

DRAFT

AS Project NCR List Related to Dyson (PMIV)

CR Rpt Num	NCR Num	NCR Date	NCR Ref Des	Summary of NCR	Material Location	NCT Num	NCT Date	NPR Num	NPR Date	NPR Ref Des	CT Resp Date	Status	TL16 No	TL16 Date
CR-000124	DYSN-0001	21-Apr-08	Contract Plans, Caltrans Standard Specifications (July 1999), ASTM	The Dyson QCM allowed a Certificate of Compliance (COC) for a nonexistent specification: ASTM A 449, M16 (16 mm diameter), where no Metric specifications exist for A 449. Contract Plans (CP) Sheet 963 called for a 16 mm diameter A 449 bolt; per CP "Gene									NCS-000101	25-Apr-08
ICR-000161	DYSN-0002	11-Jul-08	A 354 Grade BD material fabricated to nonexistent Metric standard	ABF requested Dyson to ship bolts without proper tagging procedures.	Bike Path	05.03.06-000134	21-Jul-08	ABF-NPR-000044R00	28-Jul-08	Revised COC to support "fit for purpose" for M30 by 420, 435 & 460 Bike Path anchor bolts	30-Jul-08	Closed	NCS-000061	30-Jul-08
ICR-000162	DYSN-0003	11-Jul-08	Nonconforming A 563M nuts submitted by Dyson QC	The nut threads are excessively thick and do not pass the "Go" gauge.	Bike Path	05.03.06-000135	21-Jul-08	ABF-NPR-000045R00	28-Jul-08	Response to RFI 1443RO to supports "fit for purpose" use of A563M nuts if they freely thread on Bike Path anchor bolts	30-Jul-08	Closed	NCS-000060	
ICR-000198	DYSN-0004	05-Sep-08	ABF shipped E2 Shear Key Anchor Rod Assemblies without QA testing or release due to time constraints from late ordering	ABF procured ASTM A 354 BD anchor rod assemblies too late to allow normal release procedures. A 354 BD anchor rods and A 563 hex nuts for the E2 Shear Key were shipped to the jobsite without QA testing results or METS release. Components fabrication com	E2 Shear Key	05.03.06-000169	22-Sep-08	ABF-NPR-000167R00	07-Oct-08	Project approvals required expedited fabrication and delivery. Complete CoC packages have been transmitted to the Department.	15-Oct-08	Closed	NCS-000103	08-Oct-08
ICR-000199	DYSN-0005	16-Sep-08	E2 Shear Key A 354 BD Bearing Anchor Rods, A 563 DH Nuts	Trans Lab QA testing determined that for the third time since November, 2007, Dyson Corporation has provided nonconforming material: 1) Anchor rods: 2 of 7 heats did not meet ASTM A 354 Grade BD elongation requirements, 14% in 2 inches; Heat Treatment L	E2 Shear Key	05.03.06-000170	23-Sep-08	ABF-NPR-000169R00	15-Oct-08	ABFJV requests that rods and nuts in question be accepted "as-is."	16-Oct-08	Closed	NCS-000104	15-Oct-08
ICR-001105	DYSN-0006	01-Oct-12	B14 Cable Band Anchor Rods	Fabrication not in accordance with the approved shop drawings.	Cable Band	05.03.06-001048	02-Oct-12	ABF-NPR-001052R00	23-Oct-12	Cut the rods to the appropriate length using a band saw and apply 2 coats of the Wasser MC100 to the cut end.	06-Nov-12	Closed	NCS-000982	21-Nov-12
ICR-001123	DYSN-0007	02-Oct-12	Threaded Studs	The Contractor proceeded fabrication without the approved working drawings for the following items: (34) 3" - 4UNC-2ax53" long threaded full length studs (228) 2"-4.5UNC-2ax43.5" long threaded full length studs (480) 2" Heavy Hex Nuts (240) 2"									NCS-000981	05-Oct-12

DEPARTMENT OF TRANSPORTATION
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Bay Area Branch
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Contract #: 04-0120F4

Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 76.25B

QUALITY ASSURANCE -- NON-CONFORMANCE REPORT

Location: Painesville, OH

Report No: NCR-000124

Prime Contractor: American Bridge/Fluor Enterprises, a JV

Date: 21-Apr-2008

Submitting Contractor: Dyson Corp. & Subs

NCR #: DYSN-0001

Type of problem:

