

**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-010329**Date Inspected:** 21-Nov-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 / Li Ming**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/Tower Components**Summary of Items Observed:**

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

Bay#10

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 Tower Components. The weld designations reviewed are as follows:

- (ND1-A501E/E-3-32, 33, 34, 35)
- (ND1-A501D/E-4-041)
- (ND1-A501D/E-3-041)
- (ND1A501D/E-4-012, 013)
- (ND1A501D/E-3-012, 013)
- (ND1-A501E/E-4-32, 33, 34, 35)
- (ND1-A501D/E-036, 037)
- (SD1-A440D/E-039, 040)
- (SD1-A440D/E-4-42)
- (SD1-A440D/E-3-42)
- (SD1-A440D/E-4-22, 23)
- (SD1-A440D/E-3-22, 23)
- (SD1-A440E/E-4-29,30, 35, 36)
- (SD1-A440E/E-4-31, 32, 33, 34)

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# WELDING INSPECTION REPORT

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-(SD1-A440E/E-3-31, 32, 33, 34)

Bay#14

SMAW welding of weld joint SSD11-PP93-003 located on Segment 10CW. Welder is identified as 058243 (2F). ZPMC QC is identified as Li Ming Yang. The welding variables recorded by QC appeared to comply with the Applicable WPS-B-P-2112-FCM-1.

FCAW welding of weld joint Seg051E-013, 022, 031, 040, 049 located on Segment 9BW. Welder is identified as 201215 (3G). ZPMC QC is identified as Li Ming Yang. The welding variables recorded by QC appeared to comply with the Applicable WPS-B-T-2233-Tc-U4b-F.

FCAW welding of weld joint Seg55D-019, 074, 083, 128, 137 located on Segment 9BW. Welder is identified as 201215 (3G). ZPMC QC is identified as Li Ming Yang. The welding variables recorded by QC appeared to comply with the Applicable WPS-B-T-2233-Tc-U4b-F.

SMAW welding of weld joint Seg55E-014, 015, 032, 033, 041,042 located on Segment 9DW. Welder is identified as 067610 and 069683 (4F). ZPMC QC is identified as Li Ming Yang. The welding variables recorded by QC appeared to comply with the Applicable WPS-B-P-2114-FCM-1.

Unless otherwise noted, all 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 150-0042-2372, who represents the Office of Structural Materials for your project.

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<b>Inspected By:</b>	Patel,Hiranch	Quality Assurance Inspector
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<b>Reviewed By:</b>	Patterson,Rodney	QA Reviewer
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