

Memorandum

To: CHAIR AND COMMISSIONERS
CALIFORNIA TRANSPORTATION COMMISSION

CTC Meeting: December 14-15, 2011

Reference No.: 2.1b./2.1c.(5)
Information Item

From: NORMA ORTEGA
Chief Financial Officer

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Subject: **MULTI-PROGRAM PROJECT AMENDMENT**
RESOLUTION TCIF-P-1112-013
STIP AMENDMENT 10S-065

SUMMARY:

The California Department of Transportation (Department) will request that the California Transportation Commission (Commission) approve the requested Trade Corridors Improvement Fund (TCIF) baseline agreement amendment and the State Transportation Improvement Program (STIP) amendment at the next scheduled Commission meeting following the notice period.

ISSUE:

The Department and San Diego Association of Governments (SANDAG) propose to amend the TCIF baseline agreement for the TCIF Project 68-Route 11 and Otay Mesa Port of Entry (POE) (PPNO 0999) in San Diego, in the community of Otay Mesa East, to program \$45,500,000 of Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-LU) Border Infrastructure Program (BIP) funds to Design (PS&E) and Right of Way (R/W) Support in Fiscal Year (FY) 2012-13, and to split the project into three separate segments for staged construction.

BACKGROUND:

The Route 11 and Otay Mesa East POE project will construct a new four-lane highway to the Mexico border, freeway-to-freeway connectors and a point of entry. The project will increase capacity to the regional border crossing infrastructure and create a link between the United States regional highway system and the Mexico free-and-toll road system. This link will maintain the economic viability of goods movement through the California/Baja California region.

This project currently includes \$4,900,000 in SAFETEA-LU BIP funding. SAFETEA-LU, enacted in August 2005, authorizes funding through the BIP to improve transportation at international borders and ports of entry, and within trade corridors. This program replaced the Transportation Equity Act for the 21st Century Coordinated Border Infrastructure discretionary program that ended

after 2005. Since the enactment of SAFETEA-LU, California received a total apportionment of \$167,876,722. To date, \$96,993,249 has been obligated to eligible border region projects. Pursuant to Section 164.1 of the California Streets and Highways Code, BIP funds shall be programmed, allocated, and expended in the same manner as other federal funds made available for capital improvement projects in the State Transportation Improvement Program. These BIP funds are eligible in a border region, defined as any portion of a border state within 100 miles of an international land border with Canada or Mexico, for the following types of improvements to facilitate/expedite cross-border motor vehicle and cargo movements:

- Improvements to existing transportation and supporting infrastructure.
- Construction of highways and related safety and safety enforcement facilities related to international trade.
- Operation improvements, including those related to electronic data interchange and use of telecommunications.
- Modifications to regulatory procedures.
- International coordination of transportation planning, programming, and border operation with Canada and Mexico.

Senate Bill 1486 established SANDAG as the Toll Authority for the roadway (Route 11). The legislation also included provisions to deliver the entire project using non-traditional methods. It is foreseen that the Otay Mesa East POE will be delivered using the Design/Build method and the roadway (Route 11) will be delivered using the Design Sequencing method.

Proposal

This amendment proposes to program an additional \$45,500,000 in BIP obligation authority to the Design and R/W Support phases to offset currently programmed local funds which are unavailable at this time. The local funds will ultimately come from bond sales backed by future toll revenues.

This amendment also proposes to split the project into three separate segments to facilitate project delivery. The proposed segments are as follows:

Segment	Segment Description	Post Miles	Proposed TCIF funding
Parent (PPNO 0999)	Environmental programming for entire corridor	SR 11 - 0.0/2.8	\$0
1 (PPNO 0999A)	SR 11/SR 905 Freeway to Freeway Connectors	SR 11 - 0.0/1.3 SR 905 - R8.4/10.1	\$75 million
2 (PPNO 0999B)	SR 11 and Commercial Vehicle Enforcement Facility	SR 11 - 0.0/2.8	\$0
3 (PPNO 0999C)	East Otay Mesa Land POE	SR 11 - 2.4/2.8	\$0

Project Costs

Although the overall project cost has only increased by 0.4 percent, there are significant cost changes to individual components.

