

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-028446**Date Inspected:** 18-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:** 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:	OBG	

Summary of Items Observed:

Quality Assurance Inspector (QAI) Rodney Patterson was at the American Bridge/Fluor (ABF) job site at Yerba Buena Island in California between the times noted above in order to monitor Quality Control functions and the in process work being performed by ABF personnel. The following items were observed:

QA Recordable Verification

The QAI was provided by the QA Task Leader, a list of recordable indications transferred from the QC final ultrasonic Testing reports to verify. The transverse deck splice for the deck drop-in for lift 13W was ultrasonically examined in way of the Y locations that recordable indications were noted on the QC ultrasonic test reports. The QAI's findings on the verification of recordable indications are as follows.

Weld 13W-PP123.6

Y=175, AWS db rating=+14 was observed and recordable indication confirmed

Y=340, AWS db rating=+14 was observed and recordable indication confirmed

Weld 13W/14W-A0

Y=210, AWS db rating=+14 was observed and recordable indication confirmed

Y=630, AWS db rating=+15 was observed and recordable indication confirmed

Y=720, AWS db rating=+15 was observed and recordable indication confirmed

Y=930, AWS db rating=+13 was observed and recordable indication confirmed

Y=980, AWS db rating=+17 was observed and recordable indication confirmed

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During the QA recordable verification of this weld a total of one (1) rejectable indication was observed outside of the area specified as recordable in the provided document. The rejectable indication is located at Y=520 with an AWS db rating of +5.

Weld 13W/14W-A1

Y=30, Unable to detect a recordable indication at this Y location

Y=260, AWS db rating=+11 was observed and recordable indication confirmed

Y=1320, AWS db rating=+13 was observed and recordable indication confirmed

Y=2330, Unable to detect a recordable indication at this Y location

Y=2560, AWS db rating=+13 was observed and recordable indication confirmed

Y=5150, AWS db rating=+16 was observed and recordable indication confirmed

Y=5180, AWS db rating=+13 was observed and recordable indication confirmed

Weld 13W/14W-A2.1

Y=133, AWS db rating=+15 was observed and recordable indication confirmed

Y=135, AWS db rating=+15 was observed and recordable indication confirmed

Y=950, AWS db rating=+16 was observed and recordable indication confirmed

Y=1045, Unable to detect a recordable indication at this Y location

Y=1580, AWS db rating=+15 was observed and recordable indication confirmed

Y=1770, AWS db rating=+16 was observed and recordable indication confirmed

Y=1780, AWS db rating=+12 was observed and recordable indication confirmed

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.

Summary of Conversations:

As noted above

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:	Patterson,Rodney	Quality Assurance Inspector
Reviewed By:	Levell,Bill	QA Reviewer
