

# PROJECT DELIVERY REPORT

## Trade Corridors Improvement Fund

The submitting agency will be responsible for maintaining documentation of the information entered on this report. (Please type your response, handwritten reports will not be accepted)

Revised: 09/06/18

### A. Project Information

Date: Per CT Comment

PPNO:1135

TCIF # (Segment): \_\_\_\_\_ 64 Other Project Identifier (EA, Project #, PPNO, etc.): FPN6053(086)

Project Title: Lenwood Road Grade Separation Project in the City of Barstow

Delivery Report: ☐ Final- Due within six months of project becoming operable.  
☒ Supplemental - Due at the conclusion of all project activities.

Location: County: San Bernardino City: City of Barstow

Project Description: In the City of Barstow, Construct a grade separation for BNSF lines at Lenwood Road

### B. Contact Information

Implementing Agency: SBCTA/SANBAG Caltrans District Number: 8

Contact Person: Andrea Nieto 909.884.8276

Email Address: anieto@sanbag.ca.gov

C. Cost				
	Adopted Program Amount (\$)	Current Approved Amount (\$)	Actual Expended Amount (\$)	Net Difference (Dollars)
<b>Environmental</b>				
Total Amount				\$0
<b>Design</b>				
Total Amount	\$2,760,000	\$4,409,000	\$3,963,480	\$445,520
<b>Right of Way</b>				
Total Amount	\$743,000	\$4,792,000	\$4,467,500	\$324,500
<b>Construction</b>				
TCIF	\$6,694,000	\$8,276,000	\$7,310,474	\$965,526
Local	\$14,878,000	\$2,297,000	\$862,893	\$1,434,107
Federal	\$0	\$10,277,000	\$8,491,945	\$1,785,055
PUC 190	\$0	\$0	\$2,461,940	-\$2,461,940
RR funds	\$0	\$1,103,000	\$974,417	\$128,583
<b>Totals</b>	<b>\$25,075,000</b>	<b>\$31,154,000</b>	<b>\$28,532,649</b>	<b>\$2,621,351</b>

D. Schedule				
	Adopted Program Date	Current Approved Date	Actual Begin/End Date	Net Difference (Months)
<b>Environmental Phase</b>				
Begin	10/01/08	10/01/08	06/15/09	9
End	10/01/10	07/28/11	09/10/11	1
<b>Design (PS&amp;E) Phase</b>				
Begin	01/01/11	08/19/10	08/19/10	0
End	01/01/12	03/06/13	05/30/13	3
<b>Right of Way Phase</b>				
Begin	10/01/10	07/28/11	07/28/11	0
End	12/01/11	04/19/13	07/20/14	15
<b>Construction Phase</b>				
Begin	04/01/12	09/13/13	12/04/13	3
End	09/01/13	10/01/15	09/24/15	0
<b>Closeout Date</b>				
Begin	09/01/13	11/01/15	09/24/15	-0.9
End	12/01/13	05/01/16	12/31/16	8

<b>E. Amendments</b>		
<i>List approved amendments</i>		
<b>Amendment #</b>	<b>CTC Meeting</b>	<b>Summary of Changes (Scope, Cost, Schedule)</b>
1 TCIF-P-1213-12	10/2012	Cost and schedule changes
2 TCIF-P-1213-57	5/2013	Cost/fund type and schedule changes
3 TCIF-P-1213-78	6/2013	Cost/fund type and schedule changes
4 TCIF-AA-1314-10	1/2014	To deallocate \$579,000 reducing the Original TCIF \$8,855,000 to

<b>F. Project Benefits</b>			
<i>Describe and compare project benefits with those included in the approved Baseline Agreement.</i>			
<b>Outcomes</b>	<b>Adopted Program</b>	<b>Current Approved</b>	<b>Actual</b>
Safety	Eliminate potential accidents with at grade crossings of rail lines	Eliminate potential accidents with at grade crossings of rail lines	No accidents occurred over the 10 year period prior to opening of the grade separation, at which point the accidents have remained at zero. Eliminate potential accidents with at grade crossings of rail lines
Velocity	Reduction of 17 existing Daily Vehicle Hour (DVH) and 130 DVH in 2030	Reduction of 17 existing Daily Vehicle Hour (DVH) and 130 DVH in 2030	Grade separation reduces delay to zero. Reduced existing delay by 17 daily vehicle hours. Projected to reduce 130 daily vehicle hours in 2030.
Throughput	Eliminate current gate down time of 3.3 hours per day and 6.6 hours per day in 2030	Eliminate current gate down time of 3.3 hours per day and 6.6 hours per day in 2030	Gate down time reduced to zero from 3.3 hours per day for existing conditions. Reduced to zero from 6.6 hours per day by 2030.
Reliability	Eliminate emergency vehicle delay time up to 5 minutes	Eliminate emergency vehicle delay time up to 5 minutes	Emergency vehicle delay time reduced to zero because of no gate down time. Delay time reduced by average of 5 minutes when gates are down.
Congestion Reduction	Eliminate at grade vehicle queue rate of 131 vehicles per hour per lane and 380 vehicles per hour per lane in 2030	Eliminate at grade vehicle queue rate of 131 vehicles per hour per lane and 380 vehicles per hour per lane in 2030	Vehicles previously developed queues at a rate of 131 vehicles per hour per lane in the existing condition. This congestion and future congestion has been eliminated.
Emissions Reductions	Emission reductions in tons per days: CO2- 0.96 Nox- 0.00054 PM2.5- 0.00008 ROG- 0.00025	Emission reductions in tons per day: CO2- 0.96 Nox- 0.00054 PM2.5- 0.00008 ROG- 0.00025	Reduced incremental emission to zero over the no-build condition, as shown in the Adopted Program.

<b>G. Differences/Variations</b>
<i>Describe differences/variances (if any) and reason for, between approved scope, cost, schedule, and actual.</i>

<b>H. Lessons-Learned/Best Practices</b>
<i>Describe lessons-learned and best practices for future projects.</i>

## Certification Signature

### Implementation Agency

I hereby certify to the best of my knowledge and belief, the information in this report is a true and accurate record. The work was performed in accordance with the CTC approved scope, cost, schedules, and benefit information in the Baseline Agreement.

Andrea Nreke

(Print name) Project Manager

[Signature]

(Signature) Project Manager

09/18/17

Date

### Caltrans

The TCIF Division Program Coordinator and/or the Project Manager from the California Department of Transportation has reviewed the information contained in this report and has verified the information presented is correct.

Deborah Turner

(Print Name) TCIF Division Program Coordinator/Project Manager

[Signature]

(Signature) TCIF Division Program Coordinator/Project Manager

10/26/18

Date

The TCIF Program Lead from the California Department of Transportation has reviewed the information contained in the report and concurs with the approval.

Tony Caro

(Print Name) TCIF Program Lead

[Signature]

(Signature) TCIF Program Lead

10/26/18

Date

Distribution: 1) Local Agency, 2) Division Program Coordinator/Project Manager, 3) TCIF Program Lead, 4) CTC