Right of Way

R/W Capital has increased by 67 percent and R/W Support has decreased by 25 percent. During the environmental phase, two independent R/W estimate studies were conducted along with analysis by the Department. The studies provided more in-depth market data than what is typically provided at this stage of the environmental phase and concluded a substantial increase in R/W Capital. The anticipated cost increase will be paid for with local funds. The intensive market research done at this early stage in turn concluded a reduced R/W Support estimate.

Construction

Construction Capital has decreased by 10 percent and Construction Support has increased by 39 percent. Construction Capital decreased due to a more detailed engineering analysis which decreased project unit prices. Construction Support has increased substantially because the delivery method for the project has been modified to a Design-Build method for the POE (Segment 3) and Design Sequencing for the remainder of Route 11, including the freeway to freeway connector (Segment 1) and Commercial Vehicle Enforcement Facility (CVEF) (Segment 2). It is anticipated that the POE (Segment 3) will be administered by SANDAG.

Adjustments to the overall project are as follows:

County	District	PPNO	EA	Element	Const. Year	PM Back	PM Ahead	Route/Corridor					
San Diego	11	0999	5631	CO	2012-13	0.0	2.7	11					
Implementing Agency: (by component)		PA&ED	Caltrans			PS&E	Caltrans						
		R/W	Caltrans			CON	Caltrans						
RTPA/CTC:		San Diego Association of Governments											
Project Title:		Route 11 and Otay Mesa Port of Entry (POE)											
Location		In East Otay Mesa, from Route 905 and future Route 125/905 junction to the U.S./Mexico Border.											
Description:		Construct new 4 lane highway and POE.											
(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
IIP													
Existing	6,600	6,600							6,600				
Change	0	0							0				
Proposed	6,600	6,600							6,600				
State Bond													
Existing	75,000				75,000			75,000					
Change	0				0			(8,200)					8,200
Proposed	75,000				75,000			66,800					8,200
Federal Disc. (SAFETEA-LU)													
Existing	4,900	4,900						4,900					
Change	45,500	0			45,500			0	39,200	6,300			
Proposed	50,400	4,900			45,500			4,900	39,200	6,300			
Demo													
Existing	800	800						800					
Change	0	0						0					
Proposed	800	800						800					
Local Funds													
Existing	626,420	123,070			503,350			72,000	463,000		42,690	8,380	40,350
Change	(42,720)	(3,070)			(39,650)			48,000	(47,000)		(42,690)	(8,380)	7,350
Proposed	583,700	120,000			463,700			120,000	416,000		0	0	47,700
Total													
Existing	713,720	135,370			578,350			72,000	538,000	12,300	42,690	8,380	40,350
Change	2,780	(3,070)			5,850			48,000	(55,200)	0	(3,490)	(2,080)	15,550
Proposed	716,500	132,300			584,200			120,000	482,800	12,300	39,200	6,300	55,900

Schedule

The complex connectivity between the existing freeway facilities and the proposed facilities, which include the POE, the CVEF and freeway to freeway connector ramps at State Route (SR)-11/905/125, coupled with the proximity to the border and the stakeholder coordination, has caused a delay to the delivery of the environmental document by 16 months. This will cause a delay in delivery as shown in the table below. However, it is anticipated that the programmed stages of the project can still be delivered within the Trade Corridor Improvement Funds (TCIF) guidelines.

