

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES  
 MATERIALS ENGINEERING AND TESTING SERVICES  
 Office of Structural Materials  
 Quality Assurance and Source Inspection

**Sacramento Branch**

5900 Folsom Blvd  
 Sacramento, CA 95819  
 (916) 227-7263  
 FAX: (916) 227-7117

Contract # : 04-0120M4

Cty ALA Rte 80 PM1.6/2.7File # 1.25 B**QUALITY ASSURANCE - NONCONFORMANCE REPORT****Location:** Jensen Precast, Lockeford, CA**Date:** 2-26-13**Prime Contractor:** Flat Iron West, Inc**NCR #** 004**Submitting Contractor:** Jensen Precast**Type of problem:** Concrete Utility Vaults were not cured per Standard Specifications.**Welding**       **Concrete**       **Other**      **Welding:**       **Curing:**       **Procedural:**       **Bridge No.****Joint fit-up:**       **Coating:**       **Other:**       **Component:****Procedural:**       **Procedural:**      

**Description of Non-Conformance:** Caltrans Quality Assurance Inspector (QA), Kevin Muser, arrived at Jensen Precast in Lockeford, CA and met with Quality Control (QC) Inspector, Richard Whalen. The purpose of the visit was to observe Utility Vaults.

QA observed six (6) Utility Vaults with their corresponding Cover Slabs as follows: Utility Vault Part# 2@371509-19, 371509-21, 371509-23, 371509-13 and 371509-15. Cover Slab Part# 371509-22, 371509-24, 371509-18, 371509-20, 371509-14 and 371509-16. This is all of the Utility Vaults and Cover Slabs cast on 2-21-13, 2-22-13, 2-25-13 and 2-26-13. Utility Vaults and Cover Slabs were observed to not have been cured by any of the means in Standard Specifications Section 90-7. This was brought to the attention of QC Inspector and Jensen Precast Project Manager Gary Land. Mr. Land was not aware of the curing requirements in the Standard Specifications Section 90-7.

As required by Special Provisions Section 10-1.65 "Utility Vault": "Utility vaults, consisting of precast reinforced concrete sections