

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



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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-013443**Date Inspected:** 14-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) Chanxing Island**Location:** Shanghai, China**CWI Name:** Mr. Zhou Cheng**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 9DE**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.

Bay 19

This QA inspector observed ZPMC qualified welding personnel identified as 062761 perform Flux Cored Arc Welding (FCAW) Welding on USPL1, weld joint identified as USPL1-474-001 and 002. 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-B-T-2232-Tc-U4b-F.

This QA inspector observed ZPMC qualified welding personnel identified as 062807 perform FCAW Welding on USPL1, weld joint identified as USPL1-475-001 and 002. 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-B-T-2232-Tc-U4b-F.

This QA inspector observed ZPMC qualified welding personnel identified as 062752 perform FCAW Welding on USPL1, weld joint identified as USPL1-476-001 and 002. 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-B-T-2232-Tc-U4b-F.

This QA inspector observed ZPMC qualified welding personnel identified as 062761 perform FCAW Welding on

WELDING INSPECTION REPORT

(Continued Page 2 of 3)

USPL1, weld joint identified as USPL1-477-001 and 002. 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-B-T-2232-Tc-U4b-F.

This QA inspector observed ZPMC qualified welding personnel identified as 062807 perform FCAW Welding on USPL1, weld joint identified as USPL1-483-001 and 002. 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-B-T-2232-Tc-U4b-F.

Outside Yard 10CE

This QA inspector observed ZPMC qualified welding personnel identified as 069683 perform Shielded Metal Arc Welding (SMAW) Welding on OBG Segment 10CE, weld joint identified as SSD17-PP093-177, 178, 181 and 182. ZPMC QC is identified as Mr. Wang Xing Angpin. The welding parameters as measured using QC's calibrated instruments appeared to be in general compliance with WPS-B-P-2114-FCM-1.

This QA inspector observed ZPMC qualified welding personnel identified as 067656 perform SMAW Welding on OBG Segment 10CE, weld joint identified as SSD17-PP093-191, 192, 201 and 202. ZPMC QC is identified as Mr. Wang Xing Angpin. The welding parameters as measured using QC's calibrated instruments appeared to be in general compliance with WPS-B-P-2114-FCM-1.

This QA inspector observed ZPMC qualified welding personnel identified as 050969 perform SMAW Welding on OBG Segment 10CE, weld joint identified as SSD17-PP093-179 and 189. ZPMC QC is identified as Mr. Wang Xing Angpin. The welding parameters as measured using QC's calibrated instruments appeared to be in general compliance with WPS-B-P-2213-Tc-U4b-FCM-1.

Ultrasonic Testing (UT) - Document: 005523

This QA inspector performed UT of approximately 10% of the area previously tested and accepted by ZPMC Quality Control personnel. This QA Inspector generated an UT report for this date. The members are identified as OBG Segment 9DE. The weld designations reviewed are as follows:

1. SEG056A-001, 002, 003, 004, 011, 012, 013, 032

Visual Inspection after Blast

Segment 9CE

This QA Inspector performed a preliminary random visual inspection after the grit blast of the exterior components of the deck panel, floor beams and corner assemblies of this segment. Areas of visual weld defects that will require welding were taped and will be repaired after the coating is applied. ZPMC QC personnel are aware of these areas and were present during the inspection.

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

WELDING INSPECTION REPORT

(Continued Page 3 of 3)

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
