

# Memorandum

To: CHAIR AND COMMISSIONERS

CTC Meeting: February 19, 2009

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

From: CINDY McKIM  
Chief Financial Officer

Prepared by: Ross Chittenden  
Manager  
Proposition 1B Program

Subject: **CMIA PROJECT BASELINE AMENDMENT**  
**RESOLUTION CMIA-PA-0809-012**

## **RECOMMENDATION:**

The California Department of Transportation (Department) recommends that the California Transportation Commission (Commission) approve Corridor Mobility Improvement Account (CMIA) baseline amendment (Resolution CMIA-PA-0809-012).

## **ISSUE:**

The Department, in conjunction with the San Bernardino Associated Governments (SANBAG), requests an amendment to the CMIA baseline agreements for the SR-210/I-215 Connectors project (PPNO 0194Q) and the I-215 North Segment 5 – HOV and Mixed Flow Lane Addition project (PPNO 0247N) to:

- Change the implementing agency for both projects from SANBAG to the Department.
- Increase design (PS&E) from \$4,000,000 to \$4,866,000 for the SR-210/I-215 Connectors project and from \$4,541,000 to \$5,065,000 for the I-215 North Segment 5 project.
- Increase construction (capital and support) from \$79,967,000 to \$90,517,000 for the SR 210/I-215 Connectors project and decrease construction from \$59,000,000 to \$49,000,000 for construction and construction support for the I-215 North Segment 5 project.
- Reprogram \$12,733,000 San Bernardino Regional Improvement Program (RIP) from construction capital to construction support for the SR-210/I-215 Connectors project and \$6,933,000 CMIA from construction capital to construction support for the I-215 North Segment 5 project.
- Combine both projects into a single construction contract.

**BACKGROUND:**

The SR-210/I-215 Connectors project is located in San Bernardino County. The proposed project will:

- Construct direct connectors from northbound (NB) Route 215 to westbound Route 210 and from eastbound Route 210 to southbound (SB) Route 215.
- Construct a replacement bridge for the 27<sup>th</sup> Street Overcrossing.
- Construct a mixed flow lane on NB Route 215 from the 210/215 Interchange to University Parkway.
- Construct an auxiliary lane on SB Route 215 from University Parkway to the 210/215 Interchange.
- Construct a collector-distributor road along NB Route 215 from Highland Avenue 27<sup>th</sup> Street.
- Replace loop off-ramp from NB Route 215 to Highland Avenue.
- Reconfigure local streets east of Route 215 off of 27<sup>th</sup> Street and other miscellaneous associated improvements

The I-215 North Segment 5 project is located from south of Massachusetts Avenue to Route 210 in San Bernardino County. The proposed project will:

- Construct HOV lanes.
- Construct mixed-flow lanes.
- Construct auxiliary lanes.

When completed, both projects will improve corridor mobility by offering direct freeway connections and by eliminating recurrent peak period congestion.

**INCREASE IN DESIGN BUDGET**

For the SR-210/I-215 Connectors project, the costs for PS&E have gone from \$4,000,000 to \$4,866,000, an increase of \$866,000. The costs for PS&E for the I-215 North Segment-5 project have gone from \$4,541,000 to \$5,065,000, an increase of \$524,000. The increase in PS&E costs for both these projects is due to the following reasons:

1. Incorporating additional design work due to recent right of way negotiations that minimized the impacts to a major business and avoided increased right of way costs.
2. Revising design elements to conform to current seismic standards for structures along with new erosion control and aesthetics requirements.
3. The Department's efforts to review and list the combined project for advertisement.

The \$1,390,000 total increase in the PS&E budget for both projects will be funded with SANBAG's Measure I funds.

**INCREASE IN CONSTRUCTION SUPPORT AND CONSTRUCTION CAPITAL**

Inasmuch as the two projects will be combined for construction, an arbitrary "match-line" has been established in the area of the overlap between the two separate projects to assist in the tracking of the costs for each project. The "match-line" will be the determining factor as to which quantities go for

which project. The “match-line” keeps discrete quantities for various items wholly within each project. More quantities, however, were moved from the I-215 North Segment 5 project to the SR 210/I-215 Connectors project resulting in decreased construction costs. The total amount of CMIA funds for two projects has not changed, however.

