

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-010339**Date Inspected:** 06-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:** Shen Fu You**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 COMPONENT**Summary of Items Observed:**

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

Magnetic Particle Testing

This Quality Insurance Inspector (QA) performed 15% verification Magnetic Particle Testing (MT) for OBG Deck Panel at outside yard area. This weld was previously tested and accepted by ZPMC QC MT technicians.

The weld designations reviewed are as follows:

DP-187-001-001,002 and 003

DP-188-001-002,003 and 004

DP-321-001-001,002 and 003

This Quality Insurance Inspector (QA) performed 15% verification Magnetic Particle Testing (MT) for OBG Counterweight welds at Bay #1. This weld was previously tested and accepted by ZPMC QC MT technicians.

The weld designations reviewed are as follows:

CW001A-PP076-001

CW001-PP076-127 and 128

CW002A-PP082-001,004,007,010

CW002-PP082-127 and 128

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Ultrasonic Testing (UT)

This QA Inspector performed Ultrasonic testing (UT) 10% of the area previously tested and accepted by ZPMC Quality control personnel. This QA inspector generated a (UT) report for this date. The members are identified as U-Rib to Stiffeners weld at Bay #9.

The Weld Designation are as follows
DP-3048-001-100,101,110 and 111

This QA Inspector performed Ultrasonic testing (UT) 10% of the area previously tested and accepted by ZPMC Quality control personnel. This QA inspector generated a (UT) report for this date. The members are identified as OBG corner Assembly weld at Bay #3.

The Weld Designation are as follows

CA079-034,070
CA080-046,081
CA081-045
CA082-034,045,069
CA083-034,045,058,082
CA084-033,070,021
CA085-070,081,058
CA086-022
CA087-058
CA088-070

Green Tagging

This QA inspector performed Visual Inspection for Green Tagging which were previously tested and accepted by ZPMC Quality Control personnel and ABF QA personnel. The members are identified as OBG Deck Panels.

The Panels are as follows:

DP-187-001 Green Tag No:009494
DP-188-001 Green Tag No:009495
DP-321-001 Green Tag No:009496

This QA inspector performed Visual Inspection for Green Tagging which were previously tested and accepted by ZPMC Quality Control personnel and ABF QA personnel. The members are identified as OBG Counterweights.

The Counterweights are as follows:

CW001-PP076 Green Tag No:10800
CW002-PP082 Green Tag No:10801

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

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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.

Inspected By:	Bera,Subhasis	Quality Assurance Inspector
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Reviewed By:	Patterson,Rodney	QA Reviewer
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