

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 1.28**WELDING INSPECTION REPORT****Resident Engineer:** Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-013487**Date Inspected:** 29-Apr-2010**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1530**Contractor:** American Bridge/Fluor Enterprises, a JV**Location:** Job Site**CWI Name:** See Below**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** Orthotropic Box Girders (OBG)**Summary of Items Observed:**

Quality Assurance (QA) Inspector Michael Foerder was on site between the times noted above at the Pier 7 job site as part of the arrival inspection team to perform a general arrival inspection and review of OBG sections designated lifts 5W, 6E, Crossbeam 4, Crossbeam 5 and the balance of the review for 5E and Crossbeam 6. The following is a list of the items observed; see individual item numbers in the body of this report for further details.

1. Exterior Sea Fastening Support Locations-5W, 6E
2. Top Deck Plate Wood Support Frame-5E, 5W, 6E
3. Bottom Plate Wood Support Frame-5W, 6E
4. Transverse Tie Locations-5W, 6E
5. W OBG Connection Points-5W, 6E
6. Crossbeam 4
7. Crossbeam 5
8. Crossbeam 6

The QA inspector arrived at the pier at 0800 and met with ABF personnel, Caltrans Structure personnel, the Structure Material Representative (SMR) and the QC inspection team for a brief general safety and orientation meeting prior to entering and accessing the OBG Section. The following areas and observations were reviewed and noted by QA personnel with QC personnel Steve McConnell and Mike Johnson noted to be in the area:

Lifts 5W and 6E East-Exterior Sea Fastening Support Locations

Minor Coating abrasions and surface discolorations were noted at support locations. No other issues were

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observed.

Lifts 5E, 5W and 6E Top Deck Plate Wood Support Frame

The QA inspector reviewed the top deck plate for the remaining portion of lift 5E on this date along with 5W and 6E. Lifts 5E and 6E had lifting block attachments still in place and a review was made in the general area with no issues noted. Lift 5W had the lifting block attachments removed and minor coating damage and abrasions were noted with no significant issues observed.

Lifts 5W and 6E Bottom Plate Wood Support Frame

No apparent issues observed. The contact points from the barge and the OBG currently have bearing pads in place with no apparent issues observed in the general area.

Lifts 5W and 6E Transverse Tie Locations

No apparent issues observed.

Lifts 5W and 6E - W OBG connection point

No apparent issues observed

Crossbeam 4

The QA inspector was provided access by ABF personnel to the top and bottom of crossbeam number 4. The QA inspector performed the arrival inspection review for the outside of the crossbeam with no apparent transportation issues apparent.

Crossbeam 5

The QA inspector was provided access by ABF personnel to the top and bottom of crossbeam number 5. The QA inspector performed the arrival inspection review for the outside of the crossbeam with no apparent transportation issues apparent other than minor coating abrasions/chipping.

Crossbeam 6

The QA inspector reviewed the remaining portion of the crossbeam which was inaccessible the previous day. The review was completed on this date with no significant items observed.

This completes the arrival inspection review for shipment number 2 with the exception of OBG lift 6W. The QA inspector spoke with WQCM Jim Bowers in regards to access to this lift and Mr. Bowers relayed the lift is still moored in the bay on a barge and it would be reviewed at a later date yet to be determined.

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Summary of Conversations:

As noted above.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Mohammad Fatemi (916)813-3677, who represents the Office of Structural Materials for your project.

Inspected By: Foerder, Mike

Quality Assurance Inspector

Reviewed By: Levell, Bill

QA Reviewer