

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 #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:** Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-002558**Date Inspected:** 22-May-2008**Project Name:** SAS Superstructure**OSM Arrival Time:** 1400**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 2330**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China

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 Deck Panels	

Summary of Items Observed:

CALTRANS Quality Assurance (QA) Inspector, Erik Prue was present for the fabrication scheduled for this project at the ZPMC facility in Shanghai, China for the San Francisco Oakland Bay Self Anchored Suspension Bridge.

OBG Bay 1: QA inspector performed ultrasonic testing (UT) verification before ZPMC Quality Control (QC) UT inspections on partial penetration joints of deck panel DP246-001 weld joints 5 & 7. QA UT inspected 15% of the total weld length of weld joints listed above. Area inspected by QA UT Inspector for DP040-001 contained no areas of depth of penetration less than the required 9.6 mm. For details on UT inspections see modified TL-6027 UT Inspection report dated 22 May, 2008.

QA Inspector reviewed ABF and ZPMC QC accepted radiographic (RT) film for bottom plate complete joint penetration (CJP) welds. Radiographic film for welds reviewed were; BP113-001-007, BP167-001-007, BP088-001-049, and BP032-001-007. RT film for bottom plate welds appear to be acceptable to AWS D1.5 (2002) and special provisions. For details please see radiographic film report TL-6029 dated 22 May, 2008.

WELDING INSPECTION REPORT

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Summary of Conversations:

No significant conversations this day.

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 Patrick Lowry, 858 344-2712, who represents the Office of Structural Materials for your project.

Inspected By:	Prue,Erik	Quality Assurance Inspector
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Reviewed By:	Carreon,Albert	QA Reviewer
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