

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 #: 69.15**SOURCE INSPECTION REPORT****Resident Engineer:** Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** SIR-000064**Date Inspected:** 10-May-2007**Project Name:** SAS Superstructure**OSM Arrival Time:** 800**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1730**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**Quality Control Contact:** Fu Yu Hong**Quality Control Present:** Yes No**Material transfer:** Yes No N/A**Sampled Items:** Yes No N/A**Stock Transfer:** Yes No N/A**OK to Cut:** Yes No N/A**Rebar Test Witness:** Yes No N/A**Delayed/Cancelled:** Yes No N/A**Other:** N/A**Bridge No:** 34-0006**Component:** N/A**Bid Item:** 52**Lot No:** B71-024-07**Summary of Items Observed:**

The CALTRANS Quality Assurance (QA) Inspector, Alfredo Acuna was present on the ZPMC facility reviewing Material Testing Reports (MTRs) for chemical and mechanical properties, verifying mill markings and performing random dimensional and physical inspections to a total of 16 steel plates of A709 Gr50T-2 for the Caltrans Mock-ups. The material verified was listed as follows:

- 1 plate, 45 mm thick (thk) A709-50T-2: Heat Number (HT #) 7100194N
- 2 plates 60 mm thk A709-50T-2: HT # 7101180N
- 2 plates 60 mm thk A709-50T-2: HT # 7200828N
- 1 plate 70 mm thk A709-50T-2: HT # 6204740N
- 1 plate 75 mm thk A709-50T-2: HT # 06104430N
- 1 plate 70 mm thk A709-50T-2: HT # 06100604N
- 3 plates 70 mm thk A709-50T-2: HT # 6207377N
- 1 plate 70 mm thk A709-50T-2: HT # 6207376N
- 1 plate 70 mm thk A709-50T-2: HT # 6206197N
- 1 plate 75 mm thk A709-50T-2: HT # 6206259N
- 2 plates 75 mm thk A709-50T-2: HT # 6202620N

The QA inspector observed that plates received appeared to be in general compliance with contract documents.

The QA inspector had a conversation with the American Bridge Flour Enterprises (ABF) representative Jeff Evans.

Mr. Evans relayed to the QA inspector that the 90 mm thk plate A709-50T-2, HT # 06104356N listed on the Caltrans Mock-up plate list was ordered but it had not arrived to ZPMC yet.

The QA inspector to observe quality control functions related to welding, testing and fabrication of the mock-ups

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at the Zhenhua Port Machinery Company (ZPMC) facility on Changxing Island for the San Francisco Oakland Bay Self Anchored Suspension Bridge. The QA inspector observed approximately seventy (70) ZPMC shop personnel performing fabrication activities on elevation 77 meters (diaphragm 3B), elevation 89 meters (diaphragm 2C), elevation 114 meters (tower splice) at the ZPMC OBG workshop. The QA inspector observed thirteen (13) ZPMC shop personnel performing activities associated with the fabrication and qualification testing for the close rib at the Gantry welding machine. The QA inspector observed ZPMC, ABF, Inspectech and Bureau Veritas inspectors performing observations and inspections. The digital photo below shows the 16 steel plates received by the QA inspector.



Summary of Conversations:

As noted above.

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 Mazen Wahbeh, (818) 292-0659, who represents the Office of Structural Materials for your project.

Inspected By:	Acuna,Alfredo	Quality Assurance Inspector
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Reviewed By:	McClary,David	QA Reviewer
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