

# Memorandum

To: CHAIR AND COMMISSIONERS

CTC Meeting: February 24-25, 2010

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

From: NORMA ORTEGA  
Chief Financial Officer

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Proposition 1B

Subject: **CMIA PROJECT AMENDMENT**  
**RESOLUTION CMIA-PA-0910-019**

## **RECOMMENDATION:**

The California Department of Transportation (Department) recommends that the California Transportation Commission (Commission) amend the Corridor Mobility Improvement Account (CMIA) baseline agreement for the State Route 4 East Widening from Somersville to Route 160 project (PPNO 0192F).

## **ISSUE:**

The Department and the Contra Costa Transportation Authority (CCTA) propose to amend the CMIA baseline agreement for the State Route 4 East Widening from Somersville to Route 160 project (PPNO 0192F) to:

1. Update the project scope by adding work related to the Eastern Contra Costa County Rail Extension project (e-BART) by the Bay Area Rapid Transit (BART) District.
2. Update the overall project funding plan as follows:
  - Reduce Right of Way (R/W) from \$66,700,000 to \$44,200,000.
  - Replace \$5,012,000 local funds with equal amount of State Local Partnership Program funds.
  - Reprogram \$1,600,000 Federal Demonstration (Demo) funds from Plans, Specifications, and Estimate to Construction Capital in exchange for equal amount of local funds.
  - Combine various types of local funds (Regional Measure 2, Measure C, Measure J, etc.) into a single category of local funds.
3. Split the updated combined project into three roadway contracts and one follow-up landscape contract.

## **BACKGROUND:**

The State Route 4 East Widening from Somersville to Route 160 project (PPNO 0192F) is located in Contra Costa County. The proposed project will:

- Widen SR 4 East to eight lanes (three mixed flow lanes and one high occupancy vehicle [HOV] lane in each direction) from Somersville Road to Hillcrest Avenue.
- Add auxiliary lanes and construct a wide median for transit from Somersville Road to Hillcrest Avenue.

- Widen SR 4 to six lanes (three mixed flow lanes in each direction) from Hillcrest Avenue to the interchange with SR 160/SR 4 bypass.
- Reconstruct Somersville Road Interchange and Contra Loma/L Street Interchange, and replace G Street Overcrossing and Cavallo Road Undercrossing.
- Partially reconstruct Lone Tree Way/A Street and Hillcrest Avenue Overcrossings.

Once completed, the project will improve safety and reduce traffic congestion by providing 14 miles of HOV lanes from SR 242 (City of Concord) to Hillcrest Avenue in the city of Antioch.

### **Addition to Project Scope**

The e-BART is a 10-mile extension of the current mass transit system in Eastern Contra Costa County that will run in the median of SR 4. This BART project will extend passenger rail service from the Pittsburg/Bay Point BART Station to the vicinity of Hillcrest Avenue in the city of Antioch. As described above in the project scope, the SR 4 East Widening project will construct a wide median to accommodate e-BART project. Some additional e-BART project improvements are proposed to be included in the freeway project. The efficiencies of combining these two contracts will result in savings in the overall cost of delivering both projects. In addition, combining projects will reduce throw-away costs and avoid unnecessary disruption to the traveling public. The components of the e-BART project scope that will be constructed as part of the SR 4 Widening project include: 1) e-BART structures at Somersville Road, Contra Loma Boulevard/L Street, A Street/Lone Tree Way, and Cavallo Road crossings, 2) underground drainage systems, 3) underground electrical system conduits, and 4) sub-ballast. These BART extension improvements could not be originally included in the freeway widening project as the environmental document for these improvements was completed in 2009. The total estimated cost for the additional scope is \$24,200,000 and will be funded entirely by local funds. The additions to the project scope will not impact the delivery of the SR-4 widening project.

