

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-029069
Date Inspected: 23-Jan-2013

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

OSM Arrival Time: 700
OSM Departure Time: 1530
Location: S.A.S. 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:	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 was requested to sample fastener components that have been delivered to the pier 7 staging area. The QAI noted that 2 different shipments are ready for sampling. The QAI met with the Caltrans Transportation Engineer Bob Brignano selected a representative sample of the fastener components. The QAI reviewed the supporting documentation for the fastener components and noted that the 1st sample is of 5/8" threaded rod / nuts / washers for Request for Information (RFI) 3159R00 and will be used at cable band location East Panel Point 114. The QAI completed a TL-102 sampling form with lot number B212-006-13. The QAI noted that the 2nd sample is of 2" replacement cable band bolts that have been manufactured for Contract Change Order 273. The QAI noted that 1 sample of each heat / batch number have been selected. The QAI took possession of the samples and informed the Structural Materials Representative (SMR) Bahjat Dagher. The QAI was informed to hold the samples as the Engineer has not determined the verification testing requirements at this time and that the contractor is still conducting tests of the bolt assemblies. The QAI assigned lot number B212-007-13 for these bolt assemblies. Reference the TL-102 sample forms for additional information. See the attached photos.

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 continued reviewing welding report packages 139, 140 & 141, for contract

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conformance. 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.

Inspected By:	Croff, Scott	Quality Assurance Inspector
Reviewed By:	Reyes, Danny	QA Reviewer