Welding Concrete Other Welding Curing Procedural Bridge No: 34-0006Joint fit-up Coating Other Component: Dehumidification Platform Headed Anchor BoltsProcedural Procedural Description: Certificate of Compliance for nonexistent standard

Reference Description: Contract Plans, Caltrans Standard Specifications (July 1999), ASTM

Description of Non-Conformance:

The Dyson Corporation Quality Control Manager (QCM) allowed submission of a Certificate of Compliance (COC) denoting conformance with a nonexistent specification: ASTM A 449, M16 (16 mm diameter); however, no Metric specifications exist for A 449.

Contract Plans (CP) Sheet 963 called for a 16 mm diameter A 449 bolt. Since A 449 does not have a Metric version, per CP notes, sheet 423, a 5/8 inch diameter, A 449 bolt should have been provided.

The bolts were apparently fabricated to A 325M standards, for which they passed Quality Assurance (QA) testing, including mechanical, threading, and dimensions. However, QC tensile tests appear to have been some variation of A 325, reported in pounds and pounds per square inch (psi). The COC certifies galvanizing to ASTM A 123; the galvanizing requirement for A 449, A 325, and A 325M bolts is A 153/153M.

Applicable reference:

Contract Plans:

Sheet 423, "General Notes No. 1," "Substitution of Non-Metric HS Fasteners": "Bolts and rods designated as xx Dia...standard specifications."

Sheet 963, "Dehumidification Support Details No. 7"

Special Provisions, 10-1.59, "Steel Structures," para. 1, "Construction...and these Special Provisions."

CALTRANS Standard Specifications, July 1999:

Section 6-1.07, "Certificates of Compliance"

Sections 55-1.03, "Inspection" and 55-2, "Materials," Table p. 411.; 55-3.14, para. 11

ASTM A 449, A 325, A 325M, A 153/153M

QUALITY ASSURANCE -- NON-CONFORMANCE REPORT

(Continued Page 2 of 2)

Who discovered the problem: Glen Weldon, Trans Lab Manager
Name of individual from Contractor notified: Charles Kanapicki, ABF QCM
Time and method of notification: April 23, 2008, 11:43 AM, Venkatesh Iyer email
Name of Caltrans Engineer notified: Gil Klebanov
Time and method of notification: April 23, 2008, 11:30 AM, personal conversation
QC Inspector's Name: Deborah A. Smith, Q.A. Admin Assistant
Was QC Inspector aware of the problem: Yes No

Contractor's proposal to correct the problem:

Dyson is to provide to the Engineer via ABF exact material specifications, as well as explanations of galvanizing and QC testing results.

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

Inspected By:	Petrina,Markian	SMR
Reviewed By:	Iyer,Venkatesh	SMR

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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, OH**Report No:** NCS-000101**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**Date:** 25-Apr-2008**Submitting Contractor:** Dyson Corp. & Subs**NCR #:** DYSN-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: 21-Apr-2008**Description of Non-Conformance:**

The Dyson Corporation Quality Control Manager (QCM) allowed submission of a Certificate of Compliance (COC) denoting conformance with a nonexistent specification: ASTM A 449, M16 (16 mm diameter); no Metric specifications exist for A 449. Contract Plans (CP) Sheet 963 called for a 16 mm diameter A 449 bolt. Since A 449 does not have a Metric version CP notes sheet 423 indicates A 449, 5/8 inch diameter bolts should have been provided.

The bolts were apparently fabricated to A 325M standards, for which they passed Quality Assurance (QA) testing, including mechanical, threading, and dimensions. However, QC tensile tests appear to have been some variation of A 325, reported in pounds and pounds per square inch (psi). The COC certifies galvanizing to ASTM A 123; the galvanizing requirement for A 449, A 325, and A 325M bolts is A 153/153M.

Contractor's proposal to correct the problem:

Dyson is to provide to the Engineer via ABF exact material specifications, as well as explanations of galvanizing and QC testing results.