### **Decrease in Right of Way Budget**

The right of way budget has been revised from \$66,700,000 to \$44,200,000, a decrease of \$22,500,000. The right of way acquisition costs have significantly decreased due to a general decline of property values since 2006, and also due to reduced right of way acquisition needs that have resulted from various design refinements that were aimed at reducing impacts to the right of way.

### **Split the project into four segments**

The overall project is proposed to be split into four segments.

Segment 1 (PPNO 0192F): Widen SR 4 from Somersville Road to Contra Loma/L Street and reconstruct Somersville Road Interchange. This contract also includes construction of an e-BART structure at Somersville Road, along with the construction of underground drainage, underground electrical work and sub-ballast within the contract limits.

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. This contract also includes construction of an e-BART structure at Contra Loma Boulevard/L Street, along with the construction of underground drainage, conduits for underground electrical work and sub-ballast within the contract limits.

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. This contract also includes construction of e-BART structures at A Street/Lone Tree Way and Cavallo Road, along with the construction of underground drainage, conduits for underground electrical work and sub-ballast within the contract limits.

Segment 4 (PPNO 0192J): Construct follow-up landscaping on SR 4 from Somersville Road to SR 160 Interchange in Contra Costa County.

Splitting the overall project into three roadway contracts and one follow-up landscaping contract will facilitate more competitive bids, encourage small business participation, and allow an earlier completion of Segments 1 and 2. The final roadway contract, Segment 3, will still be completed per the current baseline.

In addition, because landscape projects have long establishment periods, the replacement planting portion (Segment 4) is proposed to be split from the parent project. It is further proposed to remove this landscape project from the CMIA regular reporting requirements since completion is several years after completion of the main contract.

## PROJECT DELIVERY

The table below lists major delivery milestones for all four segments.

<b>Project Milestone</b>	<b>Baseline (0192F)</b>	<b>Segment 1 (0192F)</b>	<b>Segment 2 (0192H)</b>	<b>Segment 3 (0192I)</b>	<b>Follow-up Landscape (0192J)</b>
End Design Phase (RTL)	June 2010	June 2010	Mar. 2011	Dec. 2011	Dec. 2014
Begin Construction Phase	Nov. 2010	Oct. 2010	July 2011	Mar. 2012	Mar. 2015
End Construction Phase	Dec. 2014	Feb. 2013	Nov. 2013	Dec. 2014	Dec. 2018
Begin Close-out Phase	Jan. 2015	Feb. 2013	Nov. 2013	Dec. 2014	Dec. 2018
End Close-out Phase	Dec. 2015	Feb. 2014	Nov. 2014	Dec. 2015	Mar. 2019

The Metropolitan Transportation Commission concurs with the changes.

**RESOLUTION CMIA-PA-0910-019**

Be it Resolved, that the California Transportation Commission does hereby amend the Corridor Mobility Improvement Account baseline agreement for the State Route 4 East Widening from Somersville to Route 160 project (PPNO 0192F) project in accordance with the information described above and illustrated in the following tables.

