

**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-020089**Date Inspected:** 26-Jan-2011**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 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 Components**Summary of Items Observed:**

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

BAY#19

ABF QC NDT MT personnel performing Step1 and Step2 MT on SB108 East is in progress.

ABF QC NDT UT personnel performing UT of SB106 West is in progress.

ZPMC QC personnel performing Hardness testing of (R7) critical repair weld is progress of suspender bracket SB104West for Lift-11.

ZPMC personnel performing drilling of bottom bearing plate of SB104 west is in progress.

While performing UT of SB106 east and west it is observed and measured that Flatness of Edge plate is as follows.

SB106 West - 04mm ~ 06mm.

SB106 East - 04mm ~ 05mm.

Both SB's UT already completed by ABF and CT.

This is informed to ABF QA Mr.Peng wen jun.

This is observed and measured that cope holes of SB108 East and west is not appeared to comply with approved

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Drawing (Snipe corner 25mm).

SB108 East - 20mm to 45mm radius.

SB108 West- 25mm to 45mm radius.

The shape also varies one another. Please see the attached photos.

This is informed to ABF QA Mr.Peng wen jun.

This QA inspector performed MT 15% of weld areas 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 suspender bracket. The weld designations reviewed as follows  
SB022-104-017,018,019,020.

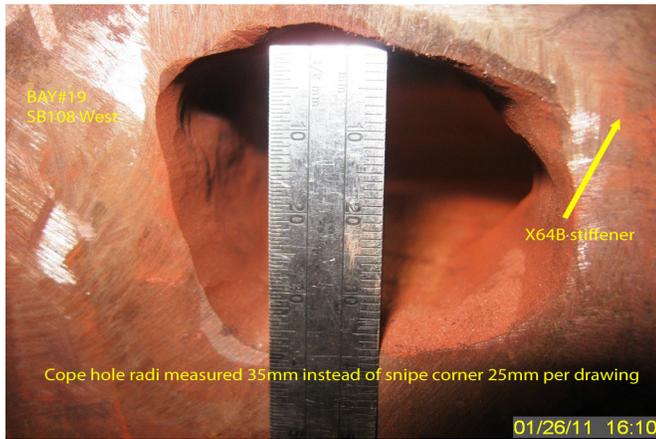
This QA inspector performed UT 10% of weld areas previously tested and accepted by ZPMC Quality Control personnel. This QA inspector generated an UT report for this date. The members are identified as OBG suspender bracket. The weld designations reviewed as follows.

SB024-108-001,014,022.

SB022-106-002,004,006,013,015,023,025,029,035,039,045.

SB023-106-002,004,006,013,015,023,025,029,035,039,045.

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



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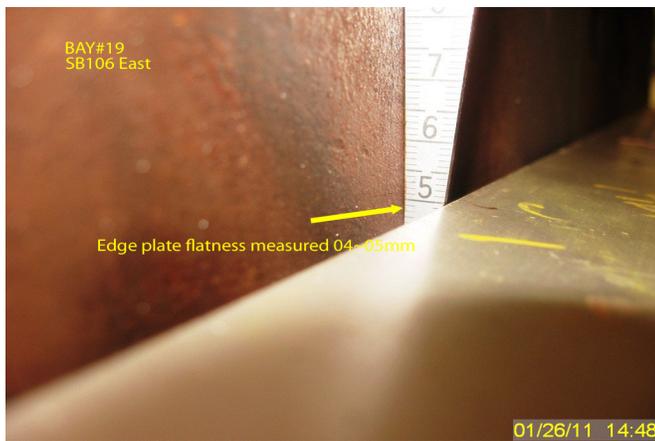
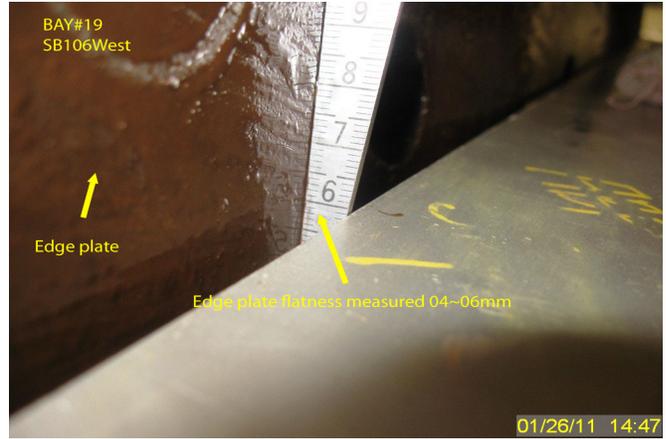
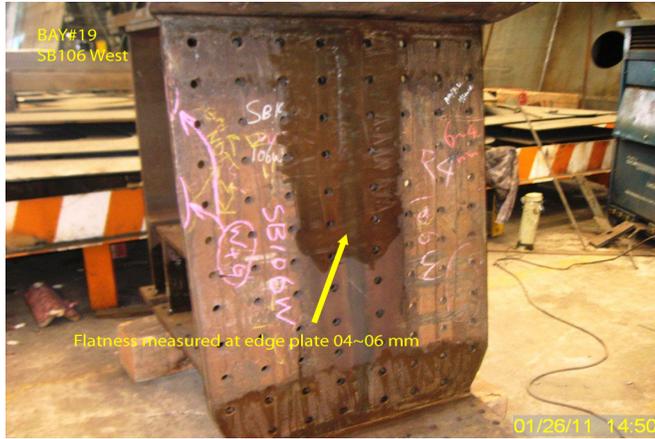
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## Summary of Conversations:

No relevant Conversation.

## 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-15--0042-2372, who represents the Office of Structural Materials for your project.

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**Inspected By:** Kumar, Chadra

Quality Assurance Inspector

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**Reviewed By:** Patel, Hiranch

QA Reviewer