

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 #: 76.25B**QUALITY ASSURANCE -- NON-CONFORMANCE REPORT****Location:** Painesville, Ohio**Report No:** NCR-001105**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**Date:** 01-Oct-2012**Submitting Contractor:** Dyson Corp. & Subs**NCR #:** DYSN-0006**Type of problem:**

Welding	Concrete	Other	
Welding	Curing	Procedural	Bridge No: 34-0006
Joint fit-up	Coating	Other	Component: B14 Cable Bands
Procedural	Procedural	Description: Anchor Rods fabrication	

Reference Description: B14 Cable Band Anchor Rods**Description of Non-Conformance:**

Two B14 Cable Band Anchor Rods were not fabricated in accordance with the approved shop drawings. Per drawing X453-01, two Anchor Rods at the E line, PP116, should have total length of 3136mm. Dyson fabricated these rods to a length of 3286mm, which does not conform to the approved shop drawings.

Applicable reference:

Shop Drawing X453-01

Who discovered the problem: QA Inspector - Kent Smith**Name of individual from Contractor notified:** Bob Kick**Time and method of notification:** Verbal**Name of Caltrans Engineer notified:** Warren Collins**Time and method of notification:** 10.1.12 - Verbal**QC Inspector's Name:** Russell Welsh**Was QC Inspector aware of the problem:** Yes No**Contractor's proposal to correct the problem:**

Ship the components to the job site, and cut the length to the required dimensions. Perform coating repairs per the standard specifications.

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 Patrick Lowry, 916-227-5719, who represents the Office of Structural Materials for your project.

Inspected By: Kourakis, Yiannis

SMR

Reviewed By: Dagher, Bahjat

QA Inspector



DEPARTMENT OF TRANSPORTATION

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

NON-CONFORMANCE REPORT TRANSMITTAL

To: AMERICAN BRIDGE/FLUOR, A JV
375 BURMA ROAD
OAKLAND CA 95607
Date: 02-Oct-2012
Contract No: 04-0120F4
04-SF-80-13.2 / 13.9
Dear: Mr. Charles Kanapicki
Job Name: SAS Superstructure
Attention: Mr. Adam Roebuck
Document No: 05.03.06-001048
Subject: NCR No. DYSN-0006
Reference Description: B14 Cable Band Anchor Rods

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.

Remarks:

Material Location: Cable **Lift:** N/A

Fabrication of the ASTM A354 BD anchor rods for the B14 Cable Bands at Panel Point 116 are not manufactured in accordance with approved shop drawing X453-01 provided in Submittal ABF-SUB-002708R00.

See NCR #DYSN-0006 for further details.

Action Required and/or Action Taken:

Provide anchor rods complying with the approved shop drawing. Any proposed mitigation measures to be performed to bring the anchor rods into compliance must be reviewed and approved prior to the work being undertaken.

Transmitted By: Warren Collins Assistant Structural Rep

Attachments: DYSN-0006

cc: Brian Boal, Robert Kick, Bahjat Dagher

File: 05.03.06, 55.2708

NCR PROPOSED RESOLUTION

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

Attention: Casey, William
Resident Engineer

Ref: 05.03.06-001048

Subject: NCR No. DYSN-0006

Dated: 23-Oct-2012

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

Job Name: SAS Superstructure

Document No.: ABF-NPR-001052 **Rev:** 00

Contractor's Proposed Resolution:

Reference Resolution: Cut the rods to the appropriate length using a band saw and apply 2 coats of the Wasser MC100 to the cut end.

ABF will:

1. Cut the rods to the appropriate length using a band saw .
2. Apply 2 coats of the Wasser MC100 to the cut end.

Submitted by: Kanapicki, Charles

Attachment(s): ABF-NPR-001052R00

Caltrans' comments:

Status: CLO

Date: 06-Nov-2012

The proposed resolution is accepted with the following qualifications:

1. Provide a 2mm x 45° chamfer at the cut ends after the anchor rod has been reduced to the length detailed in the approved shop drawing provided in Submittal – ABF-SUB-002708R00.
2. Prepare the surface in accordance with the manufacturer's recommendations before applying the two coats of Wasser MC-Zinc 100 organic zinc-rich primer. Apply each coat of the primer to a Dry Film Thickness (DFT) of between 75-125µm (3-5mils) in compliance with the minimum re-coat requirements given in the manufacturer's data sheet. Allow the paint to fully cure before installing the rods.

Submitted by: Collins, Warren

Date: 06-Nov-2012

Attachment(s):

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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: xx.25A**QUALITY ASSURANCE -- NON-CONFORMANCE RESOLUTION****Location:** Painesville, Ohio**Report No:** NCS-000982**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**Date:** 21-Nov-2012**Submitting Contractor:** Dyson Corp. & Subs**NCR #:** DYSN-0006**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-Oct-2012**Description of Non-Conformance:**

Two B14 Cable Band Anchor Rods were not fabricated in accordance with the approved shop drawings. Per drawing X453-01, two Anchor Rods at the E line, PP116, should have total length of 3136mm. Dyson fabricated these rods to a length of 3286mm, which does not conform to the approved shop drawings.

Contractor's proposal to correct the problem:

Ship the components to the job site, and cut the length to the required dimensions. Perform coating repairs per the standard specifications.

Corrective action taken:

On 11/20/12 and 11/21/12 METS witnessed the cutting of the two B14 cable band anchor rods. CCC performed paint repairs on the ends of the rods after cutting. Reference SIR-004727 and SIR-004709.

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:**

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Inspected By: Kourakis, Yiannis

Quality Assurance Inspector

Reviewed By: Dagher, Bahjat

QA Reviewer