

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 #: 11.25B**QUALITY ASSURANCE -- NON-CONFORMANCE REPORT**

Location: Goodwin Steel Castings, Ltd., Hanley, Stoke-on-Trent, United Kingdom **Report No:** NCR-000004
Prime Contractor: American Bridge/Fluor Enterprises, a JV **Date:** 01-Aug-2007
Submitting Contractor: Goodwin Steel, UK **NCR #:** GSC-0001

Type of problem:

Welding	Concrete	Other	
Welding	Curing	Procedural	Bridge No: 34-0006
Joint fit-up	Coating	Other	Component: Steel Cable Band Castings
Procedural	Procedural	Descriptor:	Castings Poured Without Approved Shop Drawings

Description of Non-Conformance:

Goodwin cast the two halves of the steel B4 cable band without approved shop drawings. Goodwin management was apprised of potential issues with the drawings by Mr. Karsten Balzer of ABF via email and by METS in person. Goodwin appeared to agree that the Front View detail in their casting drawing (5540-013 and 5540-014) showed a radius of 45mm instead of the required radius of 75mm per design drawing 760.

Applicable reference:

Special Provisions, Section 10-1.60, Cable Systems, General, "Working Drawings": "The Contractor shall submit working drawings...to the Engineer for approval."

Who discovered the problem: Venkatesh Iyer, SMR

Name of individual from Contractor notified: Steve Birks, General Manager

Time and method of notification: Verbal, 8/1/2007

Name of Caltrans Engineer notified: Warren Collins

Time and method of notification: Email, 10:21 PDT, 8/1/2007

QC Inspector's Name: Ian Morris and Jason Cross

Was QC Inspector aware of the problem: Yes No

Contractor's proposal to correct the problem:

Goodwin will explore various options for Caltrans to consider the casting as a production unit.

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 Venkatesh Iyer, 858.967.6363, vsiyer@mactec.com, who represents the Office of Structural Materials for your project.

Inspected By: Petrina, Markian Quality Assurance Inspector

Reviewed By: Iyer, Venkatesh QA Reviewer

DEPARTMENT OF TRANSPORTATION

333 Burma Road
Oakland CA 94607
Tel: 510-622-5661 Fax:

NON-CONFORMANCE REPORT TRANSMITTAL

To: American Bridge/Fluor Enterprises, a JV
375 Burma Road
Oakland CA 94607
Date: 20-Dec-2007
Contract No: 04-0120F4
04-SF-80-13.2 / 13.9
Attention: Michael Flowers Project Executive
Job Name: SAS Superstructure
Subject: NCR No. GSC-0001
Document No: 05.03.06-000002

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

- Non-Conformance with quality control procedures. Please take appropriate corrective action. Recurrence may require further administrative action.
- Non-Conformance with quality control. Records indicate that this is a recurring issue and constitutes a systematic problem in quality control. Within fourteen (14) days, please submit a plan to correct the deficiency.
- Material or workmanship is not in compliance with contract requirements.

Enclosed please find the following item:

NCR No. GSC-0001

Remarks:

Please see attached Non-Conformance Report , NCR# GSC-0001

Note: The non-conforming dimension/radius at the Suspender Groove/Saddle was resolved in ABF-RFI-000862R01

Transmitted By: Warren Collins Assistant Structural Rep

cc: Rick Morrow, Brian Boal, Venkatesh Iyer

File: 05.03.06, 55.0212

NCR PROPOSED RESOLUTION

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

Attention: Pursell, Gary
Resident Engineer

Ref: 05.03.06-000002

Subject: Goodwin NCR - GSC-001 - B4 Cable Band

Dated: 30-Jul-2008

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

Job Name: SAS Superstructure

Document No.: ABF-NPR-000047 **Rev:** 00

Contractor's Proposed Resolution:

Reference Resolution: This NCR was resolved with ABF-RFI-000862R01

We request that this NCR be closed as the non-conforming dimension/radius at the Suspender Groove/Saddle was resolved in ABF-RFI-000862R01 (attached)

Submitted by: Kanapicki, Charles
Attachment(s): ABF-NPR-000047R00;

Caltrans' comments:

Status: CLO
Date: 13-Oct-2008

The response to ABF-RFI-000862R01 resolves this NCR.

It is noted that the referenced B4 Cable Band will not be incorporated into the permanent work per CCO #60

Submitted by: Collins, Warren
Attachment(s):

Date: 16-Oct-2008

REQUEST FOR INFORMATION (RFI)

RFI No.: ABF-RFI-000862R01 Submitted By: Mackey, Kim Pages: 3
 RFI Date: 28-August-2007 Contact Name: Baltzer, Karsten Phone No. 510-808-4598
 Pages Attached: 2

Subject: B4 Cable Band	
References:	
Sub/Sup: ABF	Sub RFI #:
Response Required by: 04-September-2007	Response affects critical path activity? No

Description:

As discussed in the Team Cable Meetings:

ABF proposal to use the 45mm radius as indicated in the RFI attachment for the Cable Band poured on August 1st Only. All other Cable Band will have the 75mm radius.

ABF are asking Caltrans to approve the 45mm radius, on the above mentioned Cable Band, if the Cable Band was to be incorporated into the permanent work.

Please review and approve.

Contractor Disposition:

This RFI is being submitted for

The Cost and Time Impact from this RFI is: Not selected

Response:

Agreed Ext. Due Date:

Pages: 1
 Pages Attached: 0

IF the Cable Band is incorporated into the permanent work, the 45mm radius is acceptable.

Administrative Action:

The proposal is acceptable and may be exercised at the contractor's option. This response resolves the RFI. No further action required.

Date: 31-August-2007	Respondent: Rizzardo, Gina	Phone No.: 510-286-0539
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: xx.25A**QUALITY ASSURANCE -- NON-CONFORMANCE RESOLUTION****Location:** Goodwin Steel Castings, Ltd., Hanley, Stoke-on-Trent, United Kingdom **Report No:** NCS-000129**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**Date:** 18-Jan-2008**Submitting Contractor:** Goodwin Steel, UK**NCR #:** GSC-0001**Type of problem:**

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

Date the Non-Conformance Report was written: 01-Aug-2007**Description of Non-Conformance:**

Goodwin cast the two halves of the steel B4 cable band without approved shop drawings. Goodwin management was apprised of potential issues with the drawings by Mr. Karsten Balzer of ABF via email and by METS in person. Goodwin appeared to agree that the Front View detail in their casting drawing (5540-013 and 5540-014) showed a radius of 45mm instead of the required radius of 75mm per design drawing 760.

Contractor's proposal to correct the problem:

Goodwin will explore various options for Caltrans to consider the casting as a production unit.

Corrective action taken:

The cable band is not acceptable for permanent installation; however, Design has approved this casting for the Cable Band Friction Test (CBFT). Following the CBFT, the Department will purchase the nonconforming cable band for static display.

Did corrective action require Engineer's approval? Yes No**If so, name of Engineer providing approval:** Brian Boal**Date:** 18-Jan-2008**Is Engineer's approval attached?** Yes No**Comments:**

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Inspected By: Petrina, Markian

Quality Assurance Inspector

Reviewed By: Iyer, Venkatesh

QA Reviewer