

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



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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-000117**Date Inspected:** 17-Sep-2007**Project Name:** SAS Superstructure**OSM Arrival Time:** 830**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1600**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai China**Quality Control Contact:****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:****Bridge No:** 34-0006**Component:** Test Samples**Bid Item:** 52 (F)**Lot No:** B59-132-07**Summary of Items Observed:**

The Caltrans (METS) Quality Assurance inspector Roscoe Dixon arrived at the Testing Center of the Shanghai Institute of Iron and Steel Technology (SIIST) to witness the testing of Charpy impact specimens and tensile tests specimens which had been cut from 12 Check sample plate material from samples at (ZPMC) representing type 16mm A709M-345F2-X and 18mm A709M-345 T2-X steel plate material.

The cutting of check samples were witnessed by Caltrans QA inspector B75 using Caltrans lot numbers B75-063-07 thru B75-075-07. The check samples were cut down to sizes to produce the test samples, and the sample pieces, which were then milled into tensile test specimens, impact test specimens.

During the testing of tensile samples there was a machine malfunction while testing the second test sample of number the 2 ID number 1677 2-2 test sample, the senior engineer of the mechanical testing laboratory Mr. Jian Jiang Yan Jun informed the QA inspector about the malfunction and asked if a resample could be allowed if material could be cut from the same check sample plate.

The QA inspector reviewed ASTM E 8 and confirmed that per section 7.14.7 a resample was allowed when testing equipment malfunctions. The QA inspector witnessed the saw cutting and transferring of sample ID number of the new sample which received the resample number of 1677 2-3.

The QA inspector witnessed the testing all tensile tests samples for the 12 (B75) check samples listed above and they appear to conform to the ASTM standards A709M and the special provisions of this contract. The QA inspector assign the lot number B59-132-07 to the samples.

The lab tested the Charpy impact test specimens at the wrong temperature and they will be re-sampled from the remaining check sample plate at the lab and tested as soon as possible at no extra charge.

Summary of Conversations:

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All relevant work related conversations are as noted within the report shown 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:	Dixon,Roscoe	Quality Assurance Inspector
Reviewed By:	Cochran,Jim	QA Reviewer
