

**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-013407**Date Inspected:** 13-Apr-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**CWI Name:** Zhou Cheng/Sun Bo**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 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#5**

This QA inspector performed VT of cat walk railings supports components (miscellaneous) of the area previously tested and accepted by ZPMC Quality Control personnel. The member is identified as OBG Components. The items designations drawing reviewed are as follows:

-(CATW9-0-(031))

-(CATW4-0-(057))

Total-88 Items

**Bay#8**

FCAW welding of weld joint BK004A6-056-112, 113 located on BK004A-056. Welder is identified as 040785 and 210341 (2F). ZPMC QC is identified as Zhang Qiao. The welding variables recorded by QC appeared to comply with the Applicable WPS-B-T-2132.

FCAW welding of weld joint BK004A6-056-068, 069 located on BK004A-056. Welder is identified as 040785 (2F). ZPMC QC is identified as Zhang Qiao. The welding variables recorded by QC appeared to comply with the Applicable WPS-B-T-2132.

FCAW welding of weld joint BK004A7-056-063, 064 located on BK004A-056. Welder is identified as 040785 (2F). ZPMC QC is identified as Zhang Qiao. The welding variables recorded by QC appeared to comply with the

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## WELDING INSPECTION REPORT

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Applicable WPS-B-T-2132.

FCAW welding of weld joint BK004A7-056-112, 113 located on BK004A-056. Welder is identified as 040785 and 210341 (2F). ZPMC QC is identified as Zhang Qiao. The welding variables recorded by QC appeared to comply with the Applicable WPS-B-T-2132.

Bay#19

FCAW welding of weld joint USPL1-463/464-001, 002 located on USPL1-463/464. Welder is identified as 062761 (2G). ZPMC QC is identified as Zhou Cheng. The welding variables recorded by QC appeared to comply with the Applicable WPS-B-T-2232-Tc-U4b-F.

FCAW welding of weld joint USPL1-465/466-001, 002 located on USPL1-465/466. Welder is identified as 06783 (2G). ZPMC QC is identified as Zhou Cheng. The welding variables recorded by QC appeared to comply with the Applicable WPS-B-T-2232-Tc-U4b-F.

FCAW welding of weld joint USPL1-467/468-001, 002 located on USPL1-467/468. Welder is identified as 062752 (2G). ZPMC QC is identified as Zhou Cheng. The welding variables recorded by QC appeared to comply with the Applicable WPS-B-T-2232-Tc-U4b-F.

FCAW welding of weld joint USPL1-469/470-001, 002 located on USPL1-469/470. Welder is identified as 062783 (2G). ZPMC QC is identified as Zhou Cheng. The welding variables recorded by QC appeared to comply with the Applicable WPS-B-T-2232-Tc-U4b-F.

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
<b>Reviewed By:</b>	McClendon,Timothy	QA Reviewer

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