

**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: 13.9/14.3,0.0/1.6File #: 69.15**SOURCE INSPECTION REPORT****Resident Engineer:** Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** SIR-000145**Date Inspected:** 01-Nov-2007**Project Name:** SAS Superstructure**OSM Arrival Time:** 1400**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 2300**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**Quality Control Contact:** Mrs. Wu Min/Mr. Jeff Evans**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:** Steel Plate**Bid Item:** 52 (SF)**Lot No:** B59-143-07 thru B59-145-07**Summary of Items Observed:**

Chapry V-Notch Impact (CVN) Tests:

This Caltrans Quality Assurance (QA) representative Roscoe Dixon arrived at Zhenhua Port steel fabrication welding shop of Shanghai, China to periodically monitor Quality Control (QC) functions. While on site this QA Inspector met with American Bridge/Fluor (ABF) QA Inspector Jeff Evans and Quality Control (QC) Mr. Sun Bo at the plate yard, where this QA inspector Dixon verified the transfer of traceability information such as of roll direction, heat numbers, grade of material and batch numbers were included on sample sections prior to them being flame cut and sent to the ZPMC testing lab and milled into CVN specimens.

The heat numbers listed on the documents provided to the QA inspector by (ABF) Inspector Mr. Jeff Evans prior to sample sections being cut and delivered to the ZPMC testing lab are as follows: WY07826Q029, NG070514G183, NG070514G138, NG070514G070, and NG070514G173.

The QA Area Lead Inspector David McClary informed this QA Inspector that the purpose of this CVN testing was necessary because the material with the five above listed heat numbers show high yield strengths and should be tested at a lower temperature but instead they were previously tested without the lower temperature being applied.

This QA Inspector Dixon visually verified and matched the material heat numbers, which had been stamped into the steel plates during the manufacturing process with the numbers listed on the accompanying Material Test Reports (MTR).

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## Material Test Reports:

This Quality Assurance (QA) Inspector Dixon received plate material list for batch # 30, plate list No. 2215~2243 received from American Bridge/Fluor (ABF).

This QA Inspector Dixon went to the ZPMC material storage yard accompanied by ZPMC Quality Control Mrs. Wu Min and Mr. Li Xiu Yang.

This QA Inspector Dixon observed a total of 10 out of 29 plates for batch # 30 on this date. The plates were observed for their general condition and markings, Plate material thicknesses range from 14mm to 28mm.

The plates were designated as A709M-345T2-X. Plate material list for batch # 30 was accompanied with Material Test Reports (MTR's). This QA Inspector Dixon assigned lot number B59-145-07 to the 29 plates inspected for traceability.

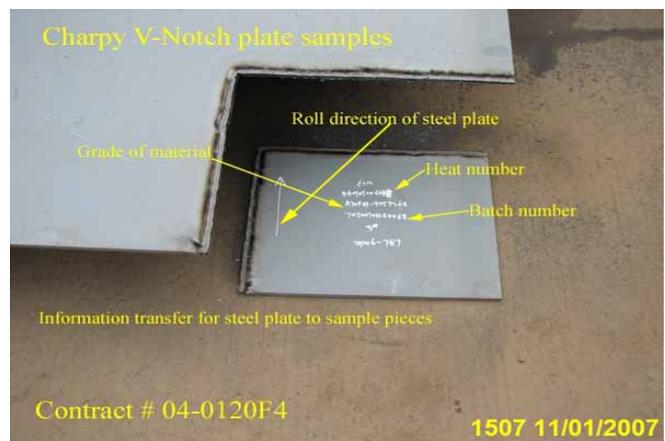
## Material Test Reports:

This Quality Assurance (QA) Inspector Dixon received plate material plate list from American Bridge/Fluor (ABF) which did not include a number referencing which Batch the material was from, but did include information such as the plate ID #'s heat #'s, length, width, thickness, grade designation, individual batch #'s and MTR #'s.

This QA Inspector Dixon went to the ZPMC material storage yard accompanied by ZPMC Quality Control Mrs. Wu Min and Mr. Li Xiu Yang and observed a total of two (2) out of the four (4) listed plates on this date.

The plates were observed for their general condition and markings. The plates were designated as A709M-345T2-X. The Plate material was accompanied with Material Test Reports (MTR's).

This QA Inspector Dixon assigned lot number B59-143-07 to the plate listed on the document provided by ABF as ID # 2159 heat # WY070216Q116 and B59-143-07 to the plated listed as ID # 2205 heat # WY070216Q290 for traceability purposes.



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**Summary of Conversations:**

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.

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<b>Inspected By:</b>	Dixon,Roscoe	Quality Assurance Inspector
<b>Reviewed By:</b>	Cochran,Jim	QA Reviewer

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