#### SR-210/I-215 Connectors (PPNO 0194Q)

The total construction budget has been revised from \$79,967,000 to \$90,517,000, an increase of \$10,550,000. The revised construction budget has segregated \$13,283,000 for construction support, as required when the Department is the implementing agency. This increase in construction is due to the following reasons:

1. Upgrading the proposed improvements to meet current roadway and structures standards.
2. The addition of structure aesthetic items to be consistent with I-215 Corridor.
3. More quantities moved to this project from the I-215 North Segment 5 project due to establishment of the “match-line” to keep discrete quantities wholly within each project, as described above.

This increase in construction will be funded with \$10,000,000 CMIA funds for capital that will be transferred from I-215 North Segment 5 project and \$550,000 SANBAG Measure I funds for construction support costs.

#### I-215 North Segment 5 (PPNO 0247N)

The total construction budget has been revised from \$59,000,000 to \$49,000,000, a decrease of \$10,000,000. The revised construction budget has segregated \$6,933,000 for construction support, as required when the Department is the implementing agency. This decrease in construction is due to the fact that more quantities were moved from this project to the SR-210/I-215 Connectors project due to the establishment of the project “match-line” as described above.

### **CHANGING IMPLEMENTING AGENCY FOR CONSTRUCTION**

Since the combined project involves major complex bridge work over traffic and complex staging plans, it has been determined by the Department and SANBAG that it would be in the best interest of both parties for the Department to manage the construction of these projects.

### **COMBINING BOTH PROJECTS FOR CONSTRUCTION**

The southern limits of SR-210/I-215 Connectors project overlaps with I-215 North Segment 5 project along I-215. Combining both projects will:

- Optimize construction efficiencies.
- Reduce potential throw-away improvements.
- Minimize delay impacts to travelers through a coordinated staged construction and traffic handling plan.
- Provide an earlier completion of improvements offered by both projects.

An Environmental Revalidation for cumulative impacts of constructing both projects under one contract was completed on October 3, 2008. A Supplemental Project Report for combining both projects in one construction contract bid package was approved on November 7, 2008.

**SCHEDULE VARIANCE**

The construction of complex bridge structures, building the embankments and allowing for their settlement, and accommodating for freeway and railroad traffic during construction will be challenging. Considering these complexities, it would take an estimated five years to complete both projects if they were constructed individually. By analyzing detailed stage construction and traffic handling, it has been determined that the construction of the combined project will take an estimated three and one half years. To allow for the two projects to be advertised and awarded as a single contract, the schedule for the SR-210/I-215 Connectors project has been revised.

The table below lists these proposed schedule changes.

<b>Project Milestone</b>	<b>SR-210/I-215 Connectors (PPNO 0194Q)</b>		<b>I-215 North Segment 5 (PPNO 0247N)</b>	
	<b>Baseline</b>	<b>Proposed</b>	<b>Baseline</b>	<b>Proposed</b>
End Design Phase (RTL)	Feb. 2009	May 2009	May 2009	May 2009
Begin Construction Phase	June 2009	Aug. 2009	Aug. 2009	Aug. 2009
End Construction Phase	Oct. 2011	Feb. 2013	Oct. 2013	Feb. 2013
Begin Close-out Phase	Nov. 2011	Mar. 2013	Nov. 2013	Mar. 2013
End Close-out Phase	Nov. 2012	Mar. 2015	Nov. 2015	Mar. 2015

