

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 #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:** Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-012872**Date Inspected:** 28-Mar-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:** Chen Xi**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:** Orthotropic Box Girder (OBG)**Summary of Items Observed:**

On this date Caltrans Office of Structural Material (OSM) Quality Assurance (QA) Inspector, D.Sukanthan was present during the time noted above for observations relative to the work being performed.

This QA Inspector randomly observed the following work in progress:

OBG # BAY 1

This QA observed ZPMC qualified welding personnel identified as 059450 perform Flux Cored Arc Weld (FCAW) Process on weld joint 20TR2-047-015. ZPMC Quality Control Personnel (QC) identified as Mr. Xiang Feng Feng was present to monitor the welding process. The welding parameters as measured using QC's calibrated instruments appeared to be in general compliance with WPS-B-T-2231-TC-U5-F.

This QA observed ZPMC qualified welding personnel identified as 216872 perform Flux Cored Arc Weld (FCAW) Process on weld joint 20TR1-045-003. ZPMC Quality Control Personnel (QC) identified as Mr. Xiang Feng Feng was present to monitor the welding process. The welding parameters as measured using QC's calibrated instruments appeared to be in general compliance with WPS-B-T-2231-TC-U5-F.

OBG # BAY 6

This QA observed ZPMC qualified welding personnel identified as 053753 perform Shielded Metal Arc Weld (SMAW) Process repair welding on weld joint 11TR3-007-014. ZPMC Quality Control Personnel (QC) identified

WELDING INSPECTION REPORT

(Continued Page 2 of 3)

as Mr. Zhong Dian Xing was present to monitor the welding process. The welding parameters as measured using QC's calibrated instruments appeared to be in general compliance with WPS-345-SMAW-2G (2F)-Repair and Weld Repair Report B-WR10292.

OBG # BAY 7

This QA observed ZPMC qualified welding personnel identified as 053753 perform Shielded Metal Arc Weld (SMAW) Process repair welding on weld joint 11TR3-007-014. ZPMC Quality Control Personnel (QC) identified as Mr. Zhong Dian Xing was present to monitor the welding process. The welding parameters as measured using QC's calibrated instruments appeared to be in general compliance with WPS-345-SMAW-2G (2F)-Repair and Weld Repair Report B-WR10292.

OBG # BAY 8

This QA observed ZPMC qualified welding personnel identified as 054460 perform Flux Cored Arc Weld (FCAW) Process repair welding on weld joint 11TR11-001-006. ZPMC Quality Control Personnel (QC) identified as Mr. Zhao Cheng Jian was present to monitor the welding process. The welding parameters as measured using QC's calibrated instruments appeared to be in general compliance with WPS-345-FCAW-2G (2F)-Repair-1 and Weld Repair Report B-WR10432.

This QA observed ZPMC qualified welding personnel identified as 045148 perform Shielded Metal Arc Weld (SMAW) Process repair welding on weld joint 10TR5-001-014. ZPMC Quality Control Personnel (QC) identified as Mr. Zhong Dian Xing was present to monitor the welding process. The welding parameters as measured using QC's calibrated instruments appeared to be in general compliance with WPS-345-SMAW-2G (2F)-Repair and Weld Repair Report B-WR10414.

This QA observed ZPMC qualified welding personnel identified as 045148 perform Shielded Metal Arc Weld (SMAW) Process repair welding on weld joint 11TR12-001-014. ZPMC Quality Control Personnel (QC) identified as Mr. Zhong Dian Xing was present to monitor the welding process. The welding parameters as measured using QC's calibrated instruments appeared to be in general compliance with WPS-345-SMAW-2G (2F)-Repair and Weld Repair Report B-WR10442.

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

Summary of Conversations:

As mention above

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 150-00422372, who represents the Office of Structural Materials for your project.

WELDING INSPECTION REPORT

(Continued Page 3 of 3)

Inspected By: Sukanthan,Dhanasingh

Quality Assurance Inspector

Reviewed By: Hall,Steven

QA Reviewer