

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
 MATERIALS ENGINEERING AND TESTING 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
 FAX: (707) 649-5493

Contract # : 04-0120M4
 Cty ALA Rte 80 PM 1.6/2.7
 File # 1.25 B

QUALITY ASSURANCE - NONCONFORMANCE REPORT

Location: Watson Bowman Acme, Amherst NY

JOBSITE NCR

Date: 12-12-12

Prime Contractor: Flat Iron West, Inc.

NCR #3

Submitting Contractor: Watson Bowman Acme, Amherst NY

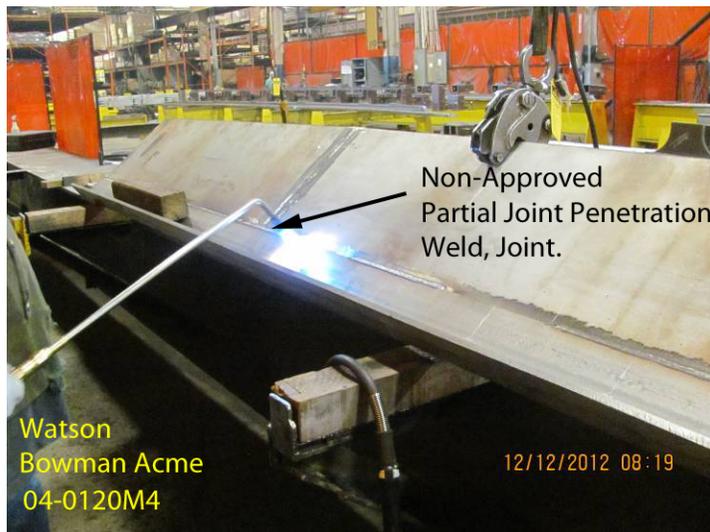
Type of problem:

- Welding** **Concrete** **Other**
Welding: **Curing:** **Procedural:** **Bridge No.** 34-0006 L/R
Joint fit-up: **Coating:** **Other:** **Component:** Oakland Tochdown
Procedural: **Procedural:** Bike Path Expansion Joint

Description of Non-Conformance: Fabrication is not consistent with the approved drawing for the item of work.

The Partial Penetration Groove weld was not detailed on the approved shop drawings and appears to be done without Engineer approval as the fabricator could not present approved documentation for the change. WPS for the weld detail was not included in the approved WQCP.

The item is for the Bike Path Expansion Joint 16mm Stainless Steel Plates. The component numbers are; 3P2, 4P1, 6P2, and 7P1.



QUALITY ASSURANCE - NONCONFORMANCE REPORT

(Continued, Page 2 of 2)

Applicable reference: Special Provisions 8-3; Inspection and approval of all joint preparations, assembly practices, joint fit-ups, welding techniques, and the performance of each welder, welding operator, and tack welder shall be documented by the QC Inspector on a daily basis for each day the welding is performed. For each inspection, the QC Inspector shall confirm and document compliance with the requirements of the AWS code criteria and the requirements of these Special Provisions on all weld joints before welding, during welding and after the completion of welding.

AWS D1.6, sec 6.5.1; The inspector shall make certain that the size, length, and location of all welds conform to the requirements of this code and to the detail drawings and that no unspecified welds have been added without approval.

Who discovered the problem: Caltrans QA inspector Kevin Muser

Name of individual from Contractor notified: WBA QCM, Greg Ross

Time and method of notification: In Person 0800

Name of Caltrans Engineer notified: Gary Lai

Time and method of notification: 12/13/2012, Verbal

QC Inspector's Name: John Miller/ Greg Ross

Was the QC Inspector aware of problem: Yes

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

Comments: This report is for the purpose of determining general 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: Kevin Muser

Quality Assurance Inspector

Reviewed By: Ken Riley

Lead QA Reviewer

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Contract # : 04-0120M4
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 File # 1.25A

QUALITY ASSURANCE - NONCONFORMANCE RESOLUTION

Location: Job Site

Date: 12/17/2012

Prime Contractor: Flatiron West, Inc.

NCR# 3

Submitting Contractor: Watson Bowman Acme Corporation

Type of problem:

Welding	<input checked="" type="checkbox"/>	Concrete	<input type="checkbox"/>	Other	<input type="checkbox"/>
Welding:	<input type="checkbox"/>	Curing:	<input type="checkbox"/>	Procedural:	<input type="checkbox"/>
Joint fit-up:	<input type="checkbox"/>	Coating:	<input type="checkbox"/>	Other:	<input type="checkbox"/> <<Other Problem Type>>
Procedural:	<input checked="" type="checkbox"/>	Procedural:	<input type="checkbox"/>		

Bridge No . 34-0006L/R

Component Bike Path Expansion Joint

Date nonconformance report was written: 12/12/2012

Description of Non-Conformance: Fabrication is not consistent with the approved drawing for the item of work.

The Partial Penetration Groove weld was not detailed on the approved shop drawings and appears to be done without Engineer approval as the fabricator could not present approved documentation for the change. WPS for the weld detail was not included in the approved WQCP.

The item is for the Bike Path Expansion Joint 16mm Stainless Steel Plates. The component numbers are; 3P2, 4P1, 6P2, and 7P1.

Contractor's proposal to correct the problem:

1. Submit shop drawing of Partial Penetration Groove weld.
2. Submit WPS as an addendum to WQCP.
3. Submit QC Verification of the fit-up configuration

Corrective action taken: Contractor submitted revised shop drawing of the joint configuration. WPS for joint configuration was submitted as addendum to WQCP. Design took no exception on PJP splice per email received from Structural Representative on 12/17/2012. A complete set of QC documentation was submitted.

Did corrective action require Engineer's approval? Yes No

If so, name of the Engineer providing approval: Gary Lai

Date: 12/17/2012

Is Engineer's approval attached: Yes No

Comments: This report is for the purpose of determining general 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: Keivan Hassan

Quality Assurance Inspector

Reviewed By: Gary Thomas

QA Reviewer