	Original TCIF Project	Segment 1 (PPNO 0999A)	Segment 2 (PPNO 0999B)	Segment 3 (PPNO 0999C)
Project Milestone	Current Baseline	Proposed	Proposed	Proposed
Draft Project Report	Mar 10	July 01 (A)	Dec 10 (A)	Dec 10 (A)
Begin Environmental Phase	May 07 (A)	May 07 (A)	May 07 (A)	May 07 (A)
End Environmental Phase	Dec 12	Sept 04 (A)	Apr 12	Apr 12
Begin Design Phase	Apr 10	July 11 (A)	Nov 11	Nov 11
End Design Phase (RTL)	Dec 12	Apr 13	July 13	July 13
Begin Right of Way	Jan 11	Nov 11	Nov 11	Nov 11
End Right of Way	Dec 12	Apr 13	July 13	July 13
Begin Construction Phase	Apr 13	July 13	Oct 13	Sept 13
End Construction Phase	Mar 16	Mar 16	Jun 16	Mar 16
Begin Close-out Phase	Apr 16	Apr 16	Oct 16	Apr 16
End Close-out Phase	Apr 18	Apr 18	Oct 18	Apr 18

(A) = Actual

Project Segments

It is proposed to split the project into separate segments as follows:

Original (parent) Segment (PPNO 0999): In East Otay Mesa, from SR 905 and future SR 125/905 junction to the U.S./Mexico Border. Construct new 4 lane highway and POE. SR 11 and Otay Mesa POE – Environmental Only.

County	District	PPNO	EA	Element	Const. Year	PM Back	PM Ahead	Route/Corridor					
San Diego	11	0999	5631	CO	2012-13	0.0	2.8	11					
Implementing Agency: (by component)		PA&ED	Caltrans			PS&E							
		R/W				CON							
RTPA/CTC:		San Diego Association of Governments											
Project Title:		Route 11 and Otay Mesa Port of Entry (POE)											
Location		In East Otay Mesa, from Route 905 and future Route 125/905 junction to the U.S./Mexico Border.											
Description:		Construct new 4 lane highway and POE - ENVIRONMENTAL ONLY											
(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
IIP													
Existing	6,600	6,600								6,600			
Change	0	0								0			
Proposed	6,600	6,600								6,600			
State Bond													
Existing	75,000				75,000				75,000				
Change	(75,000)				(75,000)				(75,000)				
Proposed	0				0				0				
Federal Disc. (SAFETEA-LU)													
Existing	4,900	4,900								4,900			
Change	0	0								0			
Proposed	4,900	4,900								4,900			
Demo													
Existing	800	800								800			
Change	0	0								0			
Proposed	800	800								800			
Local Funds													
Existing	626,420	123,070			503,350			72,000	463,000		42,690	8,380	40,350
Change	(626,420)	(123,070)			(503,350)			(72,000)	(463,000)		(42,690)	(8,380)	(40,350)
Proposed	0	0			0			0	0		0	0	0
Total													
Existing	713,720	135,370			578,350			72,000	538,000	12,300	42,690	8,380	40,350
Change	(701,420)	(123,070)			(578,350)			(72,000)	(538,000)	0	(42,690)	(8,380)	(40,350)
Proposed	12,300	12,300			0			0	0	12,300	0	0	0

Segment 1 (PPNO 0999A): In San Diego County near San Diego on Route 905 from 0.1 mile west of the Britannia Boulevard overcrossing to 1.6 miles east of the La Media Road undercrossing. Construct SR 905/SR 11 freeway to freeway connectors.

