DEPARTMENT OF TRANSPORTATION
DIVISION OF ENGINEERING SERVICES
Office of Structural Materials
Quality Assurance and Source Inspection

Bay Area Branch
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Contract #: 04-0120F4
Cty: SF/ALA Rte: 80 PM: 13.2/13.9
File #: 1.28

WELDING INSPECTION REPORT

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

Report No: WIR-029931
Date Inspected: 17-Aug-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: Job Site

CWI Name: Fred Michels

Inspected CWI report:	☐ Yes	☑ No	☐ N/A	**CWI Present:**	☑ Yes	☐ No	
Electrode to specification:	☑ Yes	☐ No	☐ N/A	**Rod Oven in Use:**	☑ Yes	☐ No	☐ N/A
Qualified Welders:	☑ Yes	☐ No	☐ N/A	**Weld Procedures Followed:**	☑ Yes	☐ No	☐ N/A
Approved Drawings:	☑ Yes	☐ No	☐ N/A	**Verified Joint Fit-up:**	☑ Yes	☐ No	☐ N/A
				Approved WPS:	☑ Yes	☐ No	☐ N/A
				Delayed / Cancelled:	☐ Yes	☑ No	☐ N/A

Bridge No: 34-0006
Component: SAS Bikepath

Summary of Items Observed:

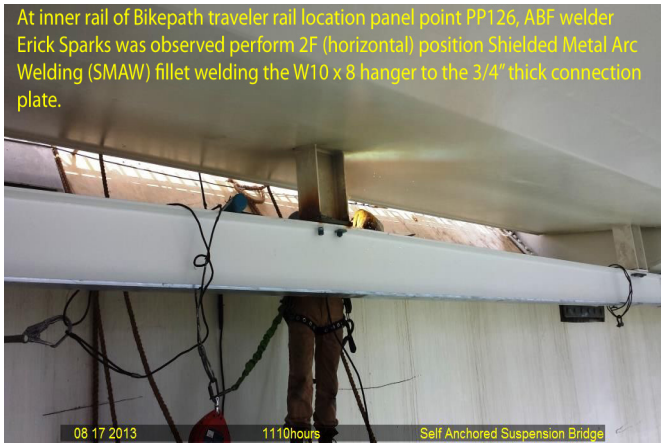
Caltrans Office of Structural Material (OSM) Quality Assurance Inspector (QAI) Joselito Lizardo was present at the Self Anchored Suspension (SAS) job site as requested to perform observations on the welding of components for the San Francisco Oakland Bay Bridge (SFOBB) Project.

Underneath the Bikepath at panel point PP126, this QA randomly observed ABF/JV qualified welder Eric Sparks perform the 8mm fillet welding of the flange and 5mm fillet welding on the web of W10 x 8 to ¾" thick connection plate inner rail hanger as required. The welder was observed welding in the 2F (horizontal) position utilizing the Shielded Metal Arc Welding (SMAW) with 1/8" diameter E7018H4R electrode as per the welding procedure ABF-WPS-D15-F1200A. During the shift, ABF QC Fred Michels was noted monitoring the welding and parameters of the welder. The measured welding parameters during welding was 126 amperes and at the end of the shift, the 2F SMAW fillet welding was completed.

The ¾" thick connection plate was cut, removed and re-welded due to discrepancy in length. This task was performed prior to approval of the Caltrans Engineer. When ABF QC was asked about the necessary supporting documents about the task being undertaken, Fred Michels informed this QA that ABF has submitted the Request for Information (RFI) but awaiting response from Caltrans.

WELDING INSPECTION REPORT

(Continued Page 2 of 2)



Summary of Conversations:

No significant conversation occurred today.

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 SMR Gary Thomas 916-764-6027, who represents the Office of Structural Materials for your project.

Inspected By:	Lizardo,Joselito	Quality Assurance Inspector
Reviewed By:	Reyes,Danny	QA Reviewer