Corrective action taken:

Dyson provided a satisfactory COC for ASTM A 325M, M16 bolts marked as A 449. QC laboratory testing reports now indicate compliance with A 325M. The galvanizer indicated compliance with the correct specification, A 153, as opposed to either "A 123 or A 153" per the original galvanizing COC.

Did corrective action require Engineer's approval? Yes No**If so, name of Engineer providing approval:** Ron Matin for Gil Klebanov**Date:** 25-Apr-2008**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 Venkatesh Iyer, (858) 967-6363, who represents the Office of Structural Materials for your project.

QUALITY ASSURANCE -- NON-CONFORMANCE RESOLUTION
(*Continued Page 2 of 2*)

Inspected By: Iyer, Venkatesh

Quality Assurance Inspector

Reviewed By: Iyer, Venkatesh

QA Reviewer

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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 76.25B**QUALITY ASSURANCE -- NON-CONFORMANCE REPORT**

Location: Dyson Corporation, Painesville, OH
Prime Contractor: American Bridge/Fluor Enterprises, a JV
Submitting Contractor: Dyson Corp. & Subs

Report No: NCR-000161
Date: 11-Jul-2008
NCR #: DYSN-0002

Type of problem:

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

Reference Description: A 354 Grade BD material fabricated to nonexistent Metric standard

Description of Non-Conformance:

The Dyson Corporation Quality Control Manager (QCM) allowed submission of a Certificate of Compliance (COC) denoting conformance with a nonexistent specification: ASTM A 354 Grade BD, M30 (30 mm diameter); however, no Metric specifications exist for A 354.

The bolts were fabricated to A 354BD material standards, for which they passed Quality Control (QC) testing; threading and dimensions are apparently to A 325M.

Contract Plans (CP) Sheet 830 calls for a 30 mm diameter A 354BD bolt. Since A 354 does not have a Metric version, per CP notes sheet 423, the Contractor should have provided A 354BD bolts, inch diameter verified with Design.

Applicable reference:

Contract Plans:

Sheet 423, "General Notes No. 1," "Substitution of Non-Metric HS Fasteners": "Bolts and rods designated as xx Dia...standard specifications."

Sheet 830R01, "Bikepath Details No. 6"

Who discovered the problem: ASMR, Markian Petrina

Name of individual from Contractor notified: Charles Kanapicki, PE, QCM

Time and method of notification: Telephone message, 11:15 AM, 7/18/08

Name of Caltrans Engineer notified: Ron Matin

Time and method of notification: Telephone conversation, 9 AM, 7/18/08

QC Inspector's Name: Unknown

Was QC Inspector aware of the problem:

QUALITY ASSURANCE -- NON-CONFORMANCE REPORT

(Continued Page 2 of 2)

Yes No

Contractor's proposal to correct the problem:

Accept the bolts as "fit for purpose," as they pass mechanical testing and A 563M nuts can be threaded onto the bolts without excessive force.

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

Inspected By: Petrina,Markian

SMR

Reviewed By: Iyer,Venkatesh

SMR

REQUEST FOR INFORMATION (RFI)

RFI No.: ABF-RFI-001443R00 Submitted By: Mackey, Kim Pages: 1
 Pages Attached: 0
 RFI Date: 17-July-2008 Contact Name: Kanapicki, Charles Phone No. (510) 808-4600

Subject: Bike Path Anchor Bolt Nuts	
References:	
Sub/Sup: DYS	Sub RFI #:
Response Required by: 24-July-2008	Response affects critical path activity? No

Description:

ABFJV understand that the Bike Path Anchor Bolt nuts field sampled and Translab tested within the past week failed the GO gage test.

Is it acceptable to the Engineer that nuts be determined fit for use if they can be freely threaded on the anchor bolts?

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

The Contractor's attention is directed to NCR No.'s DYSN-0002 and DYSN-0003 issued on July 21, 2008. The Department will accept and field release the A 563M nuts with non-conforming threads as "fit for purpose." Release of this material by the Department should not be taken as an indication of accepted practice in the future.

Administrative Action:

This response resolves the RFI.

