

**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-011753**Date Inspected:** 01-Feb-2010**Project Name:** SAS Superstructure**OSM Arrival Time:** 800**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1100**Contractor:** American Bridge/Fluor Enterprises, a JV**Location:** Job Site**CWI Name:** Mike Johnson/Jim Bowers**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 Girder (OBG) Lift 1- 4 East**Summary of Items Observed:**

Quality Assurance (QA) Inspectors, Bill Levell and Michael Foerder, were on site between the times noted above at the job site as part of the arrival inspection team to perform a general arrival inspection and review of the exterior of the South side of lift 1 through 4 East. The following is a list of the items observed; see individual item numbers in the body of this report for further details.

1. Sea Fastening Support Locations for Lift 1 East.
2. Sea Fastening Support Locations for Lifts 2 through 4 East, South Side.

The QA inspectors arrived on site at 0800 and met with ABF personnel, Caltrans Structure personnel, the Structure Material Representative and the QC inspection team. Upon arrival it was noted ABF personnel had previously placed the suspender bracket at Panel Point (PP) 10 and was in the process of placing the suspender bracket at PP12. The QA inspectors relayed to the Quality Control Manager (QCM) Jim Bowers ABF personnel had placed these brackets prior to the completion of the arrival inspection for the South side of the OBG. The suspender bracket now covers the area in which sea fastener 2A was attached to the side of the OBG. In addition, these items are incorporated in the punch list referencing verification of fit up alignment and flatness of the faying surfaces; see punch list item numbers 228 and 229 respectively for lift 1E. A digital photo is included in this report. At this time Mr. Bowers relayed he was unaware ABF would be placing these items as ABF worked over the weekend. This information was relayed to the Structural Material Representative (SMR) Anthony Mullen verbally and the QA inspectors performed a visual review of the remaining sea fastening locations (3) with the following observations:

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Item 1~ Lift 1 East; South side exterior sea fastening support locations.

- a. Support #2 – Minor Coating abrasions.
- b. Support # 2A – Minor coating abrasions.
- c. Support #8 – Minor Coating Damage.

Item 2~ Lift 2 through 4 East; South Side exterior sea fastening locations.

After the completion of lift 1 East, it was determined the arrival inspection for the exterior of the South side of lifts 2E, 3E and 4E should be performed while access was available prior to the placement of any additional suspender brackets. This review was completed with minor coating abrasions noted in each sea fastening locations.



## Summary of Conversations:

As noted above in summary of 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