

**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-021537**Date Inspected:** 06-Mar-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

SMAW welding of VT repair welding is in progress of Suspender bracket drain plate is identified as SBDP-P3-072,073. The welder is identified as 0259566. ZPMC QC is identified as Mr.Guo xing hui. The welding variables recorded by QC are appeared to comply with the WPS-B-P-2112.

ZPMC personnel performing grinding of Cable bracket fillet welds which is connecting centre plate to stiffener plate is identified as SA6031, SA 6530.

ZPMC personnel performing heat straightening of Cable bracket fillet welds which is connecting centre plate to stiffener plate is identified as SA6029, SA 6030 as per approved HSR1 (B)-10157.

ZPMC QC NDT MT personnel performing Magnetic particle testing of PJP and fillet welds of Suspender bracket drain plate is in progress.

ZPMC personnel performing Heat straightening of Bike path is identified as BK004B-001 bottom cover plate is in progress as per approved HSR1 (B)-9501.

ZPMC personnel performing Heat straightening of Bike path is identified as BK004A-013 bottom cover plate is in

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progress as per approved HSR1 (B)-9501.

ZPMC personnel received material for Bike path for Lift 1 is identified as BK23, BK24, and BK25 start to fabricate stringer plate is in progress as per approved drawings.

ZPMC QC NDT MT personnel performing magnetic particle of bike path bottom cover plate plug welds in progress of BK005A-002 during their MT they found Linear indications, this is informed to ZPMC QC Mr.Xu tao to make CWR before go for repair.

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



## 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