Date: 22-July-2008	Respondent: Matin, Ron	Phone No.: 510-808-4611
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 76.25B**QUALITY ASSURANCE -- NON-CONFORMANCE REPORT****Location:** Dyson Corporation, Painesville, OH**Report No:** NCR-000162**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**Date:** 11-Jul-2008**Submitting Contractor:** Dyson Corp. & Subs**NCR #:** DYSN-0003**Type of problem:**

Welding **Concrete** **Other**
Welding **Curing** **Procedural** **Bridge No:** 34-0006
Joint fit-up **Coating** **Other** **Component:** A 563M nut
Procedural **Procedural** **Description:** Nonconforming Fasteners

Reference Description: Nonconforming A 563M nuts submitted by Dyson QC**Description of Non-Conformance:**

The nut threads are excessively thick and do not pass the "Go" gauge.

Applicable reference:

ASTM A 563M

Who discovered the problem: Trans Lab Materials Testing Laboratory**Name of individual from Contractor notified:** Charles Kanapicki, PE, QCM**Time and method of notification:** Telephone Message, 7/18/08**Name of Caltrans Engineer notified:** Ron Matin**Time and method of notification:** Email, 7/17/08**QC Inspector's Name:** Unknown**Was QC Inspector aware of the problem:** Yes No**Contractor's proposal to correct the problem:**

ABF-RFI-001443R00 requests acceptance of the nuts as "fit for purpose" since the nuts thread onto accompanying bolts without excessive force.

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

Inspected By: Petrina, Markian

SMR

Reviewed By: Iyer, Venkatesh

SMR

REQUEST FOR INFORMATION (RFI)

RFI No.: ABF-RFI-001443R00 Submitted By: Mackey, Kim Pages: 1
 Pages Attached: 0
 RFI Date: 17-July-2008 Contact Name: Kanapicki, Charles Phone No. (510) 808-4600

Subject: Bike Path Anchor Bolt Nuts	
References:	
Sub/Sup: DYS	Sub RFI #:
Response Required by: 24-July-2008	Response affects critical path activity? No

Description:

ABFJV understand that the Bike Path Anchor Bolt nuts field sampled and Translab tested within the past week failed the GO gage test.

Is it acceptable to the Engineer that nuts be determined fit for use if they can be freely threaded on the anchor bolts?

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

The Contractor's attention is directed to NCR No.'s DYSN-0002 and DYSN-0003 issued on July 21, 2008. The Department will accept and field release the A 563M nuts with non-conforming threads as "fit for purpose." Release of this material by the Department should not be taken as an indication of accepted practice in the future.

Administrative Action:

This response resolves the RFI.

Date: 22-July-2008	Respondent: Matin, Ron	Phone No.: 510-808-4611
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Contract #: 04-0120F4
Cty: SF/ALA Rte: 80 PM: 13.2/13.9
File #: 76.25B

QUALITY ASSURANCE -- NON-CONFORMANCE REPORT

Location: Monnig Industries--Glasgow, Missouri
Prime Contractor: American Bridge/Fluor Enterprises, a JV
Submitting Contractor: Dyson Corp. & Subs

Report No: NCR-000198
Date: 05-Sep-2008
NCR #: DYSN-0004

Type of problem:

Welding Concrete Other
Welding Curing Procedural Bridge No: 34-0006
Joint fit-up Coating Other Component: E2 Shear Key Anchor Rod Assemblies
Procedural Procedural Descriptor: Shipment without release after late procurement

Reference Description: ABF shipped E2 Shear Key Anchor Rod Assemblies without QA testing or release due to time constraints from late ordering

Description of Non-Conformance:

ABF procured ASTM A 354 BD anchor rod assemblies too late to allow normal release procedures. As a result, QA sampling and shipment occurred simultaneously, and A 354 Grade BD anchor rods and A 563 hex nuts for the E2 Shear Key were shipped to the jobsite without QA testing results or METS release. Time was constrained because these components were ordered on a schedule that led to completion of fabrication only several days before anticipated installation.

In addition, documentation was either missing or incomplete.

Applicable reference:

Caltrans Standard Specifications, July 1999, (SS) Section 5-1.13, "Final Inspection," p.28: "When the work has been completed, the Engineer will make the final inspection."

SS, Section 6-1.07, "Certificates of Compliance," para. 1, p. 33: "A Certificate of Compliance shall be furnished..."

