

**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-015755**Date Inspected:** 16-Jul-2010**Project Name:** SAS Superstructure**OSM Arrival Time:** 730**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1600**Contractor:** American Bridge/Fluor Enterprises, a JV**Location:** Job Site**CWI Name:** William Norris**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 noted that ABF personnel are welding on barges and other job related equipment. The QAI also noted that the contractor is assembling parts and loading the 1st tower shipment onto barges at Pier 7.

The QAI reviewed contract related documents including the submitted and approved Welding Quality Control Plan (WQCP) and approved revisions to the WQCP and newly issued ABFJV non-conformance reports. The QAI continued reviewing the contractor's welding reports and consolidating the information to identify missing reports of inspections. The QAI continued generating a weld specific tracking list from the submitted reports.

**Summary of Conversations:**

The QAI had a discussion with the QC Inspector William Norris, regarding the submitted welding inspection reports. The QAI noted that at this time, the contractor has submitted welding reports for the week ending May 15th, 2010. The QAI has evaluated the reports for field splice location 1E/2E and determined that additional information needs to be submitted to the Engineer. The QAI supplied a list for each weld and noted that the submitted reports do not include several final visual inspections, magnetic particle testing and/or ultrasonic testing reports for the field splices. The QAI also discussed the process of reporting repairs, as some of the submitted reports do not indicate that identified repairs have been accepted by QC. The QAI was informed that additional reports will be generated from the appropriate QC Inspector's records and will be submitted at a later time. The QC Inspector was unable to provide additional information at this time. The QAI had other general conversations

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with ABF and Caltrans personnel during this shift. The QAI relayed the status of the submittal status and tracking status to the QAI Lead Bill Levell. Except as described above, there were no other notable conversations or observations.

### **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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<b>Inspected By:</b>	Croff, Scott	Quality Assurance Inspector
<b>Reviewed By:</b>	Levell, Bill	QA Reviewer

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