

**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-005128**Date Inspected:** 09-Jan-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:** Li Zhi jiang / SunWei**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 Quality Assurance (QA) Inspector, Lonnie Whitehead, was present during the times noted above for observations relative to the work being performed.

BAY#12

This QA Inspector performed an initial visual confirmation of the extent of rejectable indications contained in deck panels designated as:

DP115-001 (7BW)

DP142-001 (7BW)

DP277-001 (6BW)

This visual confirmation was performed in conjunction with ABF representative and ZPMC representative.

Lay Down Yard

This QA Inspector performed an initial visual confirmation of the extent of rejectable indications contained in deck panels designated as:

DP113-002 (6CW)

DP354-001 (6AE)

DP435-001 (6AE)

This visual confirmation was performed in conjunction with ABF representative and ZPMC representative.

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# WELDING INSPECTION REPORT

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BAY#3

This QA Inspector performed Ultrasonic Testing (UT) of approximately 10% of the area previously tested and accepted by ZPMC Quality Control personnel. This QA inspector generated a UT report for this date. The members are identified as:

FB023-005-146    FB023-004-127

FB016-031-021/062    FB009-027-021/062

FB015-031-023/062    FB010-029-023/062

This QA Inspector observed the following work in progress:

S.A.W. welding of the weld joint 108 located on FB023-007. Welder is identified as #050502. ZPMC QC is identified as Li Zhi jiang. The welding variables recorded by QC appeared to comply with the applicable WPS.

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

**Summary of Conversations:**

No relevant 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 Eric Tsang (15000422372), who represents the Office of Structural Materials for your project.

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

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