

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 #: 99.28**WELDING INSPECTION REPORT****Resident Engineer:** Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-013372**Date Inspected:** 22-Feb-2010**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) Chanxing Island **Location:** Shanghai, China**CWI Name:** Mr. Zhu Zhong Hai**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 Segment 10BE**Summary of Items Observed:**

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

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This QA inspector observed ZPMC qualified welding personnel identified as 062811 perform Shielded Metal Arc Welding (SMAW) Repair Welding on Suspender Bracket, weld joint identified as SB007-046-018 and 025. ZPMC QC is identified as Mr. Zhou Cheng. The welding parameters as measured using QC's calibrated instruments appeared to be in general compliance with WPS-345-SMAW-1G (1F).

This QA inspector observed ZPMC qualified welding personnel identified as 062811 perform Shielded Metal Arc Welding (SMAW) Repair Welding on Suspender Bracket, weld joint identified as SB007-046-037. ZPMC QC is identified as Mr. Zhou Cheng. The welding parameters as measured using QC's calibrated instruments appeared to be in general compliance with WPS-345-SMAW-1G (1F).

Magnetic Particle Testing (MT)

This QA inspector performed Visual Testing (VT) on OBG Segment 9DE and VT indications are confirmed by Magnetic Particle Testing (MT) on area previously tested and accepted by ZPMC Quality Control personnel. This QA Inspector generated an MT report for this date. The indications are clearly marked on the material near the weld for future repair. The members are identified as OBG Segment 9DE. The weld designations reviewed are

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as follows:

OBG Segment 9DE-PP81 East side

1. FB012-027-002
2. FB003-156-004
3. FB024-007-093

OBG Segment 9DE-PP82 West side

1. FB028-003-092

OBG Segment 9DE-PP81 West side

1. FB003-156-005
2. FB024-007-092

BLAST SHOP 1

Caltrans Quality Assurance (QA) Inspectors performed random visual inspection of OBG segment 8CE interior Corner Assembly, Bottom Panel, Floor Beam and Longitudinal Diaphragms surfaces from the panel point 69 to 70 after grit blasting. Areas that marked for repair were recorded for future repair. Areas requiring additional grinding were marked by QA and repaired by ZPMC personnel.

Unless otherwise noted, all work observed on this date appeared to be in general compliance with the applicable contract documents.

Summary of Conversations:

Only general conversation was held between QA and QC concerning this project.

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 , who represents the Office of Structural Materials for your project.

Inspected By:	Kumar, Vibin	Quality Assurance Inspector
Reviewed By:	McClendon, Timothy	QA Reviewer
