

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:** Siegenthaler, Peter**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-021540**Date Inspected:** 18-Dec-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:** Xu Le Feng /Qiu Wen**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 (QA) Inspector, Scott Leavitt, was present during the times noted above for observations relative to the work being performed.

Bay 11 – Tower Shop

In Process Inspection SMAW

This QA Inspector observed the following work in progress: SMAW welding of weld joint 022 located on BK004ASD1-019. Welder is identified as 041271. ZPMC Quality Control (QC) is identified as Xu Le Feng.. The welding variables recorded by QC appeared to comply with the Applicable WPS.

This QA Inspector observed the following work in progress: SMAW welding of weld joint 003 located on BK004ASD1-019. Welder is identified as 040655. ZPMC Quality Control (QC) is identified as Xu Le Feng.. The welding variables recorded by QC appeared to comply with the Applicable WPS.

This QA Inspector observed the following work in progress: SMAW welding of weld joint 014 located on BK4A2-023. Welder is identified as 066326. ZPMC Quality Control (QC) is identified as Xu Le Feng.. The welding variables recorded by QC appeared to comply with the Applicable WPS.

Visual Inspection

The following Non Destructive Testing (NDT) inspection carried out as per the ZPMC submitted Notification No 07824.

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This QA inspector performed VT of an area that has been previously tested and accepted by ZPMC Quality Control (QC) personnel.

The members are identified as:

BK004A3-029-073, 064

BK004A4-029 084, 079

SP3114- 001-001, 002, 003, 004, 005

SP3111-001-001, 002, 003, 004, 005, 006, 007, 008, 009, 010, 017, 018, 019, 020, 021, 022, 023, 024, 025, 026, 027, 028, 029, 030, 031, 032, 033, 034, 035, 036, 037, 038, 039, 040, 041, 042, 043, 044, 045, 046, 051, 052, 055, 056, 057, 061

The following Non Destructive Testing (NDT) inspection carried out as per the ZPMC submitted Notification No 07825.

This QA inspector performed VT of an area that has been previously tested and accepted by ZPMC Quality Control (QC) personnel.

The members are identified as:

BK004A1-053-030, 031, 032, 033, 034, 035, 036, 037, 039, 040, 041, 042

BK004A1-053-001, 010, 005, 006, 004, 013, 008, 038

The following Non Destructive Testing (NDT) inspection carried out as per the ZPMC submitted Notification No 07831.

This QA inspector performed VT of an area that has been previously tested and accepted by ZPMC Quality Control (QC) personnel.

The members are identified as:

BK004A3-020-073, 064, 084, 079

BK004A3-053-073, 064, 084, 079

BK004A3-054-073, 064, 084, 079

BK004A3-055-073, 064, 084, 079

BK004A-053(BKPL3B) Base Metal

Magnetic Particle Inspection (MT)

The following Non Destructive Testing (NDT) inspection carried out as per the ZPMC submitted Notification No 07824.

This QA inspector performed MT of approximately 15% of an area that has been previously tested and accepted by ZPMC Quality Control (QC) personnel. This QA Inspector generated an MT report for this date.

The members are identified as:

BK004A3-029-073, 064

BK004A4-029 084, 079

SP3114- 001-001, 002, 003, 004, 005

SP3111-001-001, 002, 003, 004, 005, 006, 007, 008, 009, 010, 017, 018, 019, 020, 021, 022, 023, 024, 025, 026, 027, 028, 029, 030, 031, 032, 033, 034, 035, 036, 037, 038, 039, 040, 041, 042, 043, 044, 045, 046, 051, 052, 055, 056, 057, 061

The following Non Destructive Testing (NDT) inspection carried out as per the ZPMC submitted Notification No

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07825.

This QA inspector performed MT of approximately 15% of an area that has been previously tested and accepted by ZPMC Quality Control (QC) personnel. This QA Inspector generated an MT report for this date.

The members are identified as:

BK004A3-029-073, 064

BK004A4-029 084, 079

SP3114- 001-001, 002, 003, 004, 005

SP3111-001-001, 002, 003, 004, 005, 006, 007, 008, 009, 010, 017, 018, 019, 020, 021, 022, 023, 024, 025, 026, 027, 028, 029, 030, 031, 032, 033, 034, 035, 036, 037, 038, 039, 040, 041, 042, 043, 044, 045, 046, 051, 052, 055, 056, 057, 061

The following Non Destructive Testing (NDT) inspection carried out as per the ZPMC submitted Notification No 07831.

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The members are identified as:

BK004A3-020-073, 064, 084, 079

BK004A3-053-073, 064, 084, 079

BK004A3-054-073, 064, 084, 079

BK004A3-055-073, 064, 084, 079

BK004A-053(BKPL3B) Base Metal

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 at 15000422372, who represents the Office of Structural Materials for your project.

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Inspected By:	Leavitt, Scott	Quality Assurance Inspector
Reviewed By:	Clifford, William	QA Reviewer