Who discovered the problem: Edward Leach, METS QA Inspector
Name of individual from Contractor notified: Robert (Bob) Kick,
Time and method of notification: 1600, 9/16/08, personal conversation with ASMR
Name of Caltrans Engineer notified: Brian Boal
Time and method of notification: 1400, 9/16/08, personal conversation with SMR

QC Inspector's Name: Unknown
Was QC Inspector aware of the problem: Yes No

Contractor's proposal to correct the problem:
None at this time.

Comments:

QUALITY ASSURANCE -- NON-CONFORMANCE REPORT

(Continued Page 2 of 2)

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Inspected By: Petrina,Markian

SMR

Reviewed By: Iyer,Venkatesh

SMR



AMERICAN BRIDGE/FLUOR ENTERPRISES, a JV
P.O. BOX 23223 Oakland, CA 94623
Phone (510) 419-0120 / Fax (510) 839-0666

NCR PROPOSED RESOLUTION

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

Attention: Pursell, Gary
Resident Engineer

Ref: 05.03.06-000169

Subject: NCR No. DYSN-0004

Dated: 07-Oct-2008

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

Job Name: SAS Superstructure

Document No.: ABF-NPR-000167 Rev: 00

Contractor's Proposed Resolution:

Reference Resolution: Project approvals required expedited fabrication and delivery. Complete CoC packages have been transmitted to the Department.

The schedule for the fabrication delivery and installation was compressed due to the issues that were resolved in ABF-RFI-001233 and subsequent revisions. But for this RFI ABF could have proceeded with fabrication approximately 3 months earlier. ABF chose to ship the materials without METS release to prevent delays to the Project resulting from the need for ABF-RFI-001233.

Attached please find a copy of ABF-TRN-001476 and ABF-TRN-001477 under which the appropriate documentation was provided to Caltrans.

Submitted by: Kick, Robert

Attachment(s): ABF-NPR-000167R00; ;

Caltrans' comments:

Status: CLO
Date: 15-Oct-2008

The Department does not agree that RFI 1233 as the sole reason for not providing timely documentation for anchor rods and pipe sleeves.

The Department expect that in future the contractor will provide timely documentation and allow time for QA testing and subsequent release of material prior to shipping to the job-site.

Submitted by: Sehgal, Ajay

Attachment(s):

Date: 15-Oct-2008

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Contract #: 04-0120F4
 Cty: SF/ALA Rte: 80 PM: 13.2/13.9
 File #: 76.25B

QUALITY ASSURANCE -- NON-CONFORMANCE REPORT

Location: Dyson Corporation, Painesville, OH
Prime Contractor: American Bridge/Fluor Enterprises, a JV
Submitting Contractor: Dyson Corp. & Subs

Report No: NCR-000199
Date: 16-Sep-2008
NCR #: DYSN-0005

Type of problem:

Welding Concrete Other
 Welding Curing Procedural Bridge No: 34-0006
 Joint fit-up Coating Other Component: E2 Shear Key Bearing Anchor Rod Assemblies
 Procedural Procedural Descriptor: Release of Nonconforming Material

Reference Description: E2 Shear Key A 354 BD Bearing Anchor Rods, A 563 DH Nuts

Description of Non-Conformance:

Trans Lab QA testing determined that Dyson Corporation provided nonconforming material:

- 1) Anchor rods: 2 heats (of 7 total) did not meet ASTM A 354 Grade BD requirements for elongation, 14% in 2 inches required. Heat Treatment Lot MJF 26 had a two-sample average of 13.45%, with one sample at 14.4% and another at 12.5%; Lot MJF 30 had an average of 13.45%, one each at 13.6% and 13.3%.
- 2) Nuts: Spherical nuts fabricated to ASTM A 563 material standards had insufficient hardness. A 563 Grade DH nuts require hardness between 24 and 38 on the Rockwell C hardness scale (C24 to C38). The three-nut average hardness was approximately C20, with one as low as C18.5. Of note, the hardness test averages four readings per test face; one nut had hardness readings varying between 16 and 37.

This is the third such instance with Dyson since November, 2007.

