

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 #: 99.28**WELDING INSPECTION REPORT****Resident Engineer:** Siegenthaler, Peter**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-022761**Date Inspected:** 09-Mar-2011**Project Name:** SAS Superstructure**OSM Arrival Time:** 1500**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 300**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:** Guo Xing Hui**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, APBB**Summary of Items Observed:**

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

BAY 14

This Caltrans QA inspector received ZPMC non-destructive test (NDT) notification number 08501 from ZPMC for Bay 14. This QA inspector performed ultrasonic testing (UT) verification of Bearing Block Castings after ZPMC had performed their UT inspection. The segment is identified as OBG Anchor Plate Bearing Blocks. The bearing block designations reviewed are as follows.

APBB1-087-15, APBB1-087-09, APBB1-095-13, APBB1-057-14, APBB1-064-07, APBB1-100-10, APBB1-100-12, APBB1-064-11, APBB1-100-11, APBB1-083-16, APBB1-087-07, APBB1-100-16, APBB1-108-14, APBB1-107-10, APBB1-083-13.

This QA Inspector observed the following work in progress for Bay 14.

ZPMC was using the Shielded Metal Arc Welding (SMAW) process.

ZPMC QC is identified as Zhan Hai Feng.

Welding variables recorded by QC appeared to comply with the approved Welding Procedure Specification (WPS).

Listed below are the locations that were identified by this QA inspector.

Component: Grillage

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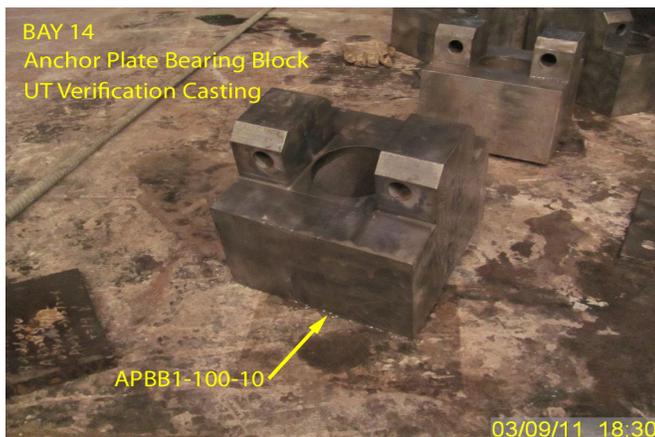
PCMK: SEG3007G
Weld Number: 117
Welder: 050242
WPS-B-T-2232-ESAB

Component: Grillage
PCMK: SEG3007G
Weld Number: 117
Welder: 055491
WPS-B-T-2232-ESAB

Component: Bottom Plate I Rib
PCMK: SEG3019W
Weld Number: 033
Welder: 215553
WPS-345-SMAW-3G-FCM-REPAIR
CWR 2755

Component: Floor Beam
PCMK: SEG3019E
Weld Number: 182
Welder: 216086
WPS-345-SMAW-3G-FCM-REPAIR
CWR 2755

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



Summary of Conversations:

No relevant conversations.

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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.

Inspected By:	Combs,Dennis	Quality Assurance Inspector
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Reviewed By:	Riley,Ken	QA Reviewer
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