

**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-012322**Date Inspected:** 24-Feb-2010**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>	N/A	<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>	OBG	

**Summary of Items Observed:**

On this day CALTRANS OSM Quality Assurance Inspector (QA) Shrikant Utekar was present during the times noted above for observations relative to the fabrication of the SAS Superstructure being performed by Zhenhua Port Machinery Company (ZPMC) at Changxing Island in Shanghai, China. QA observed and/or found the following:

TRIAL ASSEMBLY YARD

**MAGNETIC PARTICLE INSPECTION**

This Q.A Inspector performed Magnetic particle Testing 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 OBG segment 5 East longitudinal diaphragm hold back weld. Designations are as follows.

SEG022B-029, 030

SEG022C-029, 030

SEG024B-029, 030, 008, 008

SEG024C-029, 030, 008, 008

SEG026B-005, 006, 019, 020

SEG026C-005, 006, 019, 020

This Q.A Inspector performed Magnetic particle Testing of approximately 15% of the area previously tested and

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# WELDING INSPECTION REPORT

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accepted by ZPMC Quality control personnel. This QA Inspector generated a (M.T) report for this date. The members are identified as the OBG segment 5East and 5west. Designations are as follows.

FB040-001-015, 016, 017, 18, 019, 020

FB028-002-015, 016, 017, 18, 019, 020

FB024-001-015, 016, 017, 18, 019, 020

FB027-002-015, 016, 017, 18, 013, 014

FB023-001-015, 016, 017, 18, 013, 014

FB039-001-015, 016, 017, 18, 013, 014

BP026-001-024, 025, 026, 027, 036, 037, 038, 039

BP025-001-042, 043, 040, 041, 028, 029, 026, 027

SSD025-PP33-159, 160, 161, 162, 163, 164, 165, 166

SSD025-PP33-087, 088, 085, 086, 089, 090, 091, 092, 017, 018, 019, 020, 021, 022, 023, 024, 059, 060, 061, 062, 045, 046, 049, 050, 0125, 0126, 0127, 0128, 0129, 0130, 0131, 0132

SSD27-PP33-030, 031, 033, 034, 021, 022, 019, 020, 015, 016, 017, 018, 044, 045, 055, 056, 057, 058, 059, 060, 65, 66, 85, 86, 87, 88, 89, 90, 91, 92, 123, 124, 125, 126, 127, 128, 159, 160, 163, 164, 167, 168, 157, 158, 165, 166.

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 Eric Tsang, +(86) 1500 042 2372, 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>	Dawson,Paul	QA Reviewer
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