

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-023088**Date Inspected:** 08-Apr-2011**Project Name:** SAS Superstructure**OSM Arrival Time:** 1500**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 300**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:** Mr. Li Yan Hua**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**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.

Bay #16

This QA Inspector observed the following work in progress

Shielded Metal Arc Welding (SMAW)

Weld joint- 062, Located on Bottom plate of Crash Barrier W5-SB23-002. Welder is identified as 062092. ZPMC Quality Control Inspector (QC) is identified as Zheng Zhi Wei. The welding variables recorded by QC appeared to comply with the WPS-B-P-2112.

Weld joint- 063, Located on Bottom plate of Crash Barrier E2-SB25-001. Welder is identified as 062092. ZPMC Quality Control Inspector (QC) is identified as Zheng Zhi Wei. The welding variables recorded by QC appeared to comply with the WPS-B-P-2112.

Repair welding of Weld joint- 070, Located on Crash Barrier W5-SB31-004. Welder is identified as 053753. ZPMC Quality Control Inspector (QC) is identified as Zheng Zhi Wei. The welding variables recorded by QC appeared to comply with the WPS-345-SMAW-2G (2F)-Repair.

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Repair welding of Weld joint- 072, Located on Crash Barrier W5-SB31A-002. Welder is identified as 053753. ZPMC Quality Control Inspector (QC) is identified as Zheng Zhi Wei. The welding variables recorded by QC appeared to comply with the WPS-345-SMAW-2G (2F)-Repair.

Weld joint- 002/003, Located on Bike path Hand rails, FS2. Welder is identified as 201861. ZPMC Quality Control Inspector (QC) is identified as Zheng Zhi Wei. The welding variables recorded by QC appeared to comply with the WPS-B-P-2112.

Bay #19

This QA Inspector observed the following work in progress,

Heat Straightening:

Heat Straightening being performed on Cable Bracket Components identified as SA6031-001 by oxy-acetylene flame method to remove the distortion that occurred after welding. ZPMC Quality Control (QC) Inspector is identified as Gao Xing Hui present at the location. This activity appeared to comply with the Heat Straightening Report # HSR1 (B) – 10216.

For further information see below pictures:-

Unless otherwise noted, all work observed on this date appeared to be in general compliance with the 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 Hu (15002048250), who represents the Office of Structural Materials for your project.

Inspected By: Baskar, Govindarajan

Quality Assurance Inspector

Reviewed By: Clifford, William

QA Reviewer