

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
 690 Walnut Ave. St. 150  
 Vallejo, CA 94592-1133  
 (707) 649-5453  
 (707) 649-5493

Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 99.28**WELDING INSPECTION REPORT****Resident Engineer:** Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-000675**Date Inspected:** 16-Oct-2007**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1700**Contractor:** American Bridge/Fluor (ABF)**Location:** Benicia, CA

<b>CWI Name:</b>	Michael Johnson (CWI No. 95010391)			<b>CWI Present:</b>	Yes	No	
<b>Inspected CWI report:</b>	Yes	No	N/A	<b>Rod Oven in Use:</b>	Yes	No	N/A
<b>Electrode to specification:</b>	Yes	No	N/A	<b>Weld Procedures Followed:</b>	Yes	No	N/A
<b>Qualified Welders:</b>	Yes	No	N/A	<b>Verified Joint Fit-up:</b>	Yes	No	N/A
<b>Approved Drawings:</b>	Yes	No	N/A	<b>Approved WPS:</b>	Yes	No	N/A
				<b>Delayed / Cancelled:</b>	Yes	No	N/A
<b>Bridge No:</b>	34-0006			<b>Component:</b>	PQR Test Plate		

**Summary of Items Observed:**

Caltrans QA Inspector, Ken Jobes, observed the completion of welding on ABF-PQR-003-1B at the Ironworker's Apprentice Training Facility in Benicia, CA. The fit-up and welding of the first two passes had been observed by the same QA Inspector on the previous day, 10-15-07. This test plate was welded in the overhead (4G) position. American Welding Society (AWS) Certified Welding Inspector (CWI), Michael Johnson (CWI No. 95010391), was present both days during the test and recorded all applicable parameters. The completed weld exhibited excessive porosity and was visually rejected by Michael Johnson. See pictures below. Lincoln Electric representatives Kevin Korabik and Garr Eberle were also present. See TL 6032 generated on this date.

Caltrans QA Inspector, Ken Jobes, also observed the fit-up and welding of the first eight weld passes on ABF-PQR-003-2 at the Ironworker's Apprentice Training Facility in Benicia, CA. AWS CWI Michael Johnson was also present during this partial welding of this test plate and recorded all applicable parameters. This test plate was welded in the overhead (4G) position. Pass No. (7) had excessive porosity, which will be removed by grinding before the completion of welding on this test plate, which is scheduled for Wednesday morning, October 17, 2007. Lincoln Electric representatives Kevin Korabik and Garr Eberle were also present.

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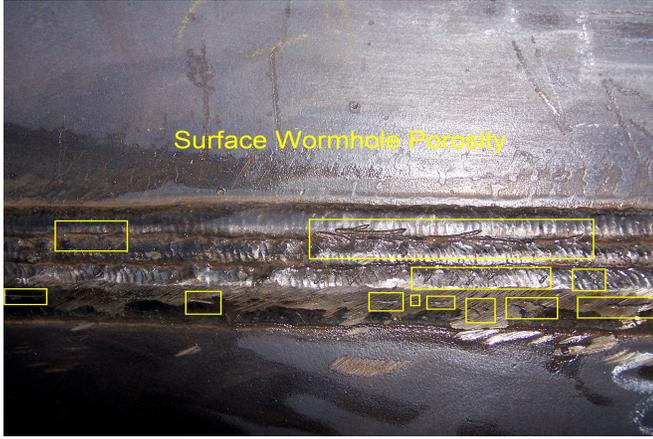
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# WELDING INSPECTION REPORT

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## Summary of 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 Mazen Wahbeh, (818) 292-0659, who represents the Office of Structural Materials for your project.

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**Inspected By:** Jobs, Kenneth

Quality Assurance Inspector

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**Reviewed By:** Mertz, Robert

QA Reviewer