

# 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)

### A. Project Information

Date: 10/29/2018

TCIF # (Segment): 20 Other Project Identifier (EA, Project #, PPNO, etc): 700000494

Project Title: I-110 Freeway & C Street Interchange Improvements

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

Location: County: Los Angeles City: City of Los Angeles Harbor Department (Port of Los Angeles)

Project Description: Consolidation of two closely spaced intersections on the NHS: I-110/C St/Figueroa St interchange with Harry Bridges Bl

### B. Contact Information

Implementing Agency: City of Los Angeles Harbor Department (Port of Los Angeles Caltrans District Number: 7

Contact Person: Sue Lai Phone: (310) 732-3649

Email Address: slai@portla.org

| C. Cost              |                             |                              |                             |                          |
|----------------------|-----------------------------|------------------------------|-----------------------------|--------------------------|
|                      | Adopted Program Amount (\$) | Current Approved Amount (\$) | Actual Expended Amount (\$) | Net Difference (Dollars) |
| <b>Environmental</b> |                             |                              |                             |                          |
| Total Amount         | \$660,000                   | \$801,000                    | \$687,421                   | \$113,579                |
| <b>Design</b>        |                             |                              |                             |                          |
| Total Amount         | \$2,550,000                 | \$3,491,000                  | \$3,491,000                 | \$0                      |
| <b>Right of Way</b>  |                             |                              |                             |                          |
| Total Amount         | \$0                         | \$0                          | \$0                         | \$0                      |
| <b>Construction</b>  |                             |                              |                             |                          |
| TCIF                 | \$8,300,000                 | \$8,300,000                  | \$7,835,676                 | \$464,324                |
| Local                | \$11,124,000                | \$14,219,000                 | \$14,000,000                | \$219,000                |
| Federal              |                             | \$5,927,000                  | \$5,765,609                 | \$161,391                |
| Other                | \$6,647,000                 | \$6,647,000                  | \$6,647,000                 | \$0                      |
| <b>Totals</b>        | \$29,281,000                | \$39,385,000                 | \$38,426,706                | \$958,294                |

| D. Schedule                    |                      |                       |                       |                         |
|--------------------------------|----------------------|-----------------------|-----------------------|-------------------------|
|                                | Adopted Program Date | Current Approved Date | Actual Begin/End Date | Net Difference (Months) |
| <b>Environmental Phase</b>     |                      |                       |                       |                         |
| Begin                          | 07/01/08             | 07/01/08              | 07/01/08              | 0                       |
| End                            | 08/30/09             | 05/30/12              | 06/14/12              | 0.5                     |
| <b>Design (PS&amp;E) Phase</b> |                      |                       |                       |                         |
| Begin                          | 07/01/08             | 07/01/08              | 07/01/08              | 0                       |
| End                            | 03/31/11             | 03/29/13              | 03/29/13              | 0                       |
| <b>Right of Way Phase</b>      |                      |                       |                       |                         |
| Begin                          |                      | 03/15/12              | 03/15/12              | 0                       |
| End                            |                      | 02/22/13              | 02/22/13              | 0                       |
| <b>Construction Phase</b>      |                      |                       |                       |                         |
| Begin                          | 03/01/12             | 11/01/13              | 11/07/13              | 0                       |
| End                            | 02/28/15             | 10/31/16              | 04/30/17              | 5                       |
| <b>Closeout Date</b>           |                      |                       |                       |                         |
| Begin                          | 03/01/15             | 11/01/16              | 05/01/17              | 6                       |
| End                            | 02/28/16             | 04/30/17              | 12/31/18              | 20                      |

