

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 #: 1.28**WELDING INSPECTION REPORT****Resident Engineer:** Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-011752**Date Inspected:** 29-Jan-2010**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1100**Contractor:** American Bridge/Fluor Enterprises, a JV**Location:** Job Site

CWI Name:	Mike Johnson		
Inspected CWI report:	Yes	No	N/A
Electrode to specification:	Yes	No	N/A
Qualified Welders:	Yes	No	N/A
Approved Drawings:	Yes	No	N/A

CWI Present:	Yes	No	
Rod Oven in Use:	Yes	No	N/A
Weld Procedures Followed:	Yes	No	N/A
Verified Joint Fit-up:	Yes	No	N/A
Approved WPS:	Yes	No	N/A
Delayed / Cancelled:	Yes	No	N/A

Bridge No: 34-0006**Component:** Orthotropic Box Girder (OBG) Lift 1 East**Summary of Items Observed:**

Quality Assurance (QA) Inspectors, Bill Levell and Michael Foerder, were on site between the times noted above at the job site as part of the arrival inspection team to perform a general arrival inspection and review of lift 1 East. The following is a list of the items observed; see individual item numbers in the body of this report for further details.

1. Exterior Sea Fastening Support Locations.
2. Top Deck Plate Wood Support Frame.
3. Bottom Plate Wood Support Frame.
4. Transverse Tie Locations.
5. W OBG Connection Points.

The QA inspectors arrived on site at 0700 and met with ABF personnel, Caltrans Structure personnel, the Structure Material Representative and the QC inspection team for a brief general safety and orientation meeting prior to entering and accessing OBG Lift 1 East. It was relayed to the QA inspectors the barge will be rotated on Monday in order to access the South External Side of the OBG. The following areas and observations were reviewed and noted:

Item 1 Exterior Sea Fastening Support Locations.

- a. Support #2 – Minor Coating Damage.
- b. Support # 2A – Minor coating abrasions.
- c. Support #4 – No apparent issues observed.

WELDING INSPECTION REPORT

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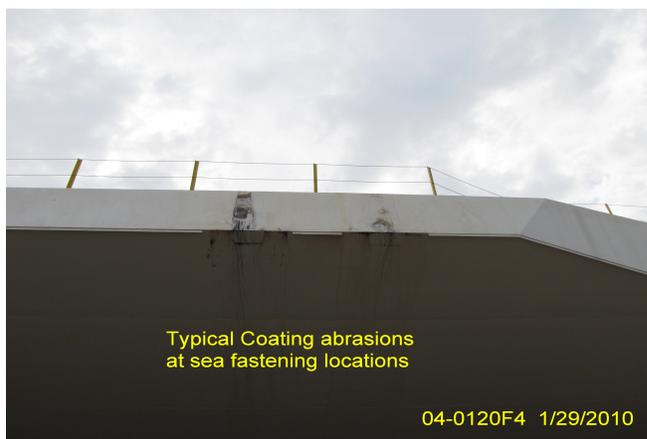
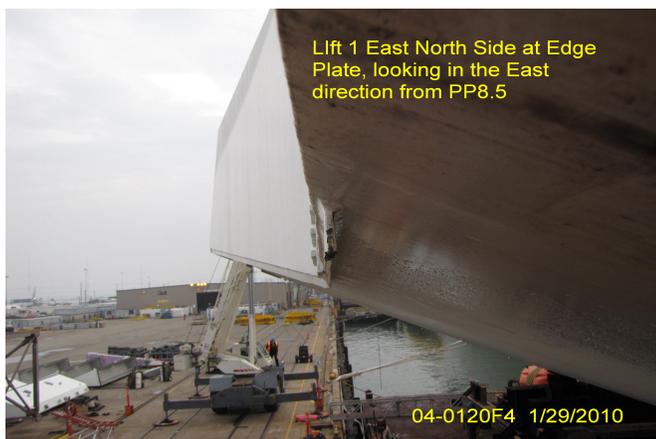
- d. Support # 5 – No apparent issues observed.
- e. Support #8 – Minor Coating Damage.

Item 2 Top Deck Plate Wood Support Frame - No apparent issues observed. It was noted the lifting block attachments will stay in place on the top deck plate until the OBG is erected in the field. The contact points of the attachments will need to be reviewed at these locations at a later date. No apparent issues were observed in the general area surrounding them at this time.

Item 3 Bottom Plate Wood Support Frame – No apparent issues observed. The contact points from the barge and the OBG currently have bearing pads in place with no apparent issues observed in the general area.

Item 4 Transverse Tie Locations – No apparent issues observed.

Item 5 W OBG connection point – No apparent issues observed.



Summary of Conversations:

The QA inspector spoke with ABF representative Jim Bowers in which Mr. Bowers relayed the barge will rotated and ready for review of the external South side of the OBG on Monday with a tentative plan to perform the arrival inspection for Lift 2E on Tuesday.

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 Mohammad Fatemi (916)813-3677, who represents the Office of Structural Materials for your project.

Inspected By: Foerder, Mike

Quality Assurance Inspector

Reviewed By: Levell, Bill

QA Reviewer