

# Memorandum

To: CHAIR AND COMMISSIONERS

CTC Meeting: October 14-15, 2009

Reference No.: 2.1b.  
Information Item

From: NORMA ORTEGA  
Chief Financial Officer (Interim)

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Proposition 1B

Subject: **MULTI-PROGRAM PROJECT AMENDMENT**  
**RESOLUTION CMIA-PA-0910-010**  
**STIP AMENDMENT 08S-057**  
**TCRP RESOLUTION TAA-09-11**

## **SUMMARY:**

The California Department of Transportation (Department), the Solano Transportation Authority, and the Napa County Transportation and Planning Agency propose to amend the Corridor Mobility Improvement Account (CMIA) baseline agreement and the 2008 State Transportation Improvement Program (STIP) for the State Route 12 Jameson Canyon Widening – Phase 1 project (PPNO 0367D, TCRP 157) as follows:

1. Redistribute environmental phase programming not attributable to the CMIA Phase 1 project to a new Phase 2 project (PPNO 0367H).
2. Make minor adjustments to the project post miles of the CMIA Phase 1 project to more accurately reflect the actual project limits.
3. Split the CMIA Phase 1 project into two roadway contracts and one follow-up landscape contract.

The Department will request that the California Transportation Commission (Commission) approve the CMIA baseline agreement amendment and STIP amendment at the next scheduled Commission meeting following the notice period.

## **REDISTRIBUTION OF ENVIRONMENTAL EXPENDITURES**

The project environmental document, approved in January 2008, environmentally cleared the construction of the ultimate 4-lane conventional highway with a 3.6 meter median. This scope was found to be too large to fund and construct at once, so plans were made to phase implementation of the overall improvement project. Phase 1, the CMIA project, will construct two new lanes adjacent to the existing roadway. However, Phase 1 does not include funding to fully update all horizontal and vertical curve deficiencies of the existing roadway. Phase 2, therefore, will upgrade the existing facility to current standards when full funding becomes available.

Since the environmental studies were initiated prior to identification of a phased project, and prior to selection of Phase 1 for CMIA funding, the full programmed budget and expenditures for environmental work were attributed to what has become Phase 1. The proposed redistribution of the costs for environmental between Phase 1 and Phase 2 will serve to better align budgets and

expenditures attributable to each of the two projects. The outcome is the creation of a new project to represent Phase 2 (PPNO 0367H) and a shift of \$2,190,000 from Phase 1 environmental to Phase 2 environmental.

### **CHANGE IN PROJECT LIMITS**

The approved baseline identifies the project limits as postmile (PM) 0.2/3.3 (Napa County) and PM 0.0/R2.4 (Solano County). This amendment proposes to adjust these limits to PM 0.0/3.3 for the Napa County and PM 0.0/R2.6 for the Solano County. These changes represent refinements to project limits as a result of completion of the environmental document and discoveries made as part of regular project delivery process as the project team finalized the project alignment. There is no change to the project benefits.

### **UPDATE PROJECT FUNDING PLAN**

This amendment proposes several changes to the funding plan for Phase 1. Overall, there is a net reduction of \$641,000 in the total project cost, as described below.

- Plans, Specifications, and Estimate (PS&E) has increased by \$1,690,000, from \$7,550,000 to \$9,240,000. This is due to design modifications that were implemented to minimize major utility relocation and environmental impacts. These design changes resulted in significant savings to R/W.
- Construction Support has increased by \$140,000, from \$10,000,000 to \$10,140,000, based upon the latest updated estimate due to inclusion of the follow-up landscape contract.
- Construction Capital has increased by \$710,000, from \$95,700,000 to \$96,410,000. This increase reflects the shift of mitigation funds from R/W to Construction.
- R/W has been reduced from \$16,600,000 to \$13,414,000, a decrease of \$3,186,000. Most of the savings are the product of changes noted above that resulted in reduced costs for R/W acquisitions, as well as for major utility relocations. Another \$710,000 was shifted to Construction Capital as noted above to fund mitigation activity during construction. Finally, the Federal Demonstration funds were adjusted by \$641,000 to reflect a reduced amount available for obligation. The delivery of the full project scope is not affected by this reduction.

### **SPLIT THE PROJECT INTO THREE SEGMENTS**

Lastly, with all the previous discussed changes in place, this amendment proposes to split the Phase 1 project into two roadway contracts and one follow-up landscape contract as follows:

Segment 1 (PPNO 0367D): On Route 12 in Napa and Solano Counties, from 0.5 mile west of Napa/Solano County Line to Red Top Road in Solano County. Construct two lanes, add a median barrier and a median opening.

