

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-024983**Date Inspected:** 05-Jun-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:	Lei/Wen/Shigang/Feng /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 1

This QA Inspector noted that there are 47 Bike Path Handrail components identified as intermediate BKR-NS-2 that are in various stages of final pick-up and will be ready for final VT soon.

This QA Inspector observed ZPMC personnel welding of components identified as Lift 13 & 14 lifting frame beam.

Bay 5

The following Traveler Rail components are in this bay waiting further processing: 3022TR1-001, 3020TR1-001, 3010TR1-002, 3025TR1-001, 3025TR1-002, 3025TR1-003, 3023TR1-002, 3023TR1-003, 3009TR1-001, 3023TR1-001, 3026TR1-001, and 3007TR2-001.

Bay 6

There are 32 miscellaneous components identified as GGL-MQ-1504-2-2 at the front of this bay, no work is being performed on these components at the time this QA Inspector identified these components.

This QA Inspector observed the following Cantilever Box Bracket Assembly components are in this bay waiting

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further processing: BK3003 and BK3004.

Bay 7

This QA Inspector observed the following Cantilever Box Bracket Assembly components are in this bay waiting further processing: BKSA15, BKSA14 and BKSA18.

Bay 8

This QA Inspector observed 38 U-Rib Backup components are in various stages of fabrication waiting further processing and inspection.

Bay 9

This QA Inspector observed 8 Bike Path Travel Rail components in various stages of fabrication waiting further processing and/or NDT.

This QA Inspector observed 15 Bike Path Handrail components identified as BKR-NS-2 in various stages of fabrication waiting further processing.

This QA Inspector noted that there are 5 Bike Path Handrail components identified as BKR-NS-3 that are in various stages of fabrication.

This QA Inspector noted that there are Bike Path components identified as BK3006, BK3007 and BK3008 that are in various stages of fabrication.

This QA Inspector observed 20 U-Rib Backup components are in various stages of fabrication waiting further processing and inspection.

In Process Inspection FCAW

This QA Inspector observed the following work in progress: FCAW welding of weld joint 002 located on GGL-MQ-2317-006. Welder is identified as 059378. ZPMC Quality Control (QC) is identified as Liu Fawen. The welding variables recorded by QC appeared to comply with the applicable WPS.

Bay 10

The following Bike Paths are in various stages of fabrication waiting further processing and inspection: BK009A-001 AND BK010A-001

Bay 11

In Process Inspection SMAW

This QA Inspector observed the following work in progress: SMAW welding of weld joint 170 located on BK011A4-001. Welder is identified as 044541. ZPMC Quality Control (QC) is identified as Xu Le Feng. The welding variables recorded by QC appeared to comply with the Applicable WPS.

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Visual Inspection

The following Non Destructive Testing (NDT) inspection carried out as per the ZPMC submitted Notification No 09367.

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:

BK011A5-001-014, 015, 034, 035, 054, 055, 074, 075, -24, 025, 044, 045, 064, 065, 084, 085, 110, 111, 113, 114, 116, 117, 119, 120, 123, 124, 126, 127, 129, 130, 132, 133

BK011A6-001-063, 070, 080, 078, 090, 088, 100, 098, 061, 065, 076, 082, 086, 092, 096, 102

BK011A8-001-063, 070, 080, 078, 090, 088, 100, 098, 061, 065, 076, 082, 086, 092, 096, 102

Magnetic Particle Inspection (MT)

The following Non Destructive Testing (NDT) inspection carried out as per the ZPMC submitted Notification No 09367.

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:

BK011A5-001-014, 015, 034, 035, 054, 055, 074, 075, -24, 025, 044, 045, 064, 065, 084, 085, 110, 111, 113, 114, 116, 117, 119, 120, 123, 124, 126, 127, 129, 130, 132, 133

BK011A6-001-063, 070, 080, 078, 090, 088, 100, 098, 061, 065, 076, 082, 086, 092, 096, 102

BK011A8-001-063, 070, 080, 078, 090, 088, 100, 098, 061, 065, 076, 082, 086, 092, 096, 102

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

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your project.

Inspected By:	Leavitt, Scott	Quality Assurance Inspector
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Reviewed By:	Clifford, William	QA Reviewer
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