

**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 #: 04-0120F4  
 Cty: SF/ALA Rte: 80 PM: 13.2/13.9  
 File #: 83.25B

## QUALITY ASSURANCE -- NON-CONFORMANCE REPORT

**Location:** Job Site

**Report No:** NCR-001116

**Prime Contractor:** American Bridge/Fluor Enterprises, a JV

**Date:** 22-Feb-2013

**Submitting Contractor:** Certified Coating Company

**NCR #:** CCC-0007

### Type of problem:

<b>Welding</b>	<b>Concrete</b>	<b>Other</b>	
<b>Welding</b>	<b>Curing</b>	<b>Procedural</b>	<b>Bridge No:</b> 34-0006
<b>Joint fit-up</b>	<b>Coating</b>	<b>Other</b>	<b>Component:</b> Suspender Rope Zinc Buttons
<b>Procedural</b>	<b>Procedural</b>	<b>Description:</b> PPW10 & PPW12 Suspender Rope Zinc Buttons	

**Reference Description:** PPW10 & PPW12 Suspender Rope Zinc Buttons

### Description of Non-Conformance:

The Contractor has applied Gravel Gray Noxide and DTM 3700 prior to applying the Pegalink primer and the Blue Gray Noxide on the Zinc Buttons.



### Applicable reference:

Applicable reference: 10-1.71 Clean and Paint Cable System , Materials:

“The cable paint system shall consist of a primer, a two intermediate coat Noxyde Plus paint system, or equal, and a finish coat. The two intermediate coats shall be 100 percent Noxyde Plus.”

**Who discovered the problem:** QA Inspector Joseph G. Ullrich

**Name of individual from Contractor notified:** Fred Hogan

**Time and method of notification:** 0900, verbal

**Name of Caltrans Engineer notified:** Bahjat Dagher

**Time and method of notification:** 1800, verbal

**QC Inspector's Name:** Fred Hogan

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## QUALITY ASSURANCE -- NON-CONFORMANCE REPORT

( Continued Page 2 of 2 )

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**Was QC Inspector aware of the problem:**                      **Yes**    **No**

**Contractor's proposal to correct the problem:**

Contractor to provide resolution.

**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 Bahjat Dagher, who represents the Office of Structural Materials for your project.

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<b>Inspected By:</b>	Ullrich, Joseph	Inspector
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<b>Reviewed By:</b>	Stewart, Charlie	QA Insepctor
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**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:** 25-Feb-2013  
**Contract No:** 04-0120F4  
04-SF-80-13.2 / 13.9  
**Dear:** Mr. Charles Kanapicki  
**Job Name:** SAS Superstructure  
**Attention:** Mr. Scott Yeager  
**Document No:** 05.03.06-001053  
**Subject:** NCR No. CCC-0007  
**Reference Description:** PPW10 & PPW12 Suspender Rope Zinc Buttons

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

Zinc Buttons on Suspenders have been Finish Painted at WPP10 and WPP12 without all of the previous coats having been applied – See NCR #CCC-0007.

In addition and further to the NCR being generated, further locations have also been found at WPP14, WPP18 and WPP20 to have been finish coated without application of the previous coats.

**Action Required and/or Action Taken:**

Inspect all painted Zinc Button locations in the presence of the Engineer to determine whether all coats of paint have been applied as required by the Contract Documents. At all non-complying locations, remove the paint and then re-apply the full coating system as required by the Contract.

In addition, provide details on the following in the NPR:

- 1) An explanation of the QC failures.
- 2) Procedures to prevent a repeat of this issue.

**Transmitted By:** Warren Collins Assistant Structural Rep

**Attachments:** CCC-0007

**cc:** Brian Boal, Saman Soheilifard, Bahjat Dagher

**File:** 05.03.06

## NCR PROPOSED RESOLUTION

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

**Attention:** Casey, William  
Resident Engineer

**Ref:** 05.03.06-001053

**Subject:** NCR No. CCC-0007

**Dated:** 13-May-2013

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

**Job Name:** SAS Superstructure

**Document No.:** ABF-NPR-001056 **Rev:** 00

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**Contractor's Proposed Resolution:**

**Reference Resolution:**

See attached response from Certified Coatings Company.