Segment 2 (PPNO 0367I): On Route 12 in Napa County, from State Route 29 junction to 0.1 mile west of Napa/Solano Line. Construct two lanes and add a median barrier.

Segment 3 (PPNO 0367J): On Route 12 in Napa and Solano Counties, from Kelly Road (Napa) to Red Top Road (Solano). Construct replacement landscaping.

Splitting the roadway project into two smaller construction contracts would facilitate more competitive bids, encourage small business participation, and also allow an earlier completion of Segment 2, which has significantly less retaining wall work than Segment 1.

In addition, because landscape projects have long establishment periods, the replacement planting portion (Segment 3) 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 three segments.

<b>Project Milestone</b>	<b>Baseline (0367D)</b>	<b>Segment 1 (0367D)</b>	<b>Segment 2 (0367I)</b>	<b>Follow-up Landscape (0367J)</b>
End Design Phase (RTL)	Apr. 2010	No Change	No Change	Oct. 2012
Begin Construction Phase	Sep. 2010	No Change	No Change	Feb. 2013
End Construction Phase	Aug. 2013	Mar. 2013	Dec. 2011	Oct. 2016
Begin Close-out Phase	Sep. 2013	Apr. 2013	Dec. 2011	Nov. 2016
End Close-out Phase	Aug. 2014	Apr. 2014	Dec. 2012	Nov. 2017

The Metropolitan Transportation Commission concurs with the changes described above and shown in the following tables.

The funding plan for the combined project (PPNO 0367D) is updated. Also, the environmental expenditures that are attributable to Phase 2 are split-off into a new project (PPNO 0367H).

**REVISES**

**Combined State Route 12 Jameson Canyon Widening – Phase 1 (PPNO 0367D)**

<b>(DOLLARS IN THOUSANDS)</b>													
<b>FUND</b>	<b>TOTAL</b>	<b>Project Totals by Fiscal Year</b>						<b>Project Totals by Component</b>					
		<b>Prior</b>	<b>08/09</b>	<b>09/10</b>	<b>10/11</b>	<b>11/12</b>	<b>12/13</b>	<b>R/W</b>	<b>CON</b>	<b>PA&amp;ED</b>	<b>PS&amp;E</b>	<b>R/W Supp</b>	<b>CON Supp</b>
<b>RIP (Napa) -Department</b>													
Existing	25,841	13,241		12,600				10,200	3,600	400	291	2,350	9,000
Change	(1,550)	(2,400)		850				(2,545)	710	0	140	5	140
Proposed	<b>24,291</b>	<b>10,841</b>		<b>13,450</b>				<b>7,655</b>	<b>4,310</b>	<b>400</b>	<b>431</b>	<b>2,355</b>	<b>9,140</b>
<b>RIP (Solano) -Department</b>													
Existing	7,000			7,000					7,000				
Change	0			0					0				
Proposed	7,000			7,000					7,000				
<b>RIP (Napa) -Solano Transportation Authority</b>													
Existing	2,659		2,659	0							2,659		
Change	1,550		82	1,468							1,550		
Proposed	<b>4,209</b>		<b>2,741</b>	<b>1,468</b>							<b>4,209</b>		
<b>IIP -Department</b>													
Existing	12,304	194		12,110					11,110		194		1,000
Change	0	0		0					0		0		0
Proposed	12,304	194		12,110					11,110		194		1,000
<b>IIP -Solano Transportation Authority</b>													
Existing	1,806		1,806								1,806		
Change	0		0								0		
Proposed	1,806		1,806								1,806		
<b>CMIA - Department</b>													
Existing	73,990			73,990					73,990				
Change	0			0					0				
Proposed	73,990			73,990					73,990				
<b>TCRP - Department</b>													
Existing	7,000	7,000								5,500	1,500		
Change	(1,650)	(1,650)								(1,650)	0		
Proposed	<b>5,350</b>	<b>5,350</b>								<b>3,850</b>	<b>1,500</b>		
<b>RSTP</b>													
Existing	2,500	2,500								1,400	1,100		
Change	(540)	(540)								(540)	0		
Proposed	<b>1,960</b>	<b>1,960</b>								<b>860</b>	<b>1,100</b>		
<b>Demo</b>													
Existing	6,400	6,400						6,400					
Change	(641)	(641)						(641)					
Proposed	<b>5,759</b>	<b>5,759</b>						<b>5,759</b>					
<b>Total</b>													
Existing	139,500	29,335	4,465	105,700				16,600	95,700	7,300	7,550	2,350	10,000
Change	(2,831)	(5,231)	82	2,318				(3,186)	710	(2,190)	1,690	5	140
Proposed	<b>136,669</b>	<b>24,104</b>	<b>4,547</b>	<b>108,018</b>				<b>13,414</b>	<b>96,410</b>	<b>5,110</b>	<b>9,240</b>	<b>2,355</b>	<b>10,140</b>