**PROJECT SUMMARY**

**Existing Baseline - SR-210/I-215 Connectors (PPNO 0194Q)** - On I-215 in San Bernardino County. The project will a) construct direct connectors from northbound (NB) Route 215 to westbound Route 210 and from eastbound Route 210 to southbound (SB) I-215 b) construct a replacement bridge for the 27th Street overcrossing, c) construct a mixed-flow lane on NB Route 215 from the 210/215 Interchange to University Parkway, d) construct an auxiliary lane on SB Route 215 from University Parkway to the 210/215 Interchange, e) construct a collector-distributor road along NB Route 215 from Highland Avenue to 27th Street, f) replace loop off-ramp from NB Route 215 to Highland Avenue, and g) reconfigure local streets east of I-215 off of 27<sup>th</sup> Street and other miscellaneous associated improvements.

x1000

Funding source	FY (Prior)				FY 08/09	FY 08/09	Totals
	PA&ED	PS&E	RW Sup	RW	CON Sup	CON	
CMIA						22,000	22,000
RIP			2,000	8,437		57,967	68,404
Local Measure I	1,800	4,000					5,800
<b>Totals</b>	<b>\$1,800</b>	<b>\$4,000</b>	<b>\$2,000</b>	<b>\$8,437</b>		<b>\$79,967</b>	<b>\$96,204</b>

**Amended Baseline - SR-210/I-215 Connectors (PPNO 0194Q)** - On I-215 in San Bernardino County. The project will a) construct direct connectors from northbound (NB) Route 215 to westbound Route 210 and from eastbound Route 210 to southbound (SB) I-215 b) construct a replacement bridge for the 27th Street overcrossing, c) construct a mixed-flow lane on NB Route 215 from the 210/215 Interchange to University Parkway, d) construct an auxiliary lane on SB Route 215 from University Parkway to the 210/215 Interchange, e) construct a collector-distributor road along NB Route 215 from Highland Avenue to 27th Street, f) replace loop off-ramp from NB Route 215 to Highland Avenue, and g) reconfigure local streets east of I-215 off of 27<sup>th</sup> Street and other miscellaneous associated improvements.

x1000

Funding source	FY (Prior)				FY 08/09	FY 08/09	Totals
	PA&ED	PS&E	RW Sup	RW	CON Sup	CON	
CMIA						<b>32,000</b>	32,000
RIP			2,000	8,437	<b>12,733</b>	<b>45,234</b>	68,404
Local Measure I	1,800	<b>4,866</b>			<b>550</b>		7,216
<b>Totals</b>	<b>\$1,800</b>	<b>\$4,866</b>	<b>\$2,000</b>	<b>\$8,437</b>	<b>\$13,283</b>	<b>\$77,234</b>	<b>\$107,620</b>

**Existing Baseline - I-215 North Segment 5 - HOV and Mixed Flow Lane Addition**

(PPNO 0247N) - On I-215 in San Bernardino County. The project will a) construct HOV lanes, b) construct mixed-flow lanes, and c) construct auxiliary lanes.

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Funding source	FY (Prior)				FY 08/09	FY 08/09	Totals
	PA&ED	PS&E	RW Sup	RW	CON Sup	CON	
CMIA						59,000	59,000
RIP			585	1,229			1,814
Local Measure I		4,541		1,321			5,862
<b>Totals</b>		<b>\$4,541</b>	<b>\$585</b>	<b>\$2,550</b>		<b>\$59,000</b>	<b>\$66,676</b>

**Amended Baseline - I-215 North Segment 5 - HOV and Mixed Flow Lane Addition**

(PPNO 0247N) - On I-215 in San Bernardino County. The project will a) construct HOV lanes, b) construct mixed-flow lanes, and c) construct auxiliary lanes.

x1000

Funding source	FY (Prior)				FY 08/09	FY 08/09	Totals
	PA&ED	PS&E	RW Sup	RW	CON Sup	CON	
CMIA					<b>6,933</b>	<b>42,067</b>	49,000
RIP			585	1,229			1,814
Local Measure I		<b>5,065</b>		1,321			6,386
<b>Totals</b>		<b>\$5,065</b>	<b>\$585</b>	<b>\$2,550</b>	<b>\$6,933</b>	<b>\$42,067</b>	<b>\$57,200</b>

**RESOLUTION CMIA-PA-0809-012:**

Be it resolved, that the California Transportation Commission does hereby amend the Corridor Mobility Improvement Account (CMIA) baseline agreements for the SR 210/I-215 Connectors project (PPNO 0194Q) and the I-215 North Segment 5 – High Occupancy Vehicle (HOV) and Mixed Flow Lane Addition project (PPNO 0247N) in San Bernardino County to reflect the changes proposed above and in the attached documents.