Applicable reference:

ASTM A 354
 ASTM A 563

Who discovered the problem: Trans Lab

Name of individual from Contractor notified: Robert (Bob) Kick

Time and method of notification: 0910, 9/17/2008, telephone call

Name of Caltrans Engineer notified: Brian Boal

Time and method of notification: 1500, 9/17/2008, face-to-face meeting

QC Inspector's Name: Unknown

Was QC Inspector aware of the problem: Yes No

Contractor's proposal to correct the problem:

Submit RFI to accept rods "as is" and nuts. Design approved incorporation of rods with noncompliant elongation; nuts pass tensile test, which overrides the hardness test.



AMERICAN BRIDGE/FLUOR ENTERPRISES, a JV

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NCR PROPOSED RESOLUTION

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

Attention: Pursell, Gary
Resident Engineer

Ref: 05.03.06-000170

Subject: NCR No. DYSN-0005

Dated: 15-Oct-2008

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

Job Name: SAS Superstructure

Document No.: ABF-NPR-000169 Rev: 00

Contractor's Proposed Resolution:

Reference Resolution: ABFJV requests that rods and nuts in question be accepted "as-is."
Please see RFI 1524 (attached). Based on the response to this RFI, ABFJV requests that rods and nuts in question be accepted "as-is."

Submitted by: Kanapicki, Charles

Attachment(s): ; ABF-NPR-000169R00

Caltrans' comments:

Status: CLO
Date: 16-Oct-2008

The Department accepts the Dyson rod assemblies as 'Fit for Purpose'.
The Contractor is advised that any future non-conforming material furnished by Dyson will be subject to rejection.

Submitted by: Matin, Ron

Attachment(s):

Date: 16-Oct-2008

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Contract #: 04-0120F4
 Cty: SF/ALA Rte: 80 PM: 13.2/13.9
 File #: 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 according 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



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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
Attachment(s):

Date: 06-Nov-2012



Adam Roebuck
<aroebuck@abfjv.com>
11/06/2012 12:32 PM

To 'Warren Collins' <Warren_Collins@dot.ca.gov>
cc
bcc

Subject RE: B14 Anchor Rods - Dyson NCR/NPR

History: This message has been forwarded.

Warren,

I am aware of one rod that had nicked threads at one end. The rod with damaged threads is the same length as one of the rods that we need to cut. The length of damaged threads falls within the area that needs to be removed.

I cannot recall if the rod was marked as "bad." I will verify this afternoon if there is another rod that has some type of damage.

Regards,

Adam R. Roebuck, P.E.
Asst. Project Manager - Cable

American Bridge / Fluor, A Joint Venture
375 Burma Road
Oakland, CA 94607
510-808-4590 Desk
510-774-1469 Cell
aroebuck@abfjv.com

From: Warren Collins [mailto:Warren_Collins@dot.ca.gov]
Sent: Tuesday, November 06, 2012 11:16 AM
To: aroebuck@abfjv.com
Subject: B14 Anchor Rods - Dyson NCR/NPR

Adam,

We should have a response in PMIV by the end of the day to close-out NCR #DYSN-0006 / ABF-NPR-001052.

