

**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-010258**Date Inspected:** 20-Oct-2009**Project Name:** SAS Superstructure**OSM Arrival Time:****Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:****Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:** Chen Yin Xin, Pen Guo.**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:** Tower Components**Summary of Items Observed:**

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

This QA Inspector carried out NDE on following

Bay 11, West Shaft, Lift 3, Skin E (Temporary Attachment Area near Corner Seam A/E).

This QA inspector performs Random Visual Testing (VT), Magnetic Particle Testing (MT) of approximately 15% area previously tested and accepted by ZPMC Quality Control personnel. This QA Inspector generated an MT report (TL-6028) for this date. The members are identified as WSTL3-4B/K-81A.

During Magnetic Particle Testing per ZPMC NDT Notification # 004442 at West Shaft, Lift 3, Skin E, Temporary Attachment Area near Corner Seam A/E-(INSIDE) this Caltrans Quality Assurance (QA) Inspector observed Linear indications adjacent to the inspection area Transverse to the Removed weld at the Temporary attachment Weld area. The indications were shown to ZPMC and ABF QC Inspectors. No Incident Report has been written on this issue. See attached picture for details.

Bay 10, East Tower, Struts Angles.

This QA inspector performs Random Ultrasonic Testing (UT) of approximately 10% area previously tested and accepted by ZPMC Quality Control personnel, FOR GREEN TAG. This QA Inspector generated an UT report (TL-6027) for this date. The members are identified as ED1-A5001-LOT-1A/B. (LOT: 1, 3 to 6, 9 to 29, 31, 32);

1) ED1-A5001-13-1A/B,

2) ED1-A5001-18-1A/B,

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# WELDING INSPECTION REPORT

( Continued Page 2 of 2 )

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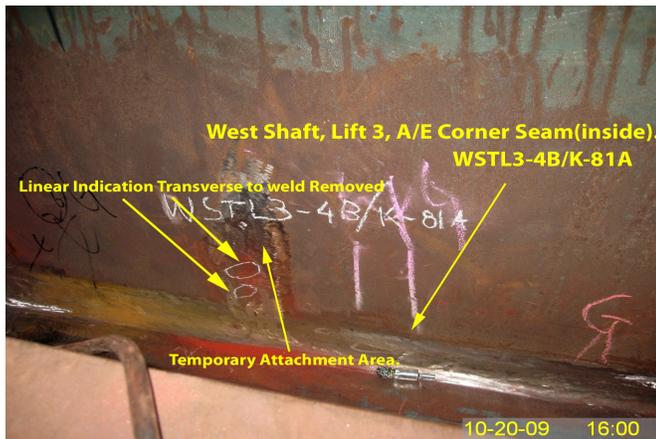
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3)ED1-A5001-32-1A/B.

Bay 10, East Tower, A27 Shear Plate.

This QA inspector performs Random Visual Testing (VT), Magnetic Particle Testing (MT) of approximately 15% area previously tested and accepted by ZPMC Quality Control personnel. This QA Inspector generated an MT report (TL-6028) for this date. The members are identified as ED1-A27B/E-91, 94, 95, 98, 99, 101, 103, 106, 107, 109, 112, 113, 115, 117, 119, 121, 123 TO 170.

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 Serge Sinevod, 13482570045, who represents the Office of Structural Materials for your project.

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