**REVISED: State Route 4 East Widening from Somersville Road to Route 160 (PPNO 0192F)**

County	District	PPNO	EA	Element	Const. Year	PM Back	PM Ahead	Route/Corridor						
Contra Costa	4	0192F	228511	CO	2009-10	24.5	R29.6	4						
<b>Implementing Agency: (by component)</b>		<b>PA&amp;ED</b>	<b>CCTA</b>			<b>PS&amp;E</b>	<b>CCTA</b>							
		<b>R/W</b>	<b>CCTA</b>			<b>CON</b>	<b>Department</b>							
<b>RTPA/CTC:</b>		Metropolitan Transportation Commission												
<b>Project Title:</b>		State Route 4 East Widening from Somersville to Route 160												
<b>Location:</b>		In Antioch, on Route 4 East between Somersville to Route 160.												
<b>Description:</b>		Widen SR4 to eight lanes (Somersville to Hillcrest), six lanes (Hillcrest to SR160)												
<b>(DOLLARS IN THOUSANDS)</b>														
FUND	TOTAL	Project Totals by Fiscal Year						Project Totals by Component						
		Prior	08/09	09/10	10/11	11/12	12/13	R/W	CON	PA&ED	PS&E	R/W Supp	CON Supp	
<b>Regional Improvement Program (RIP) [R/W (CCTA), CON ( Department)]</b>														
Existing	52,624	10,000		42,624				10,000	40,624					2,000
Change	0	0		0				0	0					0
Proposed	52,624	10,000		42,624				10,000	40,624					2,000
<b>State Bond - Corridor Mobility Improvement Account - Department</b>														
Existing	85,000			85,000					65,000					20,000
Change	0			0					0					0
Proposed	85,000			85,000					65,000					20,000
<b>Federal Demonstration Funds</b>														
Existing	1,600	1,600		0					0		1,600			
Change	0	(1,600)		1,600					1,600		(1,600)			
Proposed	1,600	0		1,600					1,600		0			
<b>Local Development Funds</b>														
Existing	80,000			80,000					80,000					
Change	(80,000)			(80,000)					(80,000)					
Proposed	0			0					0					
<b>Regional Measure 2 and AB 1711 Local Funds</b>														
Existing	110,000	37,600		72,400				37,600	60,300					12,100
Change	(110,000)	(37,600)		(72,400)				(37,600)	(60,300)					(12,100)
Proposed	0	0		0				0	0					0
<b>Measure C Local Funds</b>														
Existing	15,400	15,400						1,000			14,400			
Change	(15,400)	(15,400)						(1,000)			(14,400)			
Proposed	0	0						0			0			
<b>Measure J Local Funds</b>														
Existing	95,123	31,400		63,723				18,100	49,123	300	13,000			14,600
Change	(95,123)	(31,400)		(63,723)				(18,100)	(49,123)	(300)	(13,000)			(14,600)
Proposed	0	0		0				0	0	0	0			0
<b>Local Funds (Combination of various funds)</b>														
Existing	0	0		0				0	0	0	0			0
Change	273,050	63,500		209,550				34,200	182,771	300	29,000			26,779
Proposed	273,050	63,500		209,550				34,200	182,771	300	29,000			26,779
<b>State Bond - State and Local Partnership Program (SLPP) - Department</b>														
Existing	5,253			5,253					5,253					
Change	5,012			5,012					5,012					
Proposed	10,265			10,265					10,265					
<b>BART Local Funds</b>														
Existing	0	0		0					0		0			0
Change	24,200	1,500		22,700					19,500		1,500			3,200
Proposed	24,200	1,500		22,700					19,500		1,500			3,200
<b>Total</b>														
Existing	445,000	96,000		349,000				66,700	300,300	300	29,000			48,700
Change	1,739	(21,000)		22,739				(22,500)	19,460	0	1,500			3,279
Proposed	446,739	75,000		371,739				44,200	319,760	300	30,500			51,979

The revised overall project is now split into three roadway contracts (Segments 1, 2, and 3) and one follow-up landscaping project (Segment 4).