Attachments

**CORRIDOR MOBILITY IMPROVEMENT ACCOUNT**

**Project Fact Sheet**

**Lead Agency: San Bernardino Associated Governments (SANBAG) Fact Sheet Date: 01/09/09**

Contact Person	Deborah Barmack, Executive Director/Garry Cohoe, Director of Freeway Construction		
Phone Number	909 884-8276	Fax Number	909-685-4407
Email Address	<a href="mailto:dbarmack@sanbag.ca.gov">dbarmack@sanbag.ca.gov</a> / <a href="mailto:gcohoe@sanbag.ca.gov">gcohoe@sanbag.ca.gov</a>		

**Project Information:**

County	Caltrans District	PPNO *	EA *	Region/MPO/ TIP ID*	Route / Corridor *	Post Mile Back *	Post Mile Ahead *
SBd	8	0194Q	444071	20620	210/215	210-21.8/215-9.0	210-22.1/215-11.6

\* NOTE: PPNO & EA assigned by Caltrans. Region/MPO/TIP ID assigned by RTPA/MPO. Route/Corridor & Post Mile Back/Ahead used for State Highway System.

Legislative Districts	Senate: 32	Congressional: 43
	Assembly: 62,63	

Implementing Agency (by component)	E&P (PA&ED): SANBAG	PS&E: SANBAG
	R/W: Caltrans	CON: Caltrans

Project Title: SR-210/I-215 Connectors

**Location - Project Limits - Description and Scope of Work** (Provide a project location map on a separate sheet and attach to this form)  
 On SR-210 and I-215 in San Bernardino - Construct direct connectors from NB I-215 to WB SR-210 and from EB SR-210 to SB I-215; a replacement bridge for 27th Street OC on I-215, a mixed flow lane on NB I-215 from 210/215 I/C to University Pkwy; an auxiliary lane on SB I-215 from University Pkwy to 210/215 I/C; a collector-distributor road along NB I-215 from Highland Avenue to 27th Street; replace loop off-ramp from NB I-215 to Highland Avenue with a slip off-ramp; reconfigure local streets east of I-215 off of 27th Street; and other miscellaneous associated improvements. This project completes the 25 mile SR-210 corridor project. The project:  
 -is included in the 2004 SCAG RTP and 2006 FSTIP  
 -Improves California economic competitiveness and quality of life by reducing delay for consumer and commercial vehicles.

**Description of Major Project Benefits**

Daily Vehicle Hours of Delay Saved	2886 Hrs
Daily Peak Hour Person-Minutes Saved	343,200 Min.

This project will replace freeway connections made via local streets with direct connections via flyover ramps. This project will improve a major goods movement corridor by lessening congestion and delay. This project will increase reliability by eliminating the need for signalized intersections.  
 Other:

Corridor System Management Plan	Month/Year
Lead Agency:	Caltrans
Plan Adoption Date:	Jun-08
Plan Implementation Date:	Sep-08

**Expected Source(s) of Additional Funding if the Current Funding Plan Proves Insufficient**

N/A

Project Delivery Baseline (Milestones)	Existing	Proposed
Begin Environmental Phase (PA&ED) (Overall SR-210 Corridor)	2/1/87	2/1/87
Draft Environmental Document Milestone Document Type: EIR/EIS (Overall SR-210 Corridor)	6/1/91	6/1/91
Draft Project Report Milestone (Overall SR-210 Corridor)	9/1/91	9/1/91
End Environmental Phase (PA&ED Milestone) (Re-evaluation for last contract with Connectors)	7/1/07	7/1/07
Begin Design Phase	1/1/06	1/1/06
End Design Phase (Ready to List Milestone)	2/1/09	5/15/09
Begin Right-of-Way	7/1/07	7/1/07
End Right-of-Way (Right-of-way Certification Milestone)	11/1/08	11/1/08
Begin Construction Phase	6/1/09	8/15/09
End Construction Phase (Construction Contract Acceptance Milestone)	10/1/11	2/15/13
Begin Closeout Phase	11/1/11	3/15/13
End Closeout Phase (Closeout Report Milestone)	11/1/12	3/15/15

