

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: Casey, William
Address: 333 Burma Road
City: Oakland, CA 94607

Report No: WIR-026609
Date Inspected: 27-Oct-2011

Project Name: SAS Superstructure
Prime Contractor: American Bridge/Fluor Enterprises, a JV
Contractor: American Bridge/Fluor Enterprises, a JV

OSM Arrival Time: 730
OSM Departure Time: 1600
Location: Job Site

CWI Name:	Mike Johnson	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. components	

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 continued reviewing welding report packages 84, 85 and 86 for conformance with the contractor requirements. The QAI also continued reviewing documents and compiling the weld status from documentation. This work was in progress at the end of the shift.

The QAI was requested to sample fastener components that have been delivered to the Pier 7 job site. The QAI met with Caltrans Transportation Engineer Bob Brignano and was provided access to the fastener components. The QAI was also provided with copies of the pertinent manufacturing certification documents. The QAI pulled random samples to satisfy the contract requirements for verification. The QAI assigned lot numbers B212-041-11 and generated a TL-102 form with the pertinent information. The QAI noted that these samples will be delivered to Translab at a later time. See the attached photo.

The QAI made observations of work in progress on the existing skyway bike path and the following items were noted: The contractor is performing work directed by Contract Change Order (CCO 178), to modify existing bike path traveler railings. The contractor had several personnel at Pier 4E, working from the permanent traveler, performing this work. The QAI observed that the existing belvedere beams are being cut and cover plates are being welded onto the cut portion. At the time of the QAI's observations, work had been in progress for

WELDING INSPECTION REPORT

(Continued Page 2 of 3)

approximately 1 and 1/2 days. The QAI noted that the contract special provisions, CCO documents and referenced American Welding Society (AWS) D1.5 (year 2002) codes were not being followed during the performance of this work. The QAI informed the QAI Lead Bill Levell, the Structural Materials Representative (SMR) Nicolai Hvass that work has been in progress with out the Engineer being notified and also that there has been no notification of this work in progress to the contractor's Welding Quality Control Manager. The QAI also spoke with the Quality Control Inspector (QCI) Mike Johnson, regarding this work. The QCI informed the QAI that he was made aware that work would be performed, however, he was not aware that welding has been in progress for several days. The QAI generated a TL-15, Non-Conforming Incident Report and transmitted it to the QAI Lead Bill Levell. See the attached photos.



Summary of Conversations:

The QAI relayed the status of the document reviews and fastener assembly sample status to the QAI Lead Bill Levell. The QAI relayed the observations of work in progress to the QAI Lead Bill Levell and there was general agreement that an incident report should be written. The QAI also informed the QCI Mike Johnson that a TL-15 was being written. 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 Nina Choy (510) 385-5910, who represents the Office of Structural Materials for your project.

WELDING INSPECTION REPORT

(Continued Page 3 of 3)

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