

**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:** Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-006821**Date Inspected:** 08-May-2009**Project Name:** SAS Superstructure**OSM Arrival Time:** 645**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1845**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:** 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 Assembly**Summary of Items Observed:**

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

Segment Repair Yard (North of the blast shop)

Segment 1AW

This QA Inspector performed Magnetic Particle testing (MT) of approximately 15% of the area previously tested and accepted by ZPMC Quality control personnel. This QA inspector generated a (MT) report for this date. The members are identified as the floor beam component welds. The Weld Designations are as follows:

SSD34-PP8.5-057~062 and 109~116.

SSD34A-PP8.5-057~064 and 109~114.

SSD35-PP9-047~052 and 106~113.

SSD35A-PP9-047~052 and 106~113.

This QA Inspector performed Magnetic Particle testing (MT) of approximately 15% of the area previously tested and accepted by ZPMC Quality control personnel. This QA inspector generated a (MT) report for this date. The members are identified as the longitudinal diaphragm super assembly welds. The Weld Designations are as follows:

SEG003B-009, 011, 013 and 040~043.

SEG003C-009, 011, 013 and 040~043.

SEG003D-013, 029, 035 and 051.

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## WELDING INSPECTION REPORT

( Continued Page 2 of 3 )

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This QA Inspector performed Magnetic Particle testing (MT) of approximately 15% of the area previously tested and accepted by ZPMC Quality control personnel. This QA inspector generated a (MT) report for this date. The members are identified as the corner assembly welds. The Weld Designations are as follows:

CA105B-005, 007, 021~024 and 035~038.

CA106B-005, 007, 021~024 and 035~038.

CSD13-PP8.5-099~104 and 107~110.

CSD13-PP9.5-005~008, 013, 014, 019 and 020.

CSD14-PP9-003~006 and 011~014.

CSD11-PP10-005~008, 019~022, 041~044 and 057~060.

CSD14-PP9-076~079 and 184~187.

CSD13-PP9.5-167~170, 175, 176, 182 and 183.

CSD13-PP8.5-229~234 and 237~240.

This QA Inspector performed Magnetic Particle testing (MT) of approximately 15% of the area previously tested and accepted by ZPMC Quality control personnel. This QA inspector generated a (MT) report for this date. The members are identified as the deck panel diaphragm welds. The Weld Designations are as follows:

DP540-025~029 and 062~067.

DP545-001-159~163 and 199~204.

DP545-002-159~163 and 199~204.

DP550-206~211 and 252~257.

DP555-206~211 and 252~257.

DP560-206~211 and 252~257.

DP565-125~129 and 153~158.

DP570-211~215 and 238~243.

DP575-211~215 and 238~243.

This QA Inspector performed a preliminary random visual inspection of the internal structure of this segment. Areas that were marked to be ground and welded were repaired at the time of inspection.

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.

**Summary of Conversations:**

No Relevant conversations

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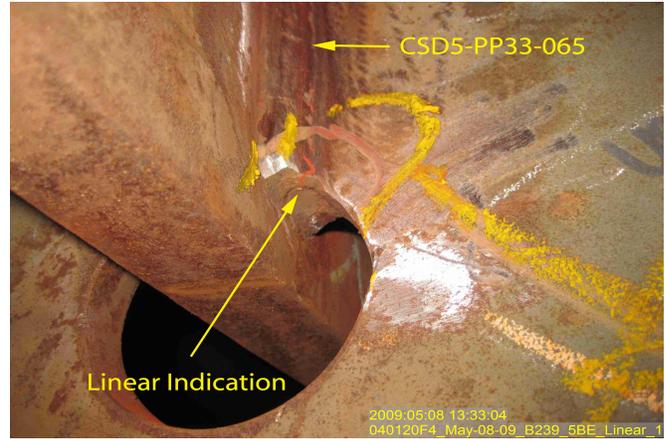
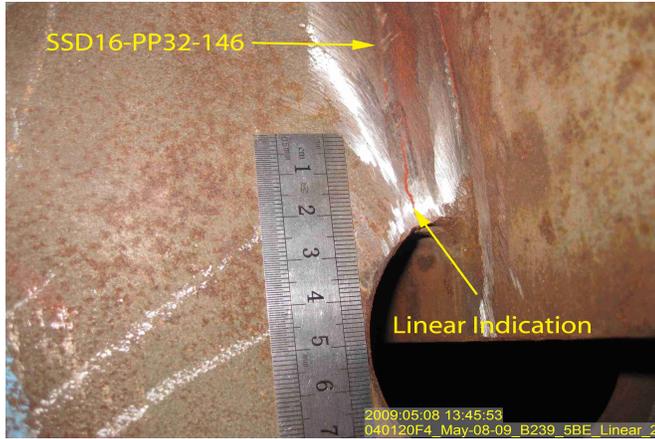
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# WELDING INSPECTION REPORT

( Continued Page 3 of 3 )

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## 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, (15000422372), who represents the Office of Structural Materials for your project.

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**Inspected By:** Patterson,Rodney

Quality Assurance Inspector

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**Reviewed By:** Carreon,Albert

QA Reviewer