

**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-028401**Date Inspected:** 17-Sep-2012**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1930**Contractor:** American Bridge/Fluor Enterprises, a JV**Location:** S.A.S. Job site

<b>CWI Name:</b>	N / A	<b>CWI Present:</b>	Yes	No
<b>Inspected CWI report:</b>	Yes No N/A	<b>Rod Oven in Use:</b>	Yes No N/A	
<b>Electrode to specification:</b>	Yes No N/A	<b>Weld Procedures Followed:</b>	Yes No N/A	
<b>Qualified Welders:</b>	Yes No N/A	<b>Verified Joint Fit-up:</b>	Yes No N/A	
<b>Approved Drawings:</b>	Yes No N/A	<b>Approved WPS:</b>	Yes No N/A	
		<b>Delayed / Cancelled:</b>	Yes No N/A	
<b>Bridge No:</b>	34-0006	<b>Component:</b>	S.A.S. Structure	

**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 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 completed reviewing welding report submittal 1536R129, for conformance with the contract requirements. The QAI noted that there are category C comments relating to the submission and approval of Magnetic Particle Testing certification for John Pagliero. The QAI discussed the comment with the QAI Robert Mertz and the TL-20 report was generated. Reference the TL-20 report for additional information. The QAI completed and revised the 3 non-conforming incident reports that have been generated during the previous week. The reports were forwarded for distribution. The QAI also discussed the previously observed / reported unsafe job site conditions. The QAI informed the Structural Materials Representatives (SMRs) Gary Thomas and Bahjat Dagher. The QAI also informed the SMR Bahjat Dagher of the incident reports that were generated.

The QAI was requested to sample fastener components that have been delivered to the pier 7 for bolt shipment 161.

The QAI selected a representative sample of the fasteners components. The QAI also noted that several of the bolts have fins from the forging process. The QAI noted that bolts with this condition have been previously accepted for use. The QAI reviewed the supporting documentation for the fastener components and noted that the quantity listed as being supplied is more than documented as being produced for bolt lot #s 17628 and 17602. The QAI relayed this information to the Caltrans Engineer Bob Brignano and was informed that the Contractor will investigate the actual quantity of bolts to determine if additional testing is necessary and if there will be adequate

---

---

# WELDING INSPECTION REPORT

( Continued Page 2 of 2 )

---

---

supply. The QAI completed a TL-102 sampling form with lot number B212-090-12, based on the documented quantities from fabrication. The QAI noted that these fasteners will be field released upon acceptable verification testing. See the attached photos.

The QAI continued reviewing welding report packages 124, 125 and 126 for comments prior to submittal. The QAI was also provided with welding report package 127 for review prior to submittal. This work was in progress until the end of the shift.

\* The QAI also worked on the 04-0120S4 project during the time listed on this report, the hours worked will be respectively charged and the work reported to the contract.



## Summary of Conversations:

The QAI relayed the status of the document reviews, incident reports and bolt sampling to the QAI 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.

---

**Inspected By:** Croff, Scott

Quality Assurance Inspector

---

**Reviewed By:** Levell, Bill

QA Reviewer