

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 #: 99.28**WELDING INSPECTION REPORT****Resident Engineer:** Siegenthaler, Peter**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-020889**Date Inspected:** 23-Feb-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: Peng Wen Jun
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:** OBG, Bike Path**Summary of Items Observed:**

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

Bay 14

This QA Inspector observed the following work in progress for Bay 14.

ZPMC was using the Shielded Metal Arc Welding (SMAW) and Flux Cored Arc Welding (FCAW) processes.

ZPMC QC is identified as Li Ping.

Welding variables recorded by QC appeared to comply with the approved Welding Procedure Specification (WPS).

Listed below are the locations that were identified by this QA inspector.

Component: Vertical Shear Plate

PCMK: SEG3020BB

Weld Number: 113

Welder: 067949

WPS-B-T-2233-ESAB

Component: Anchor Plate

PCMK: SEG3020P

Weld Number: 023

Welder: 067764

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WPS-B-P-2114-FCM-1

Component: Anchor Plate

PCMK: SEG3020P

Weld Number: 051

Welder: 067609

WPS-B-P-2114-FCM-1

Component: Deck Plate

PCMK: DP3172-001

Weld Number: 019

Welder: 066038

WPS-B-P-2212-TC-U4b-FCM-1

Component: Deck Plate

PCMK: DP3172-001

Weld Number: 019

Welder: 066038

WPS-B-P-2212-TC-U4b-FCM-1

Component: Longitudinal Diaphragm I Rib

PCMK: SEG3007U

Weld Number: 039

Welder: 216086

WPS-B-P-2212-TC-U4b-FCM-1

Bay 19

This QA Inspector observed the following work in progress for Bay 19.

ZPMC was using the Shielded Metal Arc Welding (SMAW) processes.

ZPMC QC is identified as Guo Xing Hui.

Welding variables recorded by QC appeared to comply with the approved Welding Procedure Specification (WPS).

Listed below are the locations that were identified by this QA inspector.

Component: Bike Path

PCMK: BK004A2-013

Weld Number: 017, 019

Welder: 259906

WPS-B-P-2112-Plug

Component: Bike Path

PCMK: BK004A2-013

Weld Number: 014

Welder: 050082

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WPS-B-P-2112-Plug

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 Eric Tsang 150-0042-2372, who represents the Office of Structural Materials for your project.

Inspected By:	Combs,Dennis	Quality Assurance Inspector
Reviewed By:	Riley,Ken	QA Reviewer
