

**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-006824**Date Inspected:** 12-May-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 Yan Hua**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 Assembly**Summary of Items Observed:**

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

Bay 2

Segment 1AE

This QA Inspector performed Magnetic Particle testing (MT) of approximately 15% of the area previously tested and accepted by ZPMC Quality control personnel. This QA inspector generated a (MT) report for this date. The members are identified as the deck panel diaphragm to rib stiffener welds. The Weld Designations are as follows:

DP580-090~097 and 150~158.

DP585-001-117~122 and 205~210.

DP585-002-117~122 and 205~210.

DP595-153~159.

DP600-153~159 and 258~265.

DP605-092~097 and 162~166.

This QA Inspector performed Magnetic Particle testing (MT) of approximately 15% of the area previously tested and accepted by ZPMC Quality control personnel. This QA inspector generated a (MT) report for this date. The members are identified as the floor beam component welds. The Weld Designations are as follows:

SSD34-PP8.5-159~166, 153 and 275.

SSD34A-PP8.5-159~166, 153 and 275.

SSD35-PP9-159~162, 153, 154 and 277.

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SSD35A-PP9-159~162, 153, 154 and 277.  
SSD36-PP9.5-159~162, 153, 154 and 277.  
SSD36A-PP9.5-159~162, 153, 154 and 277.  
SSD37-PP10-153, 154 and 277.  
SSD37A-PP10-153, 154 and 277.

This QA Inspector performed Magnetic Particle testing (MT) of approximately 15% of the area previously tested and accepted by ZPMC Quality control personnel. This QA inspector generated a (MT) report for this date. The members are identified as the Corner assembly welds. The Weld Designations are as follows:

CA107B-005, 003, 007, 047, 051, 057, 035 and 039.  
EP176-045 and 042.  
SP289-039.  
CA108B-047, 051 and 057.  
EP175-042.  
CSD12-PP10-005~008, 017, 018, 032~040, 051 and 052.  
CSD13-PP9.5-053~056, 065, 066, 089 and 090.  
CSD13-PP8.5-213, 214, 217 and 218.  
CSD13-PP9.5-117~120, 125, 126, 151, 152, 149 and 150.  
CSD13-PP8.5-245, 246, 249, 250, 253 and 254.  
CSD14-PP9-079~982, 087, 088, 115, 116, 130 and 131.  
CSD14-PP9-138~141, 146, 147, 166 and 167.

This QA Inspector performed Magnetic Particle testing (MT) of approximately 15% of the area previously tested and accepted by ZPMC Quality control personnel. This QA inspector generated a (MT) report for this date. The members are identified as the FL2-1 floor beam sub assemblies. The Weld Designations are as follows:

FB059-001-002 and 003.  
FB060-001-002 and 003.  
FB061-001-002 and 003.  
FB062-001-002 and 003.

This QA Inspector performed Magnetic Particle testing (MT) of approximately 15% of the area previously tested and accepted by ZPMC Quality control personnel. This QA inspector generated a (MT) report for this date. The members are identified as the FL2-2 floor beam sub assemblies. The Weld Designations are as follows:

FB064-001-008, 009, 012 and 013.  
FB066-001-008, 009, 012 and 013.  
FB070-001-008, 009, 012 and 013.  
FB072-001-008, 009, 012 and 013.

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

**Summary of Conversations:**

No Relevant conversations

**Comments**

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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>	Patterson,Rodney	Quality Assurance Inspector
<b>Reviewed By:</b>	Carreon,Albert	QA Reviewer

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