NOTE: The CTC Corridor Mobility Improvement Account (CMIA) Program Guidelines should have been read and understood prior to preparation of the CMIA Fact Sheet. The CTC CMIA Guidelines and a template of this Project Fact Sheet are available at: <http://www.dot.ca.gov/hq/transprog/> and at: <http://www.catc.ca.gov/>

**CORRIDOR MOBILITY IMPROVEMENT ACCOUNT**

**Project Fact Sheet**

**Lead Agency: San Bernardino Associated Governments (SANBAG) Fact Sheet Date: 01/10/09**

Contact Person	Deborah Barmack, Executive Director/Garry Cohoe, Director of Freeway Construction		
Phone Number	(909) 884-8276	Fax Number	(909) 885-4407
Email Address	<a href="mailto:dmarmack@sanbag.ca.gov">dmarmack@sanbag.ca.gov</a> / <a href="mailto:gcohoe@sanbag.ca.gov">gcohoe@sanbag.ca.gov</a>		

**Project Information:**

County	Caltrans District	PPNO *	EA *	Region/MPO/ TIP ID*	Route / Corridor *	Post Mile Back *	Post Mile Ahead *
SBd	8	0247N	00719	00713	215	8.9	10.1

\* NOTE: PPNO & EA assigned by Caltrans. Region/MPO/TIP ID assigned by RTPA/MPO. Route/Corridor & Post Mile Back/Ahead used for State Highway System.

Legislative Districts	Senate: 32, 31	Congressional: 42
	Assembly: 62, 63	
Implementing Agency (by component)	E&P (PA&ED): Caltrans	PS&E: SANBAG
	R/W: Caltrans	CON: Caltrans

Project Title: I-215 North Segment 5 - HOV and Mixed Flow Lane Addition

**Location - Project Limits - Description and Scope of Work** (Provide a project location map on a separate sheet and attach to this form)  
 On I-215 in San Bernardino - Construct HOV lanes, mixed flow lanes and auxiliary lanes. Segment 5 is from south of Massachusetts Avenue to SR-210. The corridor project:  
 -Is included in the 2004 SCAG RTP as a Baseline Project.  
 -Will provide consumers more housing and transportation choices by supporting the corridor management strategy of increasing alternative modes of transportation - buses on the freeway, car and vanpools, access to Metrolink and access to transit centers.  
 -Will reduce dependency on single occupant vehicle trips by adding HOV Lanes on I-215.  
 -Will address recurrent peak period congestion at lane drops that narrows the freeway.  
 -Addresses non-standard on and off-ramps that are currently accessed from the inside lane.

**Description of Major Project Benefits**

Daily Vehicle Hours of Delay Saved	4,325 Hrs.
Daily Peak Hour Person-Minutes Saved	315,720 Min.

Other: Will foster increased car and van-pooling by developing an HOV facility. Provides a foundation for developing and expanding the district's HOV system. Alleviates operational issues caused by lane drops. Will better meet driver expectations by eliminating non-standard on and off ramp design. Off ramp reconfiguration will balance access and foster economic development within the corridor.

