

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-012534**Date Inspected:** 18-Feb-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. Gang Liang Zhi**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, Nagalingam Pandaram Pillai was present during the times noted above for observations relative to the work being performed.

IN PROCESS INSPECTION:-

TOWER TRAIL ASSEMBLY AREA:-

EAST SHAFT LIFT 1:-

This QA inspector observed the following work in progress:

FCAW welding of weld joint no: ESD1-SA233-7 located on Skin B Interior Bearing Plate. Welder is identified as 066674. ZPMC QC is identified as Mr. Yuan Hai Gang. The welding variables recorded by QC appeared to comply with the WPS-B-T-2333-TC-P4-F.

This QA inspector observed the following work in progress:

FCAW welding of weld joint no: ESD1-SA233-15 located on Skin B Interior Bearing Plate. Welder is identified as 040736. ZPMC QC is identified as Mr. Yuan Hai Gang. The welding variables recorded by QC appeared to comply with the WPS-B-T-2333-TC-P4-F. Please see the attached picture below.

SOUTH SHAFT LIFT 1:-

This QA inspector observed the following work in progress:

WELDING INSPECTION REPORT

(Continued Page 2 of 3)

FCAW welding of weld joint no: SSD1-SA17F/G-17 located on Skin C Interior Bearing Plate. Welder is identified as 066477.ZPMC CWI is identified as Mr. Gang Liang Zhi. The welding variables recorded by QC appeared to comply with the WPS-B-T-2333-TC-P4-F.

This QA inspector observed the following work in progress:

FCAW welding of weld joint no: SSD1-SA18-17 located on Skin B Interior Bearing Plate. Welder is identified as 068047.ZPMC CWI is identified as Mr. Gang Liang Zhi. The welding variables recorded by QC appeared to comply with the WPS-B-T-2333-TC-P4-F.

This QA inspector observed the following work in progress:

FCAW welding of weld joint no: SSD1-SA18-15 located on Skin B Interior Bearing Plate. Welder is identified as 068047.ZPMC CWI is identified as Mr. Gang Liang Zhi. The welding variables recorded by QC appeared to comply with the WPS-B-T-2333-TC-P4-F.

This QA inspector observed the following work in progress:

FCAW welding of weld joint no: SSD1-SA16F/G-20 located on Skin E Interior Bearing Plate. Welder is identified as 053116.ZPMC CWI is identified as Mr. Gang Liang Zhi. The welding variables recorded by QC appeared to comply with the WPS-B-T-2333-TC-P4-F.

This QA inspector observed the following work in progress:

FCAW welding of weld joint no: SSD1-SA15D/F-5 located on Skin A Interior Bearing Plate. Welder is identified as 053116.ZPMC CWI is identified as Mr. Gang Liang Zhi. The welding variables recorded by QC appeared to comply with the WPS-B-T-2333-TC-P4-F. Please see the attached picture below.

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



Summary of Conversations:

No Relevant Conversation.

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

WELDING INSPECTION REPORT

(Continued Page 3 of 3)

your project.

| | | |
|----------------------|------------------|-----------------------------|
| Inspected By: | Pillai, Pandaram | Quality Assurance Inspector |
|----------------------|------------------|-----------------------------|

| | | |
|---------------------|-------------------|-------------|
| Reviewed By: | Clifford, William | QA Reviewer |
|---------------------|-------------------|-------------|