

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-012547**Date Inspected:** 02-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:** Mr. Du zhi qun**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:** Tower**Summary of Items Observed:**

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

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1. This QA inspector, Baskar Govindarajan, observed, ZPMC qualified welding personnel identified as 052930, 050289 perform SMAW Buttering welding on, East tower Shearing plate and weld joint identified as ED1- A 27. ZPMC CWI Identified as Mr. Liu Zhong An. The welding parameters as measured using QC's calibrated instruments appeared to be in general compliance with WPS-345-SMAW- 2G (2F)- Repair. (Photo attached)

2. This QA inspector, Baskar Govindarajan, observed, ZPMC qualified welding personnel identified as 050295 perform SAW welding on, North tower Grillage plate, and weld joint identified as NSD1-TL5-3B-F-19B. ZPMC CWI Identified as Mr. Du Zhi Qun. The welding parameters as measured using QC's calibrated instruments appeared to be in general compliance with WPS-B-T-3221-B-U3C-S-1.

3. This QA inspector, Baskar Govindarajan, observed, ZPMC qualified welding personnel identified as 040581 perform SMAW Repair welding on, North tower, Lift 4, Skin A 135 mtr. Diaphragm to Doublers plate. ZPMC CWI Identified as Mr. Tu Jun. The welding parameters as measured using QC's calibrated instruments appeared to be in general compliance with WPS-345+485-2G (2F)-Repair 2.

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4. This QA inspector, Baskar Govindarajan, observed, ZPMC qualified welding personnel identified as 067609 perform SMAW Tack welding on, North tower Façade plate, and weld joint identified as ND1-A214-2 (1). ZPMC CWI Identified as Mr. Zhang Hung. The welding parameters as measured using QC's calibrated instruments appeared to be in general compliance with WPS-B-T-2132. (Photo attached)

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract 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 Skyler Guest - 15000422360, who represents the Office of Structural Materials for your project.

Inspected By: Baskar, Govindarajan

Quality Assurance Inspector

Reviewed By: Clifford, William

QA Reviewer