**ADDS**

**State Route 12 Jameson Canyon Widening – Phase 2 (PA&ED only) [PPNO 0367H] – non CMIA project**

<b>(DOLLARS IN THOUSANDS)</b>													
<b>FUND</b>	<b>TOTAL</b>	<b>Project Totals by Fiscal Year</b>						<b>Project Totals by Component</b>					
		<b>Prior</b>	<b>08/09</b>	<b>09/10</b>	<b>10/11</b>	<b>11/12</b>	<b>12/13</b>	<b>R/W</b>	<b>CON</b>	<b>PA&amp;ED</b>	<b>PS&amp;E</b>	<b>R/W Supp</b>	<b>CON Supp</b>
<b>TCRP-Department</b>													
Existing	0	0								0			
Change	1,650	1,650								1,650			
Proposed	<b>1,650</b>	<b>1,650</b>								<b>1,650</b>			
<b>RSTP</b>													
Existing	0	0								0			
Change	540	540								540			
Proposed	<b>540</b>	<b>540</b>								<b>540</b>			
<b>Total</b>													
Existing	0	0								0			
Change	2,190	2,190								2,190			
Proposed	<b>2,190</b>	<b>2,190</b>								<b>2,190</b>			

The updated Phase 1 project is now split into the following three segments.

**Segment 1: State Route 12 Jameson Canyon Widening – Phase 1 (PPNO 0367D)**

<b>(DOLLARS IN THOUSANDS)</b>													
<b>FUND</b>	<b>TOTAL</b>	<b>Project Totals by Fiscal Year</b>						<b>Project Totals by Component</b>					
		<b>Prior</b>	<b>08/09</b>	<b>09/10</b>	<b>10/11</b>	<b>11/12</b>	<b>12/13</b>	<b>R/W</b>	<b>CON</b>	<b>PA&amp;ED</b>	<b>PS&amp;E</b>	<b>R/W Supp</b>	<b>CON Supp</b>
<b>RIP (Napa) -Department</b>													
Existing	24,291	10,841		13,450				7,655	4,310	400	431	2,355	9,140
Change	(9,162)	(3,902)		(5,260)				(2,695)	(1,970)	(140)	(242)	(825)	(3,290)
Proposed	<b>15,129</b>	<b>6,939</b>		<b>8,190</b>				<b>4,960</b>	<b>2,340</b>	<b>260</b>	<b>189</b>	<b>1,530</b>	<b>5,850</b>
<b>RIP (Solano) -Department</b>													
Existing	7,000			7,000					7,000				
Change	(2,450)			(2,450)					(2,450)				
Proposed	<b>4,550</b>			<b>4,550</b>					<b>4,550</b>				
<b>RIP (Napa) -Solano Transportation Authority</b>													
Existing	4,209		2,741	1,468							4,209		
Change	(1,468)		0	(1,468)							(1,468)		
Proposed	<b>2,741</b>		<b>2,741</b>	<b>0</b>							<b>2,741</b>		
<b>IIP -Department</b>													
Existing	12,304	194		12,110					11,110		194		1,000
Change	(4,308)	(68)		(4,240)					(3,890)		(68)		(350)
Proposed	<b>7,996</b>	<b>126</b>		<b>7,870</b>					<b>7,220</b>		<b>126</b>		<b>650</b>
<b>IIP -Solano Transportation Authority</b>													
Existing	1,806		1,806								1,806		
Change	(632)		(632)								(632)		
Proposed	<b>1,174</b>		<b>1,174</b>								<b>1,174</b>		
<b>CMIA - Department</b>													
Existing	73,990			73,990					73,990				
Change	(23,000)			(23,000)					(23,000)				
Proposed	<b>50,990</b>			<b>50,990</b>					<b>50,990</b>				
<b>TCRP - Department</b>													
Existing	5,350	5,350								3,850	1,500		
Change	(1,880)	(1,880)								(1,350)	(530)		
Proposed	<b>3,470</b>	<b>3,470</b>								<b>2,500</b>	<b>970</b>		
<b>RSTP</b>													
Existing	1,960	1,960								860	1,100		
Change	(690)	(690)								(300)	(390)		
Proposed	<b>1,270</b>	<b>1,270</b>								<b>560</b>	<b>710</b>		
<b>Demo</b>													
Existing	5,759	5,759						5,759					
Change	(2,018)	(2,018)						(2,018)					
Proposed	<b>3,741</b>	<b>3,741</b>						<b>3,741</b>					
<b>Total</b>													
Existing	136,669	24,104	4,547	108,018				13,414	96,410	5,110	9,240	2,355	10,140
Change	(45,608)	(8,558)	(632)	(36,418)				(4,713)	(31,310)	(1,790)	(3,330)	(825)	(3,640)
Proposed	<b>91,061</b>	<b>15,546</b>	<b>3,915</b>	<b>71,600</b>				<b>8,701</b>	<b>65,100</b>	<b>3,320</b>	<b>5,910</b>	<b>1,530</b>	<b>6,500</b>