**Submitted by:** Yeager, Scott

**Attachment(s):** ABF-NPR-001056R00;

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**Caltrans' comments:**

**Status:** CLO

**Date:** 09-Jul-2013

Separate and apart from performing the repairs at non-compliant locations, NCR #CCC-0007, dated 25-Feb-13 required the Contractor provide an explanation of the QC failures and procedures to prevent a reoccurrence of the issue.

As the repairs at non-conforming locations have been satisfactorily performed and all Cable System painting completed without a repeat of this issue, the required explanations are no longer needed and the NCR is therefore Resolved.

**Submitted by:** Collins, Warren

**Date:** 09-Jul-2013

**Attachment(s):**

CERTIFIED COATINGS

2320 Cordilia Road  
Fairfield, California 94534

LETTER OF TRANSMITTAL

RECEIVED

707-639-4414  
Fax 707-432-0574

MAY 08 2013

AMERICAN BRIDGE/FLUOR

To: American Bridge/Fluor  
375 Burma Road  
Oakland, Ca. 94067

Date:	5/6/2013	Job No. 551260
Attention:	Mr. Bob Kick	
Reference:	SFOBB	
	Self Anchored Suspension Span	
	Contract No. 04-0120F4	

WE ARE SENDING YOU  Attached  Samples  Under separate cover via \_\_\_\_\_ the following items:  
 Drawings  Plans  Copy of Letter  Other \_\_\_\_\_

COPIES	DATE	NO.	DESCRIPTION
1	5/6/2013	0Q00450	Response to NCR-007.

THESE ARE TRANSMITTED as checked below:

For Approval  For your use  As Requested  For review and comment

REMARKS \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
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COPY TO: File

SIGNED: *Jano Bk*

**Certified Coatings Company**  
Member of the Muehlhan Group



May 6, 2013

CCC-ABF-LTR-000267

American Bridge Company/Fluor Enterprises Inc.,  
A joint Venture  
375 Burma Road  
Oakland, CA 94607

Attention: Bob Kick

Regarding: Non-Conformance Report CCC-0007, Letter ABF-CCC-LTR-000376

Mr. Kick,

Non-Conformance Report CCC-0007, Letter ABF-CCC-LTR-000376 states that finish coat was applied directly to the zinc buttons at PP10, 12, 14, 18 and 20 on the W -line. Upon investigation it was found that only the bottoms of the buttons had finish coat directly over the zinc without the primer and intermediate coats. Caltrans inspectors tore the full paint system off of the sides and tops of the buttons trying to determine the extent of the initial problem. As we cleaned and prepared the suspender rope tie-ins between the main cable and the upper suspenders, paint was removed from the buttons and the full system applied when the tie-ins were painted. The issue has been corrected.

Sincerely,

James Brockman  
Project Manager

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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: xx.25A**QUALITY ASSURANCE -- NON-CONFORMANCE RESOLUTION****Location:** Job Site**Report No:** NCS-000985**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**Date:** 20-Jun-2013**Submitting Contractor:** Certified Coating Company**NCR #:** CCC-0007**Type of problem:**

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

**Date the Non-Conformance Report was written:** 22-Feb-2013**Description of Non-Conformance:**

The Contractor has applied Gravel Gray Noxide and DTM 3700 prior to applying the Pegalink primer and the Blue Gray Noxide on the Zinc Buttons.

**Contractor's proposal to correct the problem:**

Contractor to provide resolution.

**Corrective action taken:**

The Contractor removed the coating from the Zinc Buttons and reapplied the coating system in the proper sequence.

**Did corrective action require Engineer's approval?** Yes No**If so, name of Engineer providing approval:** Mahmoud Khandaghabadi**Date:** 20-Jun-2013**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 Gary Thomas (916) 764-6027, who represents the Office of Structural Materials for your project.

**Inspected By:** Stewart, Charlie

Quality Assurance Inspector

**Reviewed By:** Reyes, Danny

QA Reviewer