

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
690 Walnut Ave. St. 150  
Vallejo, CA 94592-1133  
(707) 649-5453  
(707) 649-5493

Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 1.28**WELDING INSPECTION REPORT****Resident Engineer:** Casey, William**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-029070**Date Inspected:** 24-Jan-2013**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1730**Contractor:** American Bridge/Fluor Enterprises, a JV**Location:** S.A.S. 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:** S.A.S. Structure**Summary of Items Observed:**

The Caltrans 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 accompanied the Assistant Structural Materials Representatives (ASMRs) Laura Webb and Parinaz Aghili and conducted a survey of the interior of the Orthotropic Box Girders (OBG) of the SAS structure. The survey was conducted on the E face of the West bound OBG. The QAI noted that multiple locations have water, rusting and debris visible in the upper areas of the wing of the OBGs. This information was given to the ASMR Laura Webb, for compilation into the list of inspected areas.

The QAI reviewed contract documents at pier 7. The QAI used approved weekly welding report submittals and cross referenced the welding and inspection status as reported with QA records to identify the overall weld status. The QAI continued reviewing the contractor's submitted Electro-Slag Welding (ESW) reports and referencing the Requests for Weld Repair (RWRs) in order to determine the status of completion of the repairs and welds' overall reported condition. The QAI completed reviewing welding report packages 139, 140 & 141. The QAI noted that during the review of these reports, discrepancies were noted. The QAI also identified previously reviewed reports that have discrepancies. The QAI met with the Quality Control Inspector (QCI) William Norris and discussed these reports. The QAI provided a copy of the reports that have been identified as needing revision or correction. The QAI and the QCI agreed that the specific reports could be revised and re-submitted in future welding report packages, as they are identifiable and the current reports have been noted that they are pending corrections. A scanned copy of these reports is also on file with the QAI for future reference. The QAI began reviewing welding report submittals 1536R142 and 1536R143 for contract conformance. This work was in progress at the end of the

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# WELDING INSPECTION REPORT

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shift. This work was in progress at the end of the shift.

**Summary of Conversations:**

The QAI relayed the status of the document / submittal reviews to the QAI Lead Danny Reyes. Except as described above, 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 Gary Thomas, (916) 764-6027, who represents the Office of Structural Materials for your project.

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<b>Inspected By:</b>	Croff,Scott	Quality Assurance Inspector
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<b>Reviewed By:</b>	Reyes,Danny	QA Reviewer
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