Corridor System Management Plan	Month/Year
Lead Agency:	Caltrans
Plan Adoption Date:	Jun-08
Plan Implementation Date:	Sep-08

**Expected Source(s) of Additional Funding if the Current Funding Plan Proves Insufficient**  
 N/A.

Project Delivery Baseline (Milestones)	Existing	Proposed
Begin Environmental Phase (PA&ED)	1/1/92	1/1/92
Draft Environmental Document Milestone	9/1/99	9/1/99
Draft Project Report Milestone	6/1/92	6/1/92
End Environmental Phase (PA&ED Milestone)	12/1/05	12/1/05
Begin Design Phase	1/1/01	1/1/01
End Design Phase (Ready to List Milestone)	5/15/09	5/15/09
Begin Right-of-Way	7/1/07	7/1/07
End Right-of-Way (Right-of-way Certification Milestone)	11/15/08	11/15/08
Begin Construction Phase	8/15/09	8/15/09
End Construction Phase (Construction Contract Acceptance Milestone)	10/15/13	2/15/13
Begin Closeout Phase	11/1/13	3/15/13
End Closeout Phase (Closeout Report Milestone)	11/1/15	3/15/15

NOTE: The CTC Corridor Mobility Improvement Account (CMIA) Program Guidelines should have been read and understood prior to preparation of the CMIA Fact Sheet. The CTC CMIA Guidelines and a template of this Project Fact Sheet are available at: <http://www.dot.ca.gov/hq/transprog/> and at: <http://www.catc.ca.gov/>

**DEPARTMENT OF TRANSPORTATION**

DISTRICT 8

DISTRICT DIRECTOR

464 WEST 4<sup>TH</sup> STREET, 6<sup>TH</sup> FLOOR

SAN BERNARDINO, CA 92401-1400

PHONE (909) 383-4055

FAX (909) 383-6239

TTY 711



*Flex your power!  
Be energy efficient!*

January 27, 2009

John F. Barna, Jr.  
California Transportation Commission  
1120 N Street, MS-52  
P.O. Box 942873  
Sacramento, CA 94273-001

0194Q SR-210/I-215 Connectors  
08-SBd-210 PM 21.8/22.1  
08-SBd-215 PM 9.0/11.6  
0247N I-215 North Segment 5 –  
HOV and Mixed Flow Addition  
08-SBd-215 PM 8.9/10.1

Dear Mr. Barna:

The California Department of Transportation (Department) and the San Bernardino Associated Governments (SANBAG) request the California Transportation Commission (CTC) to amend the Corridor Mobility Improvement Account (CMIA) Baseline Agreement to reflect the current status of the referenced projects. This letter provides the background information related to the amendment to the baseline agreement.

SANBAG was the lead and implementing agency for the design and construction phases of the referenced projects. Based on the request from SANBAG, the Department has agreed to be the implementing agency for the construction phase.

The portion of State Route 210 / Interstate 215 (SR-210/I-215) connector project, south of the freeway interchange, completely overlaps the project limits of I-215 North Segment 5 project. SANBAG and the Department have concurred that both projects should be combined in to one construction contract as both projects were scheduled to be in construction at the same time.

The Department is in the process of finalizing the project plans, specification and estimate (PS&E) in accordance with the Department guidelines so that the Department can list the project for advertisement. This effort and the tasks to combine the projects in to one construction contract require additional time. Therefore, the ready to list date (RTL) and begin construction date need adjustment. In addition, the construction duration has been adjusted to reflect the latest staging plans and to have consistent construction durations for both projects. The construction duration has been reduced from four years, as reported at the May 2008 CTC meeting, to 3 and ½ years.

To facilitate tracking quantities during construction, a match line has been established to separate both projects. Therefore, some bid item quantities were moved from I-215 North

*"Caltrans improves mobility across California"*

Mr. Barna Jr.  
January 27, 2009  
Page 2

Segment 5 project to the SR -210/I-215 connector project. As the projects are part of two different corridors, they are individually funded and expenditures need to be tracked separately. It is recommended that \$10 Million of CMIA funds be moved from I-215 North Segment 5 to SR-210/I-215 connector project. There is no change to the overall CMIA funding for the combined projects.

Thank you for your consideration. If you have any questions please call me at (909) 383-4055, or Raghuram Radhakrishnan (RK), Project Manager at (909) 383-6288.

Sincerely,

  
\_\_\_\_\_  
RAYMOND W. WOLFE, PhD  
District Director

For   
\_\_\_\_\_  
DEBORAH BARMACK  
Executive Director  
San Bernardino Associated Governments

C: Ross Chittenden