

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:** Siegenthaler, Peter**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-022303**Date Inspected:** 21-Mar-2011**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:** Xu Le Feng**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 & TOWER Components**Summary of Items Observed:**

On this date Caltrans Office of Structural Materials Quality Assurance Inspector, Sandeep Kumar (QA) was present during the times noted above for observations relative to the work being performed.

BAY#10

This QA Inspector observed the following work in progress

Shielded Metal Arc Welding (SMAW):

Weld joint #016 located on Traveler Rail 25TR1-001. Welder is identified as 057220. ZPMC Quality Control (QC) Inspector is identified as Jiang Xiao Bo. The welding variables recorded by QC appeared to comply with the WPS-B-P-2212-Tc-U5b.

Weld joint #013 located on Bike path component BK17-001. Welder is identified as 040365. ZPMC Quality Control (QC) Inspector is identified as Sun Zi Wang. The welding variables recorded by QC appeared to comply with the WPS-B-P-2213-Tc-U4c.

Weld joint #016 located on Traveler Rail 29TR1-001. Welder is identified as 050038. ZPMC Quality Control (QC) Inspector is identified as Jiang Xiao Bo. The welding variables recorded by QC appeared to comply with the WPS-B-P-2212-Tc-U5b.

Weld joint #014 located on Bike path component BK17-001. Welder is identified as 040365. ZPMC Quality

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Control (QC) Inspector is identified as Sun Zi Wang. The welding variables recorded by QC appeared to comply with the WPS-B-P-2213-Tc-U4c.

Weld joint #016 located on Traveler Rail 29TR1-001. Welder is identified as 059220. ZPMC Quality Control (QC) Inspector is identified as Jiang Xiao Bo. The welding variables recorded by QC appeared to comply with the WPS-B-P-2212-Tc-U5b.

Weld joint #014 located on Bike path component BK17B-001. Welder is identified as 040581. ZPMC Quality Control (QC) Inspector is identified as Sun Zi Wang. The welding variables recorded by QC appeared to comply with the WPS-B-P-2213-Tc-U4c.

Submerged Arc Welding (SAW):

Weld joint #016 located on Bike path BK15-001. Welder is identified as 209051. ZPMC Quality Control (QC) Inspector is identified as Sun Zi Wang. The welding variables recorded by QC appeared to comply with the WPS-B-T-2221-Tc-U4a-S.

Weld joint #017 located on Bike path BK15-001. Welder is identified as 209051. ZPMC Quality Control (QC) Inspector is identified as Sun Zi Wang. The welding variables recorded by QC appeared to comply with the WPS-B-T-2221-Tc-U4a-S. (See attached photo)

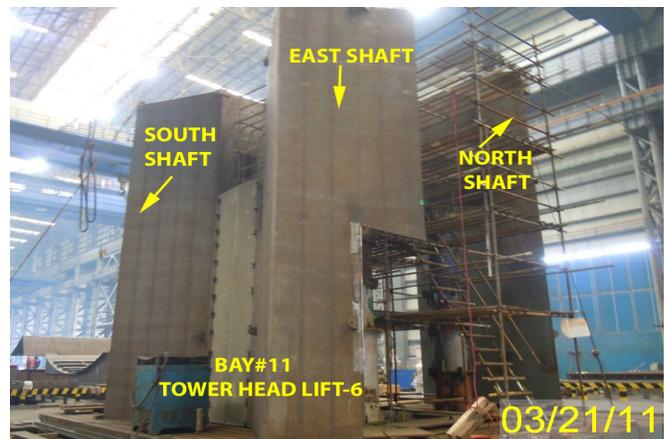
BAY#11

This QA Inspector observed the following work in progress

LIFT-6 TOWER HEAD SHAFTS INSTALLATION FOR TRIAL ASSEMBLY

This QA inspector observed east, south and north tower head shafts installation for trial assembly. The members are identified as TOWER Components. (See attached photo)

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



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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 Thomas Ho - 15002048250, who represents the Office of Structural Materials for your project.

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| Inspected By: | Kumar,Sandeep | Quality Assurance Inspector |
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| Reviewed By: | Clifford,William | QA Reviewer |
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