**PPNO 0192F: State Route 4 East Widening from Somersville Road to Route 160 (Segment 1)**

County	District	PPNO	EA	Element	Const. Year	PM Back	PM Ahead	Route/Corridor						
Contra Costa	4	0192F	2285C	CO	2009-10	25.6	26.6	4						
<b>Implementing Agency: (by component)</b>		<b>PA&amp;ED</b>	CCTA			<b>PS&amp;E</b>	CCTA							
		<b>R/W</b>	CCTA			<b>CON</b>	Department							
<b>RTPA/CTC:</b>	Metropolitan Transportation Commission													
<b>Project Title:</b>	State Route 4 East Widening from Somersville to Route 160 (Segment 1)													
<b>Location</b>	In Antioch, on Route 4 East between Somersville to Route 160.													
<b>Description:</b>	Widen SR4 to eight lanes, from Somersville to Contra Loma/L Street.													
<b>(DOLLARS IN THOUSANDS)</b>														
FUND	TOTAL	Project Totals by Fiscal Year						Project Totals by Component						
		Prior	08/09	09/10	10/11	11/12	12/13	R/W	CON	PA&ED	PS&E	R/W Supp	CON Supp	
<b>Regional Improvement Program (RIP) [R/W (CCTA), CON ( Department)]</b>														
Existing	52,624	10,000		42,624				10,000	40,624					2,000
Change	0	0		0				0	0					0
Proposed	52,624	10,000		42,624				10,000	40,624					2,000
<b>State Bond - Corridor Mobility Improvement Account - Department</b>														
Existing	85,000			85,000					65,000					20,000
Change	(68,300)			(68,300)					(52,200)					(16,100)
Proposed	16,700			16,700					12,800					3,900
<b>Federal Demonstration Funds</b>														
Existing	1,600			1,600					1,600					
Change	0			0					0					
Proposed	1,600			1,600					1,600					
<b>Local Funds (Combination of various funds)</b>														
Existing	273,050	63,500		209,550				34,200	182,771	300	29,000			26,779
Change	(255,905)	(51,139)		(204,766)				(27,825)	(182,295)	(236)	(23,078)			(22,471)
Proposed	17,145	12,361		4,784				6,375	476	64	5,922			4,308
<b>State Bond - State and Local Partnership Program (SLPP) - Department</b>														
Existing	10,265	0		10,265					10,265					
Change	(10,265)			(10,265)					(10,265)					
Proposed	0			0					0					
<b>BART Local Funds</b>														
Existing	24,200	1,500		22,700					19,500		1,500			3,200
Change	(19,480)	(1,180)		(18,300)					(15,500)		(1,180)			(2,800)
Proposed	4,720	320		4,400					4,000		320			400
<b>Total</b>														
Existing	446,739	75,000		371,739				44,200	319,760	300	30,500			51,979
Change	(353,950)	(52,319)		(301,631)				(27,825)	(260,260)	(236)	(24,258)			(41,371)
Proposed	92,789	22,681		70,108				16,375	59,500	64	6,242			10,608

**PPNO 0192H: State Route 4 East Widening from Somersville Road to Route 160 (Segment 2)**

County	District	PPNO	EA	Element	Const. Year	PM Back	PM Ahead	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:	State Route 4 East Widening from Somersville to Route 160 (Segment 2)												
Location	In Antioch, on Route 4 East between Somersville Road to Route 160.												
Description:	Widen SR4 to eight lanes, from Contra Loma Boulevard/L Street to Lone Tree Way/A Street												
<b>(DOLLARS IN THOUSANDS)</b>													
FUND	TOTAL	Project Totals by Fiscal Year						Project Totals by Component					
		Prior	08/09	09/10	10/11	11/12	12/13	R/W	CON	PA&ED	PS&E	R/W Supp	CON Supp
<b>Corridor Mobility Improvement Account (CMIA) - Department</b>													
Existing	0				0			0				0	
Change	25,200				25,200			19,300				5,900	
Proposed	25,200				25,200			19,300				5,900	
<b>State Local Partnership Program (SLPP) - Department</b>													
Existing	0				0			0					
Change	5,253				5,253			5,253					
Proposed	5,253				5,253			5,253					
<b>Local Funds (Combination of various funds)</b>													
Existing	0	0			0		0	0	0	0		0	
Change	87,729	20,417			67,312		12,013	59,447	88	8,316		7,865	
Proposed	87,729	20,417			67,312		12,013	59,447	88	8,316		7,865	
<b>BART Local funds</b>													
Existing	0	0			0			0		0		0	
Change	4,368	438			3,930			3,300		438		630	
Proposed	4,368	438			3,930			3,300		438		630	
<b>Total</b>													
Existing	0	0			0		0	0	0	0		0	
Change	122,550	20,855			101,695		12,013	87,300	88	8,754		14,395	
Proposed	122,550	20,855			101,695		12,013	87,300	88	8,754		14,395	

