State of California
DEPARTMENT OF TRANSPORTATION

Business, Transportation and Housing Agency

Memorandum

TAB 139

To: CHAIR AND COMMISSIONERS
CALIFORNIA TRANSPORTATION COMMISSION

CTC Meeting: May 7, 2013

Reference No.: 2.1c.(1b)/2.5e.(1)
Action Item

PASSED BY
CTC
MAY - 7 2013
CALIFORNIA
TRANSPORTATION COMMISSION

From: for NORMA ORTEGA
Chief Financial Officer

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Division Chief
Transportation Programming

Subject: **ALLOCATION FOR SUPPLEMENTAL FUNDS FOR PREVIOUSLY VOTED PROJECT AND CORRIDOR MOBILITY IMPROVEMENT ACCOUNT PROJECT BASELINE AMENDMENT RESOLUTION FA-12-25**
RESOLUTION CMIA-PA-1213-19, AMENDING RESOLUTION CMIA-PA-1011-023

RECOMMENDATION:

The Department of Transportation (Department) recommends that the California Transportation Commission (Commission) allocate an additional $2,000,000 in State Transportation Improvement Program (STIP) funds and amend the Proposition 1B Corridor Mobility Improvement Account (CMIA) baseline agreement to update the project funding plan for Segment 2 (Napa County contract) of the State Route 12 Jameson Canyon Widening – Phase 1 project in Napa and Solano Counties.

ISSUE:

Additional funds are needed for one previously voted multi-funded project in order to complete construction. In addition, the CMIA baseline is proposed to be amended to update the project funding plan that will reflect the addition of these funds.

PROJECT DESCRIPTION:

As part of the overall Jameson Canyon Widening – Phase 1 project, Segment 2 (PPNO 0367I) will widen State Route (SR) 12 from two lane highway to four lane expressway, from SR 29 junction to the Napa/Solano County line.

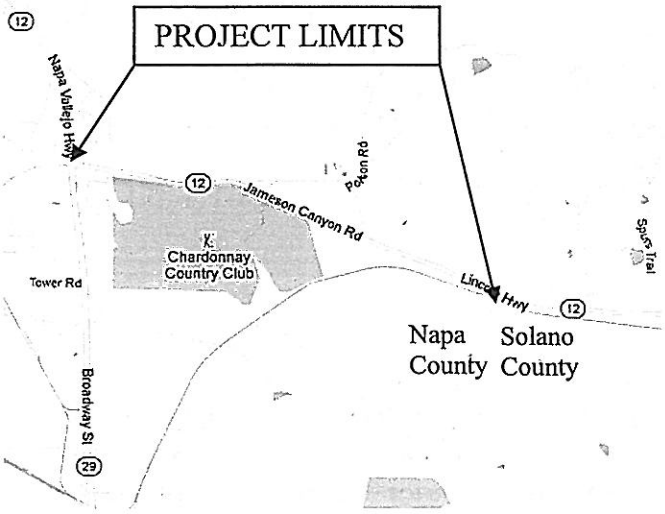
FUNDING STATUS:

The Commission allocated $23,000,000 CMIA, $3,890,000 Interregional Improvement Program (IIP), and $3,710,000 Regional Improvement Program funds in August 2011. The construction contract was awarded in January 2012 with an authorized budget of $24,541,000, which was comprised of $18,518,000 CMIA, $3,083,000 IIP and $2,940,000 Regional Improvement Program (RIP) funds. Both the CMIA and the STIP (IIP/RIP) award savings were returned to the respective programs.

Construction is about 50 percent complete and is expected to be finished by December 2013. However, an additional $2,000,000 is needed to complete construction. This increase is proposed to be proportionally funded with IIP and RIP (Napa and Solano County) funds.

RECOMMENDATION:

The Department recommends that this request for $2,000,000 be approved to allow the Department to complete construction.



REASONS FOR COST INCREASE:

- **Design Inconsistencies**: During the design phase, access to some of the parcels was not available. In the absence of data from actual surveys of these properties, estimated data from the aerial photographs were used to design various project elements. This design risk was included in the project Risk Management Plan. During construction, various inconsistencies were discovered between the construction survey stake-notes and the roadway, drainage, and structures plans. In order to match the field conditions, design revisions were made to various project elements like retaining walls, drainage systems, roadway horizontal alignment and vertical profile. These changes resulted in increase in quantities. **Estimated Cost =$700,000.**

- **Waterline Conflict**: A City of Napa (City) owned 42-inch diameter waterline runs along the outside shoulder of the westbound SR 12. This waterline is within the State right of way limits. The City was provided consultant-designed project plans for its review. However, the project plans provided to the City mistakenly omitted the waterline location on the roadway cross section plans. The design team assumed that the full design surcharge over this waterline was acceptable since no specific comments were received from the City. Subsequently during construction, the City raised concerns about the amount of fill and the methods to place that fill. The City requested the Department to either relocate the waterline outside the State right of way limits or revise the roadway

alignment of the new highway so as to minimize the amount of fill that could be safely placed on this aged waterline. After analyzing the impacts of both alternatives on the project cost and schedule, the Department decided to shift the roadway alignment by about four feet in critical areas to reduce the amount of fill that can be safely placed on this aged waterline. Cost increases also resulted from special handling of fill placement over this waterline as well as structural section quantities and modifications to drainage systems. It should be noted that that the consultant has discounted charged time for changes to plans due to their omissions. **Estimated Cost=$800,000.**

- **Construction delays and work inefficiencies:** Above described changes to the design and construction sequence/activities have resulted in an additional construction season. Water pollution control measures like temporary runoff, slope protection, and creek protection will be needed for one more season. Furthermore, these changes have negatively impacted the contractor's operations, resulting in inefficiencies and delays to his work. **Estimated Cost=$500,000.**

FUNDING OPTIONS:

OPTION A: Approve this request for supplemental funds, as presented above, for $2,000,000 to complete construction.

