

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-011586**Date Inspected:** 07-Jan-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. Guo Pong
Inspected CWI report: Yes No N/A
Electrode to specification: Yes No N/A
Qualified Welders: Yes No N/A
Approved Drawings: Yes No N/A

CWI Present: Yes No
Rod Oven in Use: Yes No N/A
Weld Procedures Followed: Yes No N/A
Verified Joint Fit-up: 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 day CALTRANS OSM Quality Assurance Inspector (QA) Surendra Prabhu was present during the times noted above for observations relative to the fabrication of the Self Anchored Suspension (SAS) Superstructure being performed by Zhenhua Port Machinery Company (ZPMC) at Changxing Island, in Shanghai, China. QA observed and/or found the following:

BAY-10&11(TOWER)

This QA Inspector observed the following work in progress:

Shielded Metal Arc Welding (SMAW) repair of weld joint WSTL4-2B/L-6A/B located on FOURTH LIFTING TOWER(W)DE CORNER. Welder is identified as 202323/049099. ZPMC Quality Control (QC) is identified as Mr. Xu Jin Long. The welding variables recorded by QC appeared to comply with WPS: 345-SMAW-4G (4F) Repair and WRR No is: T-WR2966.

Shielded Metal Arc Welding (SMAW) of weld joint ESD1-TL5-2B/F-37B located on FASA5-2+FBSA5-4. Welder is identified as 058009/040611. ZPMC Quality Control (QC) is identified as Mr. Liu Dao Feng. The welding variables recorded by QC appeared to comply with WPS: B-T-3211-B-U4b.

Flux Cored Arc Welding (FCAW) of weld joint GGSA-36PLAN-56M-1-(1-6)-W. Welder is identified as 045290. ZPMC Quality Control (QC) is identified as Mr. Zhao Mao Mao. The welding variables recorded by QC appeared to comply with WPS: B-T-2132.

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BAY-10(TOWER)

The following Non Destructive Testing (NDT) Inspection carried out as per the ZPMC submitted notification No: 005015.

Magnetic Particle Testing (MT)

MT of approximately 15% of an area that has been previously tested and accepted by ZPMC Quality Control (QC) personnel. This QA Inspector generated an MT Report for this date. The members are identified as: SSD1-A434D/D-52, 53&NSD-A802D/D-52, 53.

The following Non Destructive Testing (NDT) Inspection carried out as per the ZPMC submitted notification No: 005015.

Visual Inspection(VT)

This QA Inspector performed VT of the area previously Tested and accepted by ZPMC QC Personnel. The members are identified as: SSD1-A434D/D-52, 53&NSD-A802D/D-52, 53.

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

Summary of Conversations:

Only general conversation was held between QA and Quality Control (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 Skyler Guest 15000422360, who represents the Office of Structural Materials for your project.

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| Inspected By: | Prabhu,Surendra | Quality Assurance Inspector |
| Reviewed By: | Miller,Mark | QA Reviewer |