**E. Amendments****List approved amendments**

5/24/12; 3/11/13

**F. Project Benefits***Describe and compare project benefits with those included in the approved Baseline Agreement.*

| Outcomes             | Adopted Program  | Current Approved   | Actual  |
|----------------------|--|--|---|
| Safety               | Will reduce accidents at intersections and I-110   | Will reduce accidents at intersections and I-110   | Occurrences of accidents has been reduced. Zero accidents were reported during a 12 month sample period from 5/1/17 thru 4/30/18.   |
| Velocity             | See "Throughput"   | See "Throughput"   | See "Throughput"  |
| Throughput           | 35%-40% of all U.S. Containers through POLB/POLA; I-110, SR 47, and I-710 carry approx. 30% of all U.S. containers; trucks, comprise 50% of all traffic; POLB/POLA handled 15.8 TEUs in 2006, 36m TEUs by 2020; truck delay reduced by 1,420 hrs/day which improves velocity and reliability | 35%-40% of all U.S. Containers through POLB/POLA; I-110, SR 47, and I-710 carry approx. 30% of all U.S. containers; trucks, comprise 50% of all traffic; POLB/POLA handled 15.8 TEUs in 2006, 36m TEUs by 2020; truck delay reduced by 1,420 hrs/day which improves velocity and reliability | Year 2018 post project condition is a Level of Service A with a volume to capacity ratio of 0.509. Current projected Year 2030 conditions is a Level of Service B with a volume to capacity ratio of 0.646. The current "approved benefits" were based on obtaining a 2030 Level of Service of C with a volume to capacity ratio of 0.93 with the project. The post project conditions in 2030 are now better than the "Current Approved" benefits which were calculated prior to the project. Therefore, the project meets and exceeds the project benefit of reduced truck delay of 1,420 hrs/day and improves velocity and reliability.            |
| Reliability          | See "Throughput"   | See "Throughput"   | See "Throughput"  |
| Congestion Reduction | Will significantly improve traffic operating conditions throughout the day. Total daily Vehicle and Truck delay savings will be 5,175hrs and 1,423 hrs respectively  | Will significantly improve traffic operating conditions throughout the day. Total daily Vehicle and Truck delay savings will be 5,175 hrs and 1,423 hrs respectively   | Year 2018 post project condition is a Level of Service A with a volume to capacity ratio of 0.509. Current projected Year 2030 conditions is a Level of Service B with a volume to capacity ratio of 0.646. The current "approved benefits" were based on obtaining a 2030 Level of Service of C with a volume to capacity ratio of 0.93 with the project. The post project conditions in 2030 are now better than the "Current Approved" benefits which were calculated prior to the project. Therefore, the project meets and exceeds the project benefit of vehicle and truck delay savings of 5,175 hrs and 1,423 hrs respectively.               |
| Emissions Reductions | Emissions benefits in 2030 is calculated to be 132 tons/yr of combined PM10, ROG, and Nox, and 124,200 tons/yr of CO2.   | Emissions benefits in 2030 is calculated to be 132 tons/yr of combined PM10, ROG, and Nox, and 124,200 tons/yr of CO2.   | Year 2018 post project condition is a Level of Service A with a volume to capacity ratio of 0.509. Current projected Year 2030 conditions is a Level of Service B with a volume to capacity ratio of 0.646. The current "approved benefits" were based on obtaining a 2030 Level of Service of C with a volume to capacity ratio of 0.93 with the project. The post project conditions in 2030 are now better than the "Current Approved" benefits which were calculated prior to the project. Therefore, the project meets and exceeds the project emissions benefits of 132 tons/yr of combined PM10, ROG, Nox, and 124,200 tons/yr of CO2 in 2030. |

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

Variance of end date of construction is due to unforeseen delay in construction due to additional scope added by Caltrans as part of their safety review and the redesign of a signal pole foundation due to an unforeseen substructure.

**H. Lessons-Learned/Best Practices**

***Describe lessons-learned and best practices for future projects .***

None.

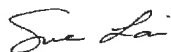
## Certification Signature

### Implementing 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.

Sue Lai

(Print name) Project Manager



(Signature) Project Manager

9/6/2018

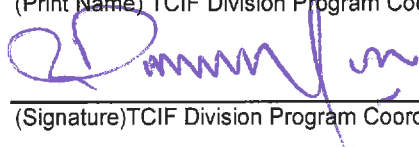
Date

### 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.

VASAN RUDRAPAKSIAM

(Print Name) TCIF Division Program Coordinator/Project Manager



(Signature) TCIF Division Program Coordinator/Project Manager

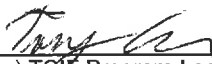
10/29/18

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 Cano

(Print Name) TCIF Program Lead



(Signature) TCIF Program Lead

10/30/18

Date

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