

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-000116**Date Inspected:** 18-Sep-2007**Project Name:** SAS Superstructure**OSM Arrival Time:** 830**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1530**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai China**Quality Control Contact:** Mrs. Thong**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 Sample**Bid Item:** 52 (F)**Lot No:** N/A**Summary of Items Observed:**

The Caltrans (METS) Quality Assurance inspector Roscoe Dixon was accompanied by Caltrans Construction department personnel Gem Yeu Ma to the Chemical Analysis Testing Center of the Shanghai Institute of Iron and Steel Technology (SIIST) to witness the testing of Check sample specimens which had been packaged at the (SIIST) mechanical testing lab from 12 Check samples which had been sampled at (ZPMC) to represent type 16mm A709M-345F2-X and 18mm A709M-345 T2-X steel plate material. Mr. Ma accompanied QA Dixon for the purpose of translating.

The QA inspector Dixon had previously witnessed the saw cutting and transferring of sample ID numbers to the chemical analysis samples. The sample shavings were placed into individual packages, which were witnessed by the QA inspector prior to being sealed shipped to the chemical lab for the purpose of being tested.

The QA inspector and Mr. Ma met with director of the testing institute, Mrs. Tong to discuss the chemical analysis testing requirements and the test result reporting requirements for the project. Mrs. Thong informed the QA inspector that each of the 12 check samples would be tested for the chemical requirements (Heat Analysis) listed in ASTM A709 Table 3, with the exception that the carbon equivalent would be calculated per the requirements of the contract special provisions. Mrs. Thong also informed the QA inspector that some of the tests listed in table ASTM A709 Table 3 would be performed using the Chinese test method which had been reviewed by the Caltrans Sacramento lab director Rosemead Agular during the facility audit and found to be acceptable.

The QA inspector witnessed the testing of the individual material specimens for chemical and physical properties, all testing was completed on this date but the test results will be made available at a later date.

Summary of Conversations:

All relevant work related conversations are as noted within the report shown above.

SOURCE INSPECTION REPORT

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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
