

**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-005903**Date Inspected:** 21-Mar-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

<b>CWI Name:</b>	LvLiqing			<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 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#19**

This QA inspector performed MT of approximately 15% of the area previously tested and accepted by ZPMC Quality Control Personnel. This QA Inspector generated an MT report for this date. The member is identified as Bottom Plate. The weld designations reviewed as follows:

BP028-001-10,11,16,17,18,22,49,48,50,53,44.

Green Tag issued for following items

SB005-32- Green tag no-005396.

SB005-30- Green tag no 004789.

FB210-001- Green tag no 005390.

FB210-002- Green tag no 005391.

FB210-1-002- Green tag no 005393.

FB210-1-001- Green tag no 005392.

Below items MT done by B260 on 3-20-09.

SB005-34- Green tag no 005398.

SB003-34- Green tag no 005399.

SB003-30- Green tag no 004790.

SB003-32- Green tag no 005397.

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## WELDING INSPECTION REPORT

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### SEG#4AE

This QA inspector performed MT of approximately 15% of the area previously tested and accepted by ZPMC Quality Control Personnel. This QA Inspector generated an MT report for this date. The member is identified as Segment 4AE. The weld designations reviewed as follows:

CSD7 PP24-49,57,29,08,10.

CSD2 PP24.5-83,79,63,47.

CSD5 PP25-49,57,39,29,08.

CSD2 PP25.5-83,71,63,51.

### BAY#19

@On going FCAW Welding of Weld Joint 2F-036,037 Located on BK006A5-001 Welder no indentified as 0062750,0062756,062735 and The welding variables recorded by QC ZMPC to comply with the WPS-B-T-2132-3.

@On going FCAW & SAW Welding of Weld Joint 1G-003 Located on BP026-005 Welder no indentified as 062794 & 062781 and The welding variables recorded by QC ZMPC to comply with the WPS-B-T-2231-B-U2-F & WPS-B-T-2221-B-L2C-S-2.

@Fit –up inspection of following weld joint carried out BP026-006-003.

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 Eric Tsang 150-0042-2372, 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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