OPTION B: Eliminate the rubberized hot mix asphalt (RHMA) lift for the entire project limits. **This option does not deliver the full project benefits as outlined in the approved CMIA baseline agreement.**

RECOMMENDED OPTION:

The Department recommends that this request of $2,000,000, as presented in Option A above, be approved to complete construction.

RESOLUTION:

Resolved, that $2,000,000 be allocated from the Budget Act of 2012, Budget Act Item 2660-301-0042, to provide additional funds for the project identified below.

Project	Dist-Co-Rte	Funds	Original Allocated Amount	Current Allocation	Allocation Adjustment	Revised Allocation	% Increase Above Current Allocation
1	04-Napa-12	CMIA	$23,000,000	$18,518,000	$0	$18,518,000	0.0%
		IIP	$3,890,000	$3,083,000	**$1,024,000**	$4,107,000	33.2%
		RIP (Solano)	$2,450,000	$1,942,000	**$645,000**	$2,587,000	33.2%
		RIP(Napa)	$1,260,000	$998,000	**$331,000**	$1,329,000	33.2%
		Total	$30,600,000	$24,541,000	**$2,000,000**	$26,541,000	8.1%

Note: Current allocation amounts reflect award savings.

Project # Allocation Amount Recipient RTPA/CTC Dist-Co-Rte Postmile	Project Title Location Project Description	PPNO Program/ Funding Year Budget Item # Fund Type Program Codes Project ID Adv Phase EA	State Federal Current Amount by Fund Type	State Federal Additional Amount by Fund Type	State Federal Revised Amount by Fund Type
2.5e.(1)	**Supplemental Funds for Previously Voted Projects**				**Resolution FA-12-25**
1 $2,000,000 Department of Transportation MTC Napa 04-Nap-12 0.0/3.2	SR 12 Jameson Canyon Widening - Phase 1 (Segment #2). Near Fairfield, On Route 12 in Napa County, from State Route 29 junction to 0.1 mile west of Napa/Solano County line. Construct two lanes and add a median barrier. (TCRP 157) (Concurrent CMIA baseline agreement amendment under Resolution CMIA-PA-1213-19; May 2013.) Outcome/Outputs: When combined with PPNO 0367D, the overall Jameson Canyon Project will result in daily vehicle hours of delay savings of about 3,898 hours. Supplemental Funds needed to complete construction. Total Revised Amount: $26,541,000	04-0367I CMIA / 2010-11 304-6055 CMIA 20.20.721.000	$18,518,000		$18,518,000
		RIP / 2011-12 (Solano) 301-0042 SHA		$12,900	$12,900
		301-0890 FTF 20.20.075.600	$1,942,000	$632,100	$2,574,100
		RIP / 2011-12 (Napa) 301-0042 SHA		$6,600	$6,600
		301-0890 FTF 20.20.075.600	$998,000	$324,400	$1,322,400
		IIP / 2011-12 301-0042 SHA		$20,500	$20,500
		301-0890 FTF 20.20.025.700 0400002022 4 264134	$3,083,000	$1,003,500	$4,086,500

REVISE: Jameson Canyon Widening – Phase 1 project, Segment 2 (PPNO 0367I)

Napa	4	0367I	26413	CO	2010-11	0.0	3.2	12	
Implementing Agency: (by component)	**PA&ED**	Department			**PS&E**	STA			
	R/W	Department			**CON**	Department			
RTPA/CTC:	Metropolitan Transportation Commission								
Project Title:	SR 12 Jameson Canyon Widening - Phase 1 (Seg #2)								
Location	Near Fairfield, On Route 12 in Napa County, from State Route 29 junction to 0.1 mile west of Napa/County Line.								
Description:	Construct two lanes and add a median barrier. (TCRP 157)								

(DOLLARS IN THOUSANDS)

FUND	TOTAL	Project Totals by Fiscal Year						Project Totals by Component					
		Prior	12/13	13/14	14/15	15/16	16/17	R/W	CON	PA&ED	PS&E	R/W Supp	CON Supp
Regional Improvement Program (RIP)													
Existing	11,310	11,310		0				2,690	2,940	140	1,570	820	3,150
Change	976	0		976				0	976	0	0	0	0
Proposed	**12,286**	11,310		**976**				2,690	**3,916**	140	1,570	820	3,150
Interregional Improvement Program (IIP)													
Existing	5,483	5,483		0					3,083		700		1,700
Change	1,024	0		1,024					1,024		0		0
Proposed	**6,507**	5,483		**1,024**					**4,107**		700		1,700
State Bond - Corridor Mobility Improvement Account (CMIA)													
Existing	18,518	18,518							18,518				
Change	0	0							0				
Proposed	18,518	18,518							18,518				
Traffic Congestion Relief Program (TCRP)													
Existing	1,880	1,880								1,350	530		
Change	0	0								0	0		
Proposed	1,880	1,880								1,350	530		
RSTP													
Existing	690	690								300	390		
Change	0	0								0	0		
Proposed	690	690								300	390		
Federal Demonstration (Demo)													
Existing	2,018	2,018						2,018					
Change	0	0						0					
Proposed	2,018	2,018						2,018					
Total													
Existing	39,899	39,899		0				4,708	24,541	1,790	3,190	820	4,850
Change	2,000	0		2,000				0	2,000	0	0	0	0
Proposed	**41,899**	39,899		**2,000**				4,708	**26,541**	1,790	3,190	820	4,850

NOTE: The RIP supplemental amount of $976,000 consists of contributions of $645,000 (Solano) and $331,000 (Napa).