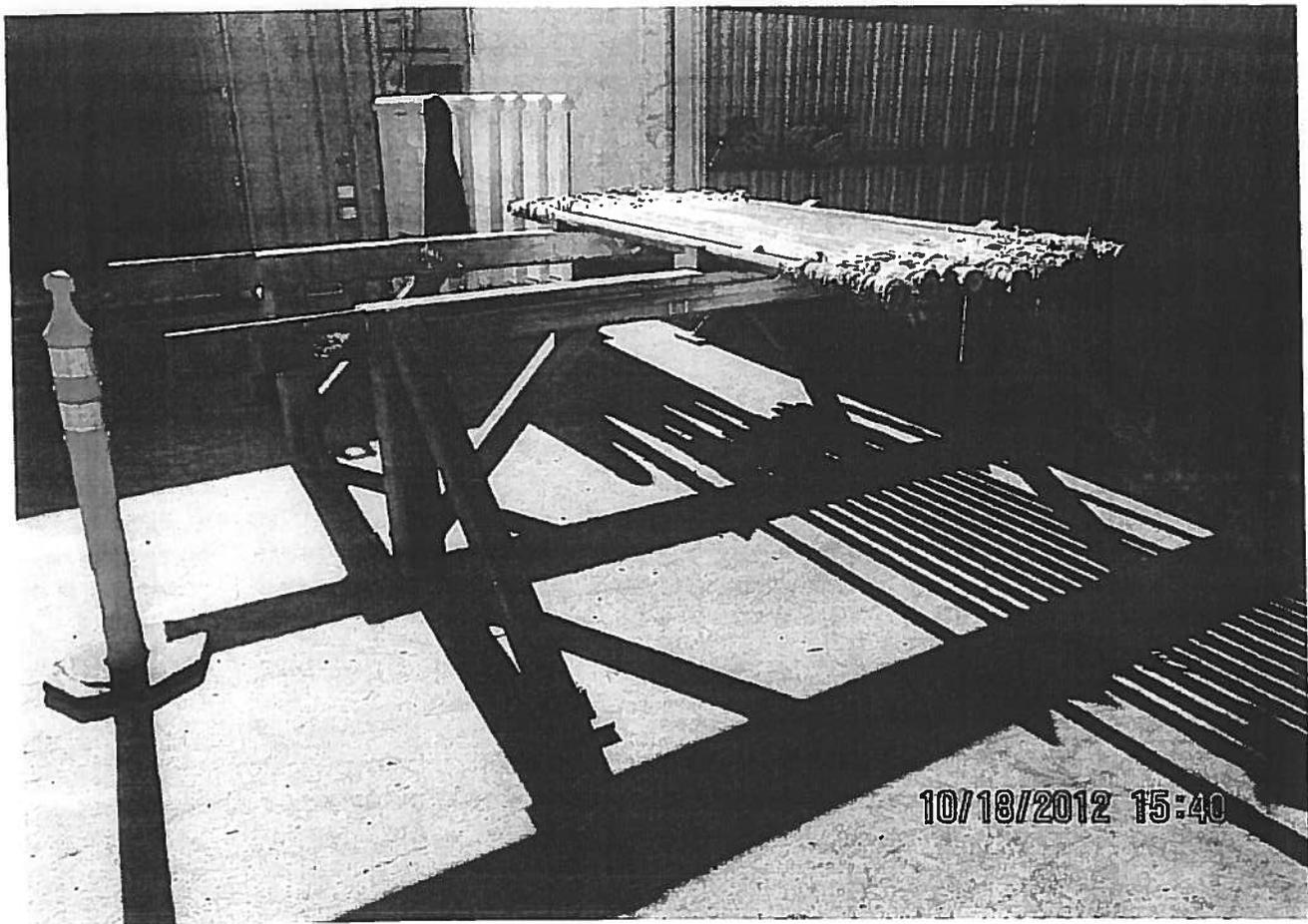
In the interim, I wondered if you can shed any light on a B14 Anchor Rod that appears to have been marked up as "Bad" - see attached photo. Is this one of the rods that is subject of the NCR?

