

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
690 Walnut Ave. St. 150
Vallejo, CA 94592-1133
(707) 649-5453
(707) 649-5493

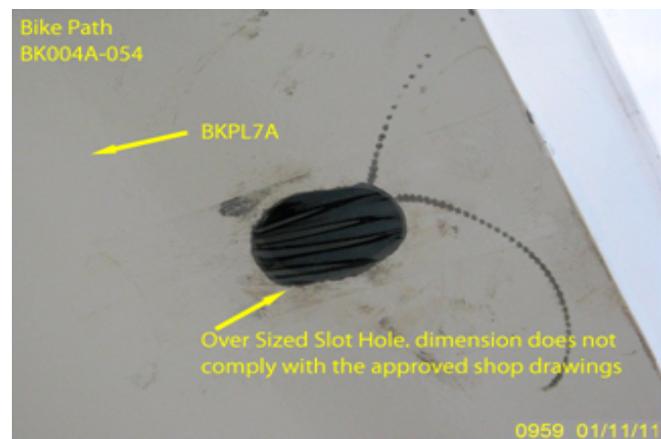
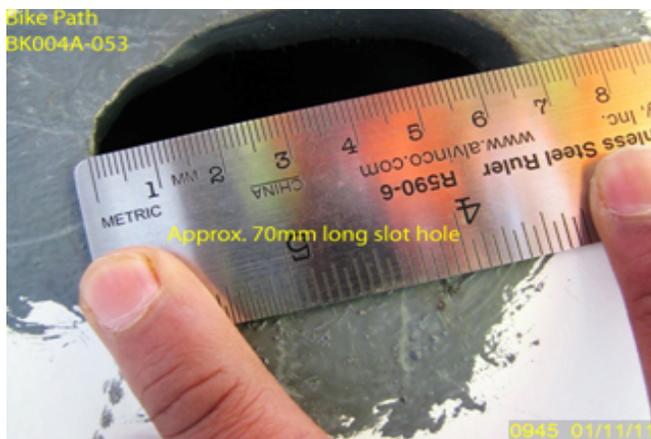
Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.25B**QUALITY ASSURANCE -- NON-CONFORMANCE REPORT****Location:** Changxing Island, Shanghai, P.R. China**Report No:** NCR-000966**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**Date:** 11-Jan-2011**Submitting Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island**NCR #:** ZPMC-0925**Type of problem:****Welding****Concrete****Other****Welding****Curing****Procedural****Bridge No:** 34-0006**Joint fit-up****Coating****Other****Component:** Bikepath BK4A and BK6A**Procedural****Procedural****Description:**

Reference Description: The dimension and location of the slotted holes were not built per the approved shop drawings on the Bikepath bearing plates

Description of Non-Conformance:

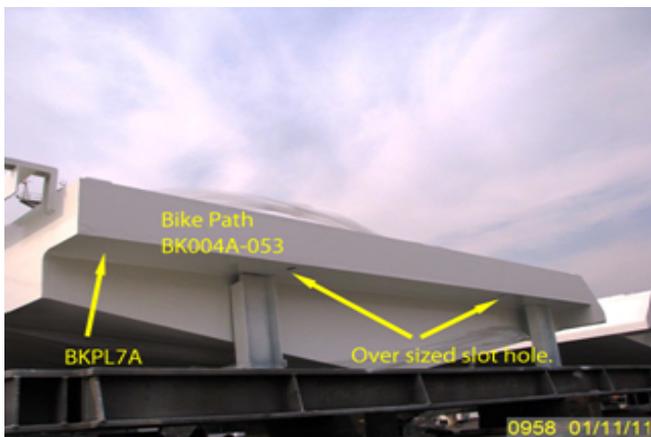
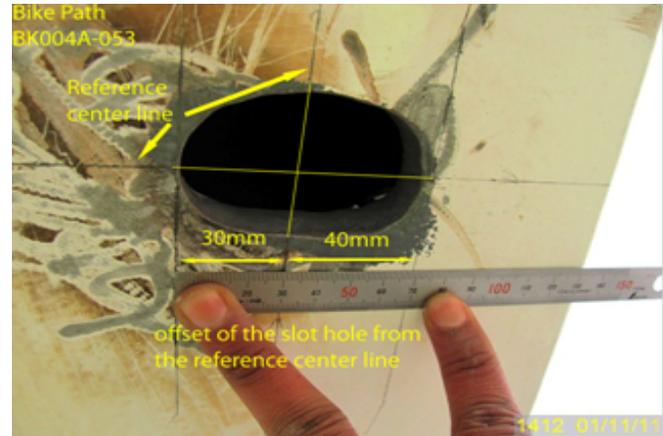
During Quality Assurance (QA) dimensional check of the bearing plate slotted holes on the Bikepath for final Green Tag Procedure, this QA inspector discovered the following issues:

- The measured slotted holes dimensions on the bearing plates (BKPL7A for BK4A and BKPL14A for BK6A) of the Bikepaths do not comply with the approved shop drawings.
- The affected Bikepath components are identified as: BK004A-001, BK004A-003, BK004A-004, BK004A-005, BK004A-008, BK004A-009, BK004A-010, BK004A-012, BK004A-017, BK004A-019, BK004A-020, BK004A-021, BK004A-026, BK004A-053, BK004A-054, BK004A-056, and BK006A-002.
- The slotted holes dimensions measured approx. 68~72 mm long and 40~45mm wide.
- Some slotted holes are offset from the correct locations (see the identified reference line in one of the pictures below)



QUALITY ASSURANCE -- NON-CONFORMANCE REPORT

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Applicable reference:

Approved Shop Drawing: BK4E, BK6E, BKPL7 and BKPL14.

AWS D1.5-02 Section 6.6.2 "The Contractor shall be responsible for visual inspection and NDT described in 6.7 and necessary correction of all deficiencies in materials and workmanship in conformance with the requirements of Clause 3 and 6.26 and as specified elsewhere in the contract documents."

Who discovered the problem: Hiranch Patel

Name of individual from Contractor notified: Ady Velasco

Time and method of notification: 11:00 hours, 01-11-11, Verbal

Name of Caltrans Engineer notified: Sean Eagen, Roman Granados

Time and method of notification: 13:00 hours, 01-11-11, Verbal

QC Inspector's Name: Wang Lu

Was QC Inspector aware of the problem: Yes No

Contractor's proposal to correct the problem:

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.

QUALITY ASSURANCE -- NON-CONFORMANCE REPORT

(Continued Page 3 of 3)

Inspected By:	Tsang, Eric	SMR
Reviewed By:	Wahbeh, Mazen	SMR



DEPARTMENT OF TRANSPORTATION - District 4 Toll Bridge
 666 Feng Bin Road Room 708, Changxing Island
 Shanghai 201913 PR China
 Tel: 021-56856666 ext 207061 Fax:

NON-CONFORMANCE REPORT TRANSMITTAL

To: AMERICAN BRIDGE/FLUOR, A JV
 375 BURMA ROAD
 OAKLAND CA 95607

Date: 12-Jan-2011

Contract No: 04-0120F4
 04-SF-80-13.2 / 13.9

Dear: Mr. Charles Kanapicki
Job Name: SAS Superstructure

Attention: Mr. Thomas Nilsson Project/Fabrication Manager
Document No: 05.03.06-000923

Subject: NCR No. ZPMC-0925

Reference Description: The dimension and location of the slotted holes were not built per the approved shop drawings on the Bikepath bearing plates

The attached Non-Conformance Report describes an occurrence where the contractor did not comply with a requirement of the contract document as indicated below:

- Material or Workmanship not in conformance with contract documents.
- Quality Control (QC) not performed in conformance with contract documents.
- Recurring QC issue that constitutes a systematic problem in quality control.
- Non-Conformance Resolved.