County	District	PPNO	EA	Element	Const. Year	PM Back	PM Ahead	Route/Corridor					
San Diego	11	0999A	5632	CO	2013-14	0.0	1.3	11					
Implementing Agency: (by component)		PA&ED	Caltrans				PS&E	Caltrans					
		R/W	Caltrans				CON	Caltrans					
RTPA/CTC:		San Diego Association of Governments											
Project Title:		SR 11/SR 905 Freeway to Freeway Connectors (Segment 1)											
Location		Near San Diego on Route 905 from 0.1 mile west of Britannia Blvd OC to 1.6 miles east of La Media Road											
Description:		Construction of SR 905/SR 11 freeway to freeway connectors.											
(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													
Existing	0					0			0				0
Change	75,000					75,000			67,100				7,900
Proposed	75,000					75,000			67,100				7,900
Federal Disc. (SAFETEA-LU)													
Existing	0			0							0	0	
Change	9,400			9,400							7,300	2,100	
Proposed	9,400			9,400							7,300	2,100	
Local Funds													
Existing	0			0	0			0					
Change	33,100			31,600	1,500			31,600					1,500
Proposed	33,100			31,600	1,500			31,600					1,500
Total													
Existing	0			0	0	0		0	0		0	0	0
Change	117,500			41,000	1,500	75,000		31,600	67,100		7,300	2,100	9,400
Proposed	117,500			41,000	1,500	75,000		31,600	67,100		7,300	2,100	9,400

Segment 2 (PPNO 0999B): In San Diego County near San Diego on route 11 from 0.1 mile east of the Sanyo Avenue undercrossing to 1.9 miles east of the Sanyo Avenue undercrossing. Construct a new 4 lane highway and commercial vehicle enforcement facility.

County	District	PPNO	EA	Element	Const. Year	PM Back	PM Ahead	Route/Corridor					
San Diego	11	0999B	5633	CO	2013-14	0.0	2.8	11					
Implementing Agency: (by component)	PA&ED	Caltrans				PS&E	Caltrans						
	R/W	Caltrans				CON	Caltrans						
RTPA/CTC:	San Diego Association of Governments												
Project Title:	Route 11 and CVEF (Segment 2)												
Location	In San Diego County near San Diego on Route 11 from 0.1 mile east of Sanyo Avenue undercrossing to 1.9 miles east of Sanyo Avenue undercrossing.												
Description:	Construct new 4 lane highway and commercial vehicle enforcement facility.												
(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													
Existing	0			0		0		0	0				0
Change	225,800			49,900		175,900		49,900	155,800				20,100
Proposed	225,800			49,900		175,900		49,900	155,800				20,100
Federal Disc. (SAFETEA-LU)													
Existing	0			0							0	0	
Change	19,600			19,600							17,500	2,100	
Proposed	19,600			19,600							17,500	2,100	
Total													
Existing	0			0		0		0	0		0	0	0
Change	245,400			69,500		175,900		49,900	155,800		17,500	2,100	20,100
Proposed	245,400			69,500		175,900		49,900	155,800		17,500	2,100	20,100

Segment 3 (PPNO 0999C): In San Diego County near San Diego on SR 11 from 2.4 miles east of the Sanyo Avenue undercrossing to the Mexico border. Construct land port of entry.

County	District	PPNO	EA	Element	Const. Year	PM Back	PM Ahead	Route/Corridor					
San Diego	11	0999C	5634	CO	2013-14	2.4	2.8	11					
Implementing Agency: (by component)	PA&ED	Caltrans					PS&E	SANDAG					
	R/W	SANDAG					CON	SANDAG					
RTPA/CTC:	San Diego Association of Governments												
Project Title:	East Otay Mesa Land Port of Entry (Segment 3)												
Location	In San Diego County near San Diego on Route 11 from 2.4 miles east of Sanyo Avenue undercrossing to Mexico Border.												
Description:	Construction of a Port of Entry at the border with Mexico.												
(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
Federal Disc. (SAFETEA-LU)													
Existing	0			0						0	0		
Change	16,500			16,500						14,400	2,100		
Proposed	16,500			16,500						14,400	2,100		
Local Funds													
Existing	0			0		0	0	0	0				0
Change	324,800			39,800		285,000		39,800	253,000				32,000
Proposed	324,800			39,800		285,000		39,800	253,000				32,000
Total													
Existing	0			0		0	0	0	0	0	0		0
Change	341,300			56,300		285,000		39,800	253,000		14,400	2,100	32,000
Proposed	341,300			56,300		285,000		39,800	253,000		14,400	2,100	32,000