

**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-020497**Date Inspected:** 25-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 020 located on BK004A2-003. Welder is identified as 066155. 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 07914.

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:

SSD-SPSA6-1-1A/B

NSD1-SPSA6-1-1A/B

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The following Non Destructive Testing (NDT) inspection carried out as per the ZPMC submitted Notification No 07919.

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

The members are identified as:

BK004A-031

The following Non Destructive Testing (NDT) inspection carried out as per the ZPMC submitted Notification No 07921.

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:

BK004C3-024-002, 010

BK004C5-024-002, 008

BK004C3-024-021, 022, 045, 046

BK004C4-024-004, 005, 030, 031, 056, 057, 019, 020, 045, 046, 071, 072, 006, 007, 032, 033, 058, 059

BK004C6-024-063, 070, 080, 078, 090, 088, 100, 098, 061, 065, 076, 082, 086, 092, 096, 102, 072, 073

BK004C3-024-030, 031, 056, 057

BK004C8-024-063, 070, 080, 078, 090, 088, 100, 098, 061, 065, 076, 082, 086, 092, 096, 102, 072, 073

BK004C5-024-112, 115, 118, 121, 122, 125, 128, 131, 014, 015, 034, 054, 074, 075, 024, 025, 044, 045, 064, 065, 084, 085, 110, 113, 114, 116, 117, 119, 120, 123, 124, 126, 127, 129, 130, 132, 133, 004, 007

BK004C2-024-001, 003, 004, 005, 006, 009, 010, 011, 012, 007

BK004C3-024-032, 033, 058, 059, 005, 009

BK004C4-024-021, 022, 047, 048, 073, 074

BK004C3-024-019, 020, 043, 044

The following Non Destructive Testing (NDT) inspection carried out as per the ZPMC submitted Notification No 07924.

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:

BK009A4-001-001

BK009A3-001-004

BK009A4-001-004

BK009A5-001-001

BK009A3-001-001

BK009A3-001-007

The following Non Destructive Testing (NDT) inspection carried out as per the ZPMC submitted Notification No 07926.

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:

BK004ASD1-023-001, 002, 003, 004

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BK004ASD1-023-022, 023, 024, 027

### Magnetic Particle Inspection (MT)

The following Non Destructive Testing (NDT) inspection carried out as per the ZPMC submitted Notification No 07921.

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:

BK004C3-024-002, 010

BK004C5-024-002, 008

BK004C3-024-021, 022, 045, 046

BK004C4-024-004, 005, 030, 031, 056, 057, 019, 020, 045, 046, 071, 072, 006, 007, 032, 033, 058, 059

BK004C6-024-063, 070, 080, 078, 090, 088, 100, 098, 061, 065, 076, 082, 086, 092, 096, 102, 072, 073

BK004C3-024-030, 031, 056, 057

BK004C8-024-063, 070, 080, 078, 090, 088, 100, 098, 061, 065, 076, 082, 086, 092, 096, 102, 072, 073

BK004C5-024-112, 115, 118, 121, 122, 125, 128, 131, 014, 015, 034, 054, 074, 075, 024, 025, 044, 045, 064, 065, 084, 085, 110, 113, 114, 116, 117, 119, 120, 123, 124, 126, 127, 129, 130, 132, 133, 004, 007

BK004C2-024-001, 003, 004, 005, 006, 009, 010, 011, 012, 007

BK004C3-024-032, 033, 058, 059, 005, 009

BK004C4-024-021, 022, 047, 048, 073, 074

BK004C3-024-019, 020, 043, 044

### Ultrasonic Testing Inspection (UT)

The following Non Destructive Testing (NDT) inspection carried out as per the ZPMC submitted Notification No 07914.

This QA inspector performed UT of approximately 10% of an area that has been previously tested and accepted by ZPMC Quality Control (QC) personnel. This QA Inspector generated a UT report for this date.

The members are identified as:

SSD-SPSA6-1-1A/B

NSD1-SPSA6-1-1A/B

The following Non Destructive Testing (NDT) inspection carried out as per the ZPMC submitted Notification No 07924.

This QA inspector performed UT of approximately 10% of an area that has been previously tested and accepted by ZPMC Quality Control (QC) personnel. This QA Inspector generated a UT report for this date.

The members are identified as:

BK009A4-001-001

BK009A3-001-004

BK009A4-001-004

BK009A5-001-001

BK009A3-001-001

BK009A3-001-007

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The following Non Destructive Testing (NDT) inspection carried out as per the ZPMC submitted Notification No 07926.

This QA inspector performed UT of approximately 10% of an area that has been previously tested and accepted by ZPMC Quality Control (QC) personnel. This QA Inspector generated a UT report for this date.

The members are identified as:

BK004ASD1-023-001, 002, 003, 004

BK004ASD1-023-022, 023, 024, 027

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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<b>Inspected By:</b>	Leavitt, Scott	Quality Assurance Inspector
<b>Reviewed By:</b>	Clifford, William	QA Reviewer

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