	0	0	0			
Change	110,355	11,421		98,934			4,092	98,934	68	7,261			
Proposed	110,355	11,421		98,934			4,092	98,934	68	7,261			