

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
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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-013467**Date Inspected:** 27-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 section designated 5 East. 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.
2. Top Deck Plate Wood Support Frame.
3. Bottom Plate Wood Support Frame.
4. Transverse Tie Locations.
5. W OBG Connection Points.
6. Project Files

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:

Lift 5 East-Exterior Sea Fastening Support Locations.

Minor Coating abrasions and surface discolorations were noted at support locations. A notch approximately 1500mm from the top of the West side of the crossbeam connection was damaged during removal from the vessel. Further information is provided in ABF Submittal 1503 Revision 15 along with a digital photo included in the

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body of this report for general information. No other issues were observed.

## Top Deck Plate Wood Support Frame

Access to the top deck plate was not possible on this date as the Contractor requested personnel to perform the review of this location on another date for safety reasons due to the inclement weather.

## 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.

## Transverse Tie Locations

No apparent issues observed.

## W OBG connection point

No apparent issues observed

## Project Files

The QA inspector spent a portion of the shift updating the contract files and tracking logs for QA reports, welder qualification records, welding procedure specifications, procedure qualification records and submittals on this date.



## Summary of Conversations:

As noted above in items observed.

## 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.

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**Inspected By:** Foerder, Mike

Quality Assurance Inspector

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**Reviewed By:**      Levell,Bill

QA Reviewer