**PPNO 0192I: State Route 4 East Widening from Somersville Road to Route 160 (Segment 3)**

County	District	PPNO	EA	Element	Const. Year	PM Back	PM Ahead	Route/Corridor					
Contra Costa	4	0192I	2285F	CO	2011-12	27.2	R29.6	4					
<b>Implementing Agency: (by component)</b>		<b>PA&amp;ED</b>	CCTA				<b>PS&amp;E</b>	CCTA					
		<b>R/W</b>	CCTA				<b>CON</b>	Department					
<b>RTPA/CTC:</b>	Metropolitan Transportation Commission												
<b>Project Title:</b>	State Route 4 East Widening from Somersville to Route 160 (Segment 3)												
<b>Location</b>	In Antioch, on Route 4 East between Somersville Road to Route 160.												
<b>Description:</b>	Widen to eight lanes (Lone Tree Way/A Street to Hillcrest), six lanes (Hillcrest to Route 160)												
<b>(DOLLARS IN THOUSANDS)</b>													
FUND	TOTAL	Project Totals by Fiscal Year						Project Totals by Component					
		Prior	08/09	09/10	10/11	11/12	12/13	R/W	CON	PA&ED	PS&E	R/W Supp	CON Supp
<b>State Bond - Corridor Mobility Improvement Account - Department</b>													
Existing	0					0		0					0
Change	43,100					43,100		32,900					10,200
Proposed	43,100					43,100		32,900					10,200
<b>State Local Partnership Program (SLPP) - Department</b>													
Existing	0					0		0					
Change	5,012					5,012		5,012					
Proposed	5,012					5,012		5,012					
<b>Local Funds (Combination of various funds)</b>													
Existing	0	0				0		0	0	0	0		0
Change	147,576	29,922				117,654		15,812	105,348	148	13,962		12,306
Proposed	147,576	29,922				117,654		15,812	105,348	148	13,962		12,306
<b>BART Local Funds</b>													
Existing	0	0				0		0			0		0
Change	15,112	742				14,370		12,200			742		2,170
Proposed	15,112	742				14,370		12,200			742		2,170
<b>Total</b>													
Existing	0	0				0		0	0	0	0		0
Change	210,800	30,664				180,136		15,812	155,460	148	14,704		24,676
Proposed	210,800	30,664				180,136		15,812	155,460	148	14,704		24,676

**PPNO 0192J: State Route 4 East Widening from Somersville Road to Route 160 (Segment 4)**

County	District	PPNO	EA	Element	Const. Year	PM Back	PM Ahead	Route/Corridor					
Contra Costa	4	0192J	2285A	CO	2013-14	27.2	R29.6	4					
<b>Implementing Agency: (by component)</b>		<b>PA&amp;ED</b>	CCTA				<b>PS&amp;E</b>	CCTA					
		<b>R/W</b>	CCTA				<b>CON</b>	Department					
<b>RTPA/CTC:</b>	Metropolitan Transportation Commission												
<b>Project Title:</b>	State Route 4 East Widening from Somersville to Route 160 (Segment 4)												
<b>Location</b>	In Antioch, on Route 4 East between Somersville Road to Route 160.												
<b>Description:</b>	Follow-up Landscaping on SR4, from Somersville to SR160												
<b>(DOLLARS IN THOUSANDS)</b>													
FUND	TOTAL	Project Totals by Fiscal Year						Project Totals by Component					
		Prior	08/09	09/10	10/11	11/12	12/13 and beyond	R/W	CON	PA&ED	PS&E	R/W Supp	CON Supp
<b>Local Funds (Combination of various funds)</b>													
Existing	0					0		0		0			0
Change	20,600					20,600		17,500		800			2,300
Proposed	20,600					20,600		17,500		800			2,300
<b>Total</b>													
Existing	0					0		0		0			0
Change	20,600					20,600		17,500		800			2,300
Proposed	20,600					20,600		17,500		800			2,300