

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
690 Walnut Ave. St. 150  
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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-008235**Date Inspected:** 02-Jul-2009**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China

<b>CWI Name:</b>	Li Jia			<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>	Tower & OBG		

**Summary of Items Observed:**

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

**TRIAL ASSEMBLY YARD****Magnetic Particle Inspection**

This Q.A Inspector performed Magnetic particle Inspection of approximately 15% of the area previously tested and accepted by ZPMC Quality control personnel. This QA Inspector generated a (M.T) report for this date. The members are identified as the Floor Beam and deck plate Designation are as follows.

SSD14-PP017-028, 29  
FB055-001-011, 012, 013, 014  
DP047-001-034, 35,  
FB054-004-002, 003, 004, 005

OBG (Items from PUNCH LIST).

This QA Inspector performed Magnetic Particle Inspection (MT) and Ultrasonic Inspection (UT) of the area noted in the PUNCH LIST tested and accepted by ZPMC Quality Control personnel. The members are identified as

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## WELDING INSPECTION REPORT

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1) PUNCHLIST ITEM 957 : Exposed the weld to wet condition, the weld performed at the intersection between edge panel to deck panel at working point W2 (ACCEPT)

2) PUNCHLIST ITEM 1112: 50mm Linear Indication on the Drip plate located at 800mm from weld joint between 4AE-4BE toward 4BE (ACCEPT)

This QA Inspector randomly observed the following work in progress

### TRIAL ASSEMBLY YARD

ZPMC finished the splice weld joint between side panel to bottom panel and replacing work of LD in progress @PP23 in segment 3BW

Splice weld joint between side panel to bottom panel completed @PP25 and removed LD at this location need additional preparation.

Unless otherwise noted, all work observed on this dated 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 Jim Simonis - 134-7246-3441, who represents the Office of Structural Materials for your project.

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