

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-028694**Date Inspected:** 20-Oct-2012**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1530**Contractor:** American Bridge/Fluor Enterprises, a JV**Location:** Job Site**CWI Name:** See below.**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 (QA) Fritz Belford 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:

Welder Chris Bruce #8901:

Welder was observed performing weld repairs on welds 12W W2.1-A1 and 12W PP115.5 W2.1-BW2, on Ultrasonic Testing Shear Wave (UTSW) rejected indications noted by QC Inspectors. Welder was observed utilizing Welding Procedure Specification (WPS) ABF-WPS-D15-1004R for Shielded Metal Arc Welding (SMAW). The welder was observed preheating the welds prior to Carbon Arc Gouging and welding. Other welding parameters as inspected by QC Inspector John Hays appear to be in compliance with the WPS noted above.

Non-Destructive Testing (NDT)

This QA performed Visual, Magnetic Particle and Ultrasonic Testing on the following:

Weld 13E PP124.5 E2.1-DAH:

- Deck Access Hole QA 50% Verification (2180mm x 20mm Thick, VT Reject)

- RWRs: 201209-022 thru 027, 050 & 098, 124 thru 135, and 201210-008.

Panel Point 12W PP115.5 W2.1:

- Weld BW2 - Repair Excavation (64 x 30 x 7 Deep, MPT Accept.)

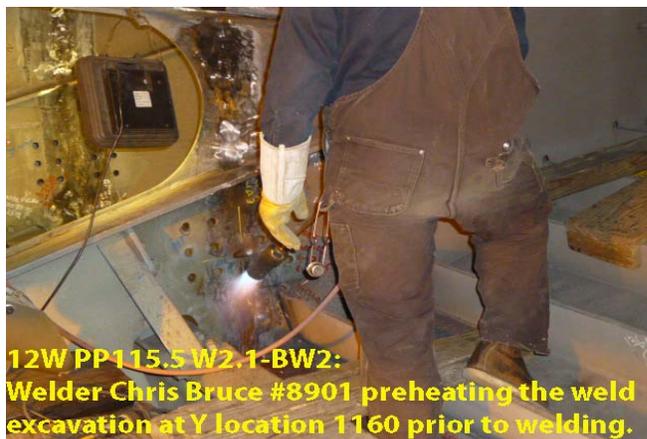
WELDING INSPECTION REPORT

(Continued Page 2 of 2)

This QA Inspector completed report forms TL-6028 and TL-6027 on this date noting items acceptance or rejection as per applicable code. The completed and accepted work observed at this location appeared to be in compliance with the contract specifications.

This QA observed QC Inspector John Hays performing various Non-Destructive Testing (NDT) on completed welds and weld repairs as they become available for testing in OBG 12W. Non-Destructive Testing methods utilized by the QC Inspectors were Visual Testing (VT), Magnetic Particle Testing (MPT) and Ultrasonic Testing Shear Wave (UTSW). QC Inspectors were observed accepting and rejecting welds per applicable code and or contract criteria.

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



Summary of Conversations:

This QA informed QC Inspector Salvador Merino of unacceptable indications on weld 13E PP124.5 E2.1-DAH Face A

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:	Belford,Fritz	Quality Assurance Inspector
Reviewed By:	Reyes,Danny	QA Reviewer
