

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



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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-017922**Date Inspected:** 09-Nov-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) Chanxing Island**Location:** Shanghai, China**CWI Name:** Mr. Xu Tao**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 Bike Path**Summary of Items Observed:**

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

Magnetic Particle Testing (MT) – NWIT Document No's: 007286

This QA inspector performed MT of approximately 15% of the area previously tested and accepted by ZPMC Quality Control personnel. This QA Inspector generated an MT report for this date. The members are identified as OBG Bike Path. The weld designations reviewed are as follows:

1. BK005A4-001-079

Ultrasonic Testing (UT) – NWIT Document No: 007288

This QA inspector performed UT of approximately 10% of the area previously tested and accepted by ZPMC Quality Control personnel. This QA Inspector generated an UT report for this date. The members are identified as OBG Bike Path. The weld designations reviewed are as follows:

1. BK004A1-006-043, 044

Magnetic Particle Testing (MT) – NWIT Document No's: 007289

WELDING INSPECTION REPORT

(Continued Page 2 of 3)

This QA inspector performed MT of approximately 15% of the area previously tested and accepted by ZPMC Quality Control personnel. This QA Inspector generated an MT report for this date. The members are identified as OBG Bike Path. The weld designations reviewed are as follows:

1. BK004A1-001-030, 031, 032, 033, 034, 035, 036, 037
2. BK004A1-010-030, 031, 032, 033, 034, 035, 036, 037
3. BK004A3-001-064, 073
4. BK004A3-010-064, 073
5. BK004A4-001-079, 084
6. BK004A4-010-079, 084

Bay 19

This QA Inspector observed the following work in progress:

Flux Core Arc Welding (FCAW) welding of weld joint SB024-108-059 and 070 located on Suspender Bracket SB108W. ZPMC Welder is identified as 062762. ZPMC Quality Control (QC) is identified as Mr. Peng Wen Jun. The welding variables recorded by QC appeared to comply with the Applicable WPS -B-T-2232-Tc-U4b-F.

FCAW welding of weld joint SB025-108-072 and 088 located on Suspender Bracket SB108E. ZPMC Welder is identified as 062755. ZPMC Quality Control (QC) is identified as Mr. Peng Wen Jun. The welding variables recorded by QC appeared to comply with the Applicable WPS -B-T-2232-Tc-U4b-F.

FCAW welding of weld joint SB021-096-025 and 043 located on Suspender Bracket SB096W. ZPMC Welder is identified as 058792. ZPMC Quality Control (QC) is identified as Mr. Peng Wen Jun. The welding variables recorded by QC appeared to comply with the Applicable WPS -B-T-2232-Tc-U4b-F.

This QA inspector observed ABF personnel performed Magnetic Particle Testing on Clip plate of OBG Bike Path BK004A-001 and BK004A-010.

FCAW welding of weld joint BK004A1-003-030, 031, 032, 033, 034, 035, 036, 037, 039, 040, 041 and 042 located on clip plate of OBG Bike Path. ZPMC Welder is identified as 062783 and 062807. ZPMC Quality Control (QC) is identified as Mr. Guo Xing Hui. The welding variables recorded by QC appeared to comply with the Applicable WPS -B-T-2132.

FCAW welding of weld joint BK004A1-008-030, 031, 032, 033, 034, 035, 036, 037, 039, 040, 041 and 042 located on clip plate of OBG Bike Path. ZPMC Welder is identified as 062783 and 062807. ZPMC Quality Control (QC) is identified as Mr. Guo Xing Hui. The welding variables recorded by QC appeared to comply with the Applicable WPS -B-T-2132.

Unless otherwise noted, all work observed on this date appeared to be in general compliance with the applicable contract documents.

Summary of Conversations:

WELDING INSPECTION REPORT

(Continued Page 3 of 3)

Only general conversation was held between QA and 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 , who represents the Office of Structural Materials for your project.

Inspected By:	Kumar,Vibin	Quality Assurance Inspector
Reviewed By:	Patel,Hiranch	QA Reviewer
