

**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:** Siegenthaler, Peter**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-019126**Date Inspected:** 20-Dec-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:** Xu tao**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, S.Chandrakumar was present during the times noted above for observations relative to the work being performed.

BAY#19

SMAW welding of repair weld is identified as 1G-044 of BK004A1-014 for BK004A-014. The welder is identified as 259566. ZPMC QC is identified as Mr. Xu tao. The welding variables recorded by QC are appeared to comply with the WPS-345-SMAW-1G-Repair and B-WR19183.

FCAW welding of weld is identified as 4F-100,102 of BK004A3-014 for BK004A-014. The welder is identified as 062806. ZPMC QC is identified as Mr. Xu tao. The welding variables recorded by QC are appeared to comply with the WPS-B-T-2134-ESAB.

FCAW welding of weld is identified as 2F-069,070 of BK004A3-014 for BK004A-014. The welder is identified as 062806. ZPMC QC is identified as Mr. Xu tao. The welding variables recorded by QC are appeared to comply with the WPS-B-T-2132-ESAB.

FCAW welding of weld is identified as 3G-112,118 of BK004A5-014 for BK004A-014. The welder is identified as 062806. ZPMC QC is identified as Mr. Xu tao. The welding variables recorded by QC are appeared to comply with the WPS-B-T-2233-ESAB.

FCAW welding of weld is identified as 3F-054,055 of BK004A5-014 for BK004A-014. The welder is identified

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as 062755. ZPMC QC is identified as Mr. Xu tao. The welding variables recorded by QC are appeared to comply with the WPS-B-T-2133-ESAB.

ABF QC MT personnel performing Re MT of after heat straightening area fillet welds is in progress of BK004A-014 and BK005A-002.

ZPMC QC UT personnel performing UT of welds in Lift 11 suspender brackets are identified as SB108E and SB108W is in progress.

This QA inspector performed MT 15% of weld areas previously tested and accepted by ZPMC Quality Control personnel. This QA inspector generated an MT report for this date. The members are identified as OBG Bike path and suspender bracket. The weld designations reviewed as follows.

BKASD1-013-005,006,018,021

SB018-098-026,032

SB021-098-026,032

SB021-102-026,032

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



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**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-15--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
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<b>Reviewed By:</b>	Patel,Hiranch	QA Reviewer
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