

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-017847**Date Inspected:** 05-Nov-2010**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:** Li Yang**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 Segment**Summary of Items Observed:**

On this date Caltrans OSM Quality Assurance (QA) Inspector Mr. M. Manikandan was present during the time noted above for observations relative to the work being performed.

ZPMC SHIP # 19 (10AE)

This QA Inspector along with Mr. Manoj Prabhune photographed and documented at various locations on OBG 10AE prior to the shipment of (Voyage 6) en-route to Yerba Buena Island, California, USA. The following locations are where the photographs were taken and the photographs are available for review upon request.

OBG 10AE (Panel Point 86.5 thru Panel point 88) the following sequential members were photographed and documented:

1. Truss post – Crossbeam side of segment 10AE – PP 86.5 and PP 87.5.
2. Corner Assembly – Crossbeam side of segment 10AE – PP 87 and PP 88.
3. Longitudinal Diaphragm - Crossbeam side of segment 10AE – PP 87 and PP 88.
4. Chevron Diagonal members (upper and lower) - Crossbeam side of segment 10AE – PP 87 and PP 88.
5. Sea fasteners- 10AE – PP 87 and PP 88.
6. Chevron Diagonal members (upper and lower) – Bike path side of segment 10AE – PP 87 and PP 88.
7. Longitudinal Diaphragm – Bike path side of segment 10AE – PP 87 and PP 88.
8. Corner Assembly – Bike path side of segment 10AE – PP 87 and PP 88.
9. Truss post – Bike path side of segment 10AE – PP 86.5 and PP 87.5.

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ZPMC SHIP # 19 (10BE)

This QA Inspector along with Mr. Manoj Prabhune photographed and documented at various locations on OBG 10BE prior to the shipment of (Voyage 6) en-route to Yerba Buena Island, California, USA. The following locations are where the photographs were taken and the photographs are available for review upon request.

OBG 10BE (Panel Point 88.5 thru Panel point 91) the following sequential members were photographed and documented:

1. Truss post – Crossbeam side of segment 10BE – PP 88.5, PP 89.5 and PP 90.5.
2. Corner Assembly – Crossbeam side of segment 10BE – PP 89 to PP 91.
3. Longitudinal Diaphragm - Crossbeam side of segment 10BE – PP 89 to PP 91.
4. Chevron Diagonal members (upper and lower) - Crossbeam side of segment 10BE – PP 89 to PP 91.
5. Sea fasteners- 10BE – PP 89 to PP 91.
6. Chevron Diagonal members (upper and lower) – Bike path side of segment 10BE – PP 89 to PP 91.
7. Longitudinal Diaphragm – Bike path side of segment 10BE – PP 89 to PP 91.
8. Corner Assembly – Bike path side of segment 10BE – PP 89 to PP 91.
9. Truss post – Bike path side of segment 10BE – PP 89 to PP 91.

ZPMC SHIP # 19 (10CE)

This QA Inspector along with Mr. Manoj Prabhune photographed and documented at various locations on OBG 10CE prior to the shipment of (Voyage 6) en-route to Yerba Buena Island, California, USA. The following locations are where the photographs were taken and the photographs are available for review upon request.

OBG 10CE (Panel Point 91.5 thru Panel point 94.5) the following sequential members were photographed and documented:

1. Truss post – Crossbeam side of segment 10CE – PP 91.5, PP 92.5, PP 93.5 and PP 94.5.
2. Corner Assembly – Crossbeam side of segment 10CE – PP 92 to PP 94.
3. Longitudinal Diaphragm - Crossbeam side of segment 10CE – PP 92 to PP 94.
4. Chevron Diagonal members (upper and lower) - Crossbeam side of segment 10CE – PP 92 to PP 94.
5. Sea fasteners- 10CE – PP 92 to PP 94.
6. Chevron Diagonal members (upper and lower) – Bike path side of segment 10CE – PP 92 to PP 94.
7. Longitudinal Diaphragm – Bike path side of segment 10CE – PP 92 to PP 94.
8. Corner Assembly – Bike path side of segment 10CE – PP 92 to PP 94.
9. Truss post – Bike path side of segment 10CE – PP 92 to PP 94.

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

Summary of Conversations:

No relevant conversations were reported on this date.

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 15000422372, who represents the Office of Structural Materials for

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your project.

Inspected By:	Manikandan,Murugan	Quality Assurance Inspector
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Reviewed By:	Peterson,Art	QA Reviewer
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