

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-013833**Date Inspected:** 05-May-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:** N / A**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**Summary of Items Observed:**

The Quality Assurance Inspector (QAI), Scott Croff, was present at the Self Anchored Span (SAS) job site to observe the scheduled fabrication and welding of components for the SFOBB project.

The QAI observed ABF activities at the Pier 7 location. The QAI did not observe any Quality Control (QC) Inspectors present. The QAI noted that ABF personnel are setting grating, lights, ventilation parts, temporary electrical and compressed air utilities into the OBG segments. The QAI noted that these temporary utilities and will be used during the fabrication of the SAS. The QAI also observed ABF personnel using aerial lifts to access the OBG plate edges and were visibly grinding the primer paint and bevel faces in preparation for the field splice welding. The QAI noted that ABF personnel are welding on barges and job related equipment. The QAI also noted that the contractor is assembling parts of the temporary trestle on the barges at Pier 7. The QAI did not observe any personnel welding on bridge components. The QAI noted that at this time, OBG segments 5W and 6E are moored at Pier 7. The QAI noted that this work was in progress until the end of the shift. See the attached photos.

The QAI reviewed non-conformance reports that have been provided by the Contractor. The QAI noted that reports 022, 023, 024, 025 and 026 were written by the contractor and appear to document non-conforming fit-up welds. The QAI was informed that additional reports will be provided but they are not ready at this time. See the respective documents for additional information. The QAI also updated and calibrated the magnetic particle testing equipment on the job site.

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Summary of Conversations:

The QAI relayed the above mentioned observations to the QAI Lead Bill Levell. There were no other notable conversations.

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:	Croff, Scott	Quality Assurance Inspector
Reviewed By:	Levell, Bill	QA Reviewer