Regards,
Warren

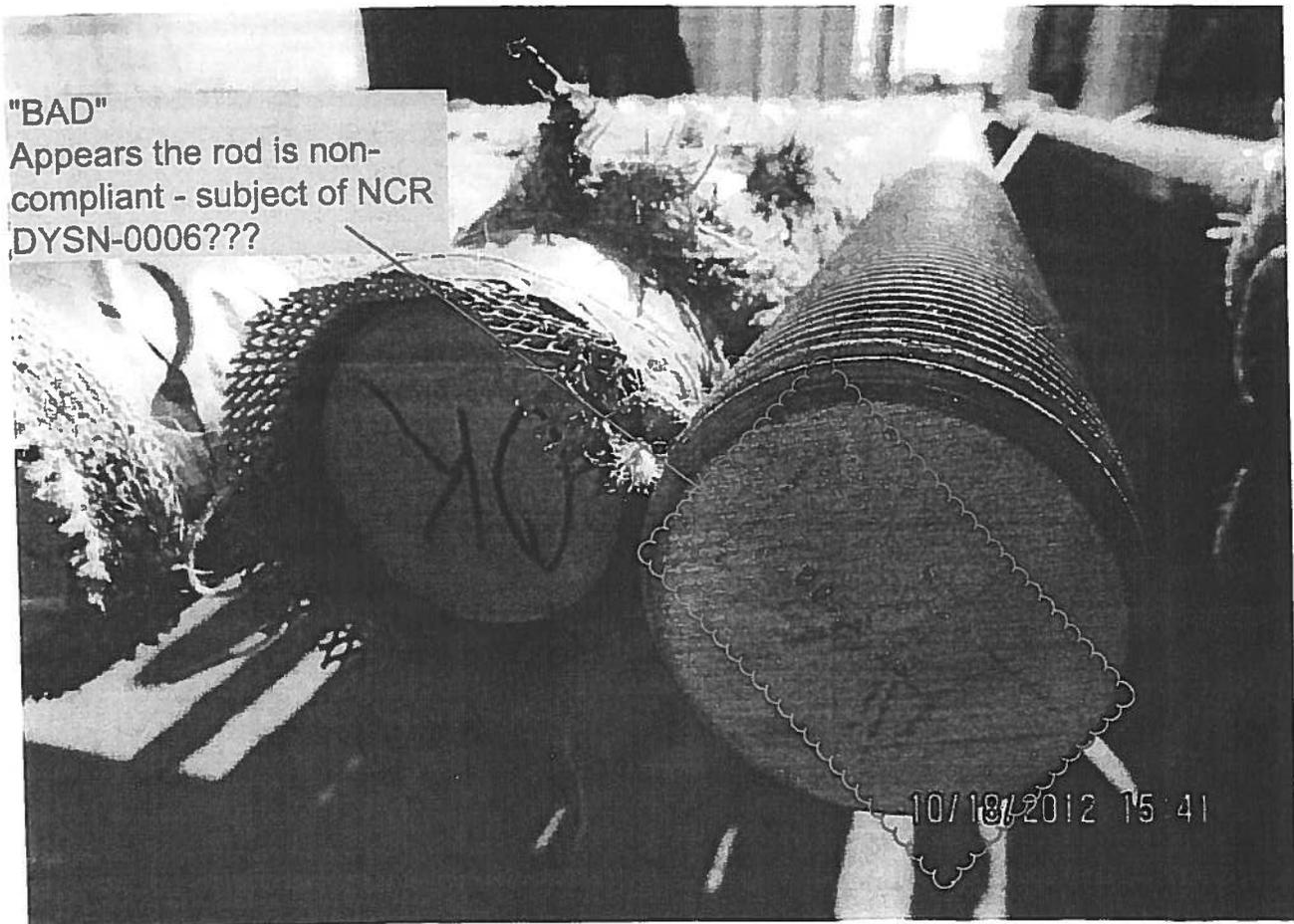
(See attached file: B14 Anchor Rods.pdf)

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This message has been scanned for viruses and dangerous content by **MailScanner**, and is believed to be clean.
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10/18/2012 15:40



"BAD"
Appears the rod is non-compliant - subject of NCR
DYSN-0006???

10/18/2012 15:41

Warren
Collins/D04/Caltrans/CAGov
10/23/2012 08:50 AM

To aroebuck@abfjv.com
cc ckanapicki@abfjv.com, bdagher@sasbridge.com, Bob
Brignano/D04/Caltrans/CAGov@DOT
bcc
Subject Fw: Dyson NCR-0006 - B14 Cable Band Bolts

Adam,

The B14 Anchor Rods, subject of NCR #DYSN-0006, have been delivered to the job site. Per discussion, I understood that you were going to provide notification of the mitigation measures for approval in the NPR?

If you've submitted the NPR please can you let me know the number as I was unable to locate it in a PMIV search this morning.

Regards,
Warren

----- Forwarded by Warren Collins/D04/Caltrans/CAGov on 10/23/2012 08:38 AM -----

Warren
Collins/D04/Caltrans/CAGov
10/02/2012 04:56 PM

To aroebuck@abfjv.com
cc ckanapicki@abfjv.com, bdagher@sasbridge.com
Subject Dyson NCR-0006 - B14 Cable Band Bolts

Adam,

Advanced copy of NCR: #DYSN-0006, which is in this evening's PMIV flash.

Regards,
Warren



DYSN-0006.pdf



NCR - DYSN-0006.pdf

