

**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-008165**Date Inspected:** 27-Jun-2009**Project Name:** SAS Superstructure**OSM Arrival Time:** 645**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1845**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:** Shen fu you / Liu fa wen**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 Components**Summary of Items Observed:**

On this date Caltrans OSM Quality Assurance (QA) Inspector, S.Chandrakumar was present during the time noted above for observations relative to the work being performed.

BAY#14

Ongoing SMAW Welding of Weld Joint 4G-001 Located on SEG041 of 7EW Welder no indentified as 067610, 067571 and The welding variables recorded by QC ZMPC Mr. Li Ming Yang to comply with the WPS-B-2214-B-U2-FCM-1.

Ongoing FCAW Welding of Weld Joint 3F-0143 Located on DP148-001 Welder no indentified as 0206623 and The welding variables recorded by QC ZMPC Mr. Zhong Guo Hui to comply with the WPS-B-T-2133.

Ongoing FCAW Welding of Weld Joint 2G-003 Located on SSD10-PP56 of 7DW Welder no indentified as 0202122 and The welding variables recorded by QC ZMPC Mr. Liu Wan Wing to comply with the WPS-B-T-2232-Tc-U4b-F.

Ongoing SMAW Welding of Weld Joint 3F-025 Located on CA043 Welder no indentified as 045218 and The welding variables recorded by QC ZMPC Mr. Li Ming Yang to comply with the WPS-B-T-4113-2.

This Quality Assurance (QA) Inspector observed that a base metal distortion repair was performed on Deck plate 250 in way of deck panel splice weld No. SEG035\*-005. Approximately 340mm x 120mm of FCAW filler material was deposited around the splice weld. This base metal distortion repair was performed without the

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## WELDING INSPECTION REPORT

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approval of the Engineer.

For more information, please see the Incident report  
040120F4\_TL015\_B255\_06-27-09\_7BW\_Base\_Metal\_Distortion Repair

BAY#19

On going SMAW Welding of Weld Joint Fit-up 2F-004,005 Located on BP-025-008 Welder no indentified as 062798 and The welding variables recorded by QC ZMPC Mr. Liu Fu wen to comply with the WPS-B-P-2112-FCM-1.

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

**Summary of Conversations:**

No relevant Conversation.

**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 Jim Simonis - 134-7246-3441, who represents the Office of Structural Materials for your project.

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<b>Inspected By:</b>	Kumar,Chadra	Quality Assurance Inspector
<b>Reviewed By:</b>	Clifford,William	QA Reviewer

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