

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
 690 Walnut Ave. St. 150  
 Vallejo, CA 94592-1133  
 (707) 649-5453  
 (707) 649-5493

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-010067**Date Inspected:** 02-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:** Chen Xi**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**Summary of Items Observed:**

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

OBG # BAY 2

This QA inspector received ZPMC Non Destructive Testing (NDT) notification 004532 / 004526 to perform Magnetic Particle Testing (MT) of approximately 15% of the area previously tested and accepted by ZPMC Quality Control Personnel. This QA Inspector generated a Magnetic Particle Test report for this date. The member is identified as Floor beam. The weld tested is identified as follows:

(FB6501-001-002,015,016,021,022)  
 (FB3010-001-002,015,016,021,022)  
 (FB3027-001-002,015,016,021,022)  
 (FB3002-001-002,013,014,047,048,021,022,035,036)  
 (FB3042-001-002,015,016,033,021,022)  
 (FB3038-001-002,015,016,021,022,034,035)  
 (FB3041-001-002,015,016,021,022,032,033)  
 (FB6502-001-002,015,016,021,022)

This QA Inspector randomly observed the following work in progress:

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# WELDING INSPECTION REPORT

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OBG # BAY 2

Flux Cored Arc Welding Process:

Welding of weld joint –076 located on PCMK FB3090-001. Welder is identified as 045209. ZPMC QC is identified as Zhan hai feng. The welding variables recorded by QC appeared to comply with the WPS-B-T-2232-TC-U4b-F.

Welding of weld joint –022,023 located on PCMK FB3091-001. Welder is identified as 045209. ZPMC QC is identified as Zhan hai feng. The welding variables recorded by QC appeared to comply with the WPS-B-T-2133.

Welding of weld joint –033,041 located on PCMK FB3020-001. Welder is identified as 045209. ZPMC QC is identified as Zhan hai feng. The welding variables recorded by QC appeared to comply with the WPS-B-T-2232-TC-U4b-F.

Unless otherwise noted, all work 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 150-00422372, who represents the Office of Structural Materials for your project.

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<b>Inspected By:</b>	Sukanthan,Dhanasingh	Quality Assurance Inspector
<b>Reviewed By:</b>	Hall,Steven	QA Reviewer

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