Material Location: Bike Path **Lift:**

Remarks:

- During Quality Assurance (QA) dimensional check of the bearing plate slotted holes on the Bikepath for final Green Tag Procedure, this QA inspector discovered the following issues:
- The measured slotted holes dimensions on the bearing plates (BKPL7A for BK4A and BKPL14A for BK6A) of the Bikepaths do not comply with the approved shop drawings.
 - The affected Bikepath components are identified as: BK004A-001, BK004A-003, BK004A-004, BK004A-005, BK004A-008, BK004A-009, BK004A-010, BK004A-012, BK004A-017, BK004A-019, BK004A-020, BK004A-021, BK004A-026, BK004A-053, BK004A-054, BK004A-056, and BK006A-002.
 - The slotted holes dimensions measured approx. 68~72 mm long and 40~45mm wide.
 - Some slotted holes are offset from the correct locations

Action Required and/or Action Taken:

Propose resolutions for the identified non-conformance items and document that the various deficiencies have been brought in compliance with contract requirements. Also propose a resolution that addresses the apparent failure of Quality Control to identify the non-conformance with the appropriate Welding Procedure Specification (WPS). Provide documentation of the steps taken by the Quality Control Manager to prevent future occurrences.

The response for the resolution of this issue is requested within 7 days.

Transmitted by: Sean Eagen Transportation Engineer

Attachments: ZPMC-0925

cc: Rick Morrow, Peter Siegenthaler, Stanley Ku, Brian Boal, Contract Files, Ching Chao, Bill Casey

NCT

(Continued Page 2 of 2)

File: 05.03.06

NCR PROPOSED RESOLUTION

To: CALTRANS - SAS Superstructure
333 Burma Road
Oakland CA 94607

Attention: Siegenthaler, Peter
Resident Engineer

Ref: 05.03.06-000923

Subject: NCR No. ZPMC-0925

Dated: 03-Feb-2011

Contract No.: 04-0120F4
04-SF-80-13.2 / 13.9

Job Name: SAS Superstructure

Document No.: ABF-NPR-000918 Rev: 00

Contractor's Proposed Resolution:

Reference Resolution:

Per TC RFI-0314R0, the oversized holes documented in this NCR are fit for purpose, based on this ZPMC requests closure of this NCR

Submitted by: Ishibashi, Joshua

Attachment(s): ABF-NPR-000918R00

Caltrans' comments:

Status: CLO

Date: 07-Feb-2011

This proposed resolution is acceptable. This issue has been addressed by TC RFI-0314R0 and the Department concurs that Non-Conformance ZPMC-0925 is closed.

Submitted by: Rizzardo, Gina

Attachment(s):

Date: 07-Feb-2011

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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: xx.25A**QUALITY ASSURANCE -- NON-CONFORMANCE RESOLUTION****Location:** Changxing Island, Shanghai, P.R. China**Report No:** NCS-000925**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**Date:** 07-Feb-2011**Submitting Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **NCR #:** ZPMC-0925**Type of problem:**

Welding	Concrete	Other	
Welding	Curing	Procedural	Bridge No: 34-0006
Joint fit-up	Coating	Other	Component:
Procedural	Procedural	Descriptor:	

Date the Non-Conformance Report was written: 11-Jan-2011**Description of Non-Conformance:**

During Quality Assurance (QA) dimensional check of the bearing plate slotted holes on the Bikepath for final Green Tag Procedure, this QA inspector discovered the following issues:

- The measured slotted holes dimensions on the bearing plates (BKPL7A for BK4A and BKPL14A for BK6A) of the Bikepaths do not comply with the approved shop drawings.
- The affected Bikepath components are identified as: BK004A-001, BK004A-003, BK004A-004, BK004A-005, BK004A-008, BK004A-009, BK004A-010, BK004A-012, BK004A-017, BK004A-019, BK004A-020, BK004A-021, BK004A-026, BK004A-053, BK004A-054, BK004A-056, and BK006A-002.
- The slotted holes dimensions measured approx. 68~72 mm long and 40~45mm wide.
- Some slotted holes are offset from the correct locations (see the identified reference line in one of the pictures below)

Contractor's proposal to correct the problem:

Contractor will submit a TC-RFI to the Department to accept the as built holes as Fit-for-Purpose.

Corrective action taken:

Contractor submitted TC-RFI 314R0. The Department accepted the as built over-sized holes as Fit-for-Purpose.

Did corrective action require Engineer's approval? Yes No

If so, name of Engineer providing approval: **Date:**

Is Engineer's approval attached? Yes No

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

QUALITY ASSURANCE -- NON-CONFORMANCE RESOLUTION

(Continued Page 2 of 2)

Inspected By: Ng,Michael

Quality Assurance Inspector

Reviewed By: Wahbeh,Mazen

QA Reviewer