**Segment 2: State Route 12 Jameson Canyon Widening – Phase 1 (PPNO 0367I)**

<b>(DOLLARS IN THOUSANDS)</b>													
<b>FUND</b>	<b>TOTAL</b>	<b>Project Totals by Fiscal Year</b>						<b>Project Totals by Component</b>					
		<b>Prior</b>	<b>08/09</b>	<b>09/10</b>	<b>10/11</b>	<b>11/12</b>	<b>12/13</b>	<b>R/W</b>	<b>CON</b>	<b>PA&amp;ED</b>	<b>PS&amp;E</b>	<b>R/W Supp</b>	<b>CON Supp</b>
<b>RIP (Napa) - Department</b>													
Existing	0	0		0				0	0	0	0	0	0
Change	8,162	3,752		4,410				2,690	1,260	140	102	820	3,150
Proposed	<b>8,162</b>	<b>3,752</b>		<b>4,410</b>				<b>2,690</b>	<b>1,260</b>	<b>140</b>	<b>102</b>	<b>820</b>	<b>3,150</b>
<b>RIP (Solano) - Department</b>													
Existing	0			0					0				
Change	2,450			2,450					2,450				
Proposed	<b>2,450</b>			<b>2,450</b>					<b>2,450</b>				
<b>RIP (Napa) - Solano Transportation Authority</b>													
Existing	0			0							0		
Change	1,468			1,468							1,468		
Proposed	<b>1,468</b>			<b>1,468</b>							<b>1,468</b>		
<b>IIP - Department</b>													
Existing	0	0		0					0		0		0
Change	4,308	68		4,240					3,890		68		350
Proposed	<b>4,308</b>	<b>68</b>		<b>4,240</b>					<b>3,890</b>		<b>68</b>		<b>350</b>
<b>IIP - Solano Transportation Authority</b>													
Existing	0		0								0		
Change	632		632								632		
Proposed	<b>632</b>		<b>632</b>								<b>632</b>		
<b>CMIA - Department</b>													
Existing	0			0					0				
Change	23,000			23,000					23,000				
Proposed	<b>23,000</b>			<b>23,000</b>					<b>23,000</b>				
<b>TCRP - Depratment</b>													
Existing	0	0								0	0		
Change	1,880	1,880								1,350	530		
Proposed	<b>1,880</b>	<b>1,880</b>								<b>1,350</b>	<b>530</b>		
<b>RSTP</b>													
Existing	0	0								0	0		
Change	690	690								300	390		
Proposed	<b>690</b>	<b>690</b>								<b>300</b>	<b>390</b>		
<b>Demo</b>													
Existing	0	0						0					
Change	2,018	2,018						2,018					
Proposed	<b>2,018</b>	<b>2,018</b>						<b>2,018</b>					
<b>Total</b>													
Existing	0	0	0	0				0	0	0	0	0	0
Change	44,608	8,408	632	35,568				4,708	30,600	1,790	3,190	820	3,500
Proposed	<b>44,608</b>	<b>8,408</b>	<b>632</b>	<b>35,568</b>				<b>4,708</b>	<b>30,600</b>	<b>1,790</b>	<b>3,190</b>	<b>820</b>	<b>3,500</b>

**Segment 3: Follow-up Landscape (PPNO 0367J)**

<b>(DOLLARS IN THOUSANDS)</b>													
<b>FUND</b>	<b>TOTAL</b>	<b>Project Totals by Fiscal Year</b>						<b>Project Totals by Component</b>					
		<b>Prior</b>	<b>08/09</b>	<b>09/10</b>	<b>10/11</b>	<b>11/12</b>	<b>12/13</b>	<b>R/W</b>	<b>CON</b>	<b>PA&amp;ED</b>	<b>PS&amp;E</b>	<b>R/W Supp</b>	<b>CON Supp</b>
<b>RIP (Napa) - Department</b>													
Existing	0				0	0	0	0	0		0	0	0
Change	1,000				140	10	850	5	710		140	5	140
Proposed	1,000				140	10	850	5	710		140	5	140
<b>Total</b>													
Existing	0				0	0	0	0	0		0	0	0
Change	1,000				140	10	850	5	710		140	5	140
Proposed	1,000				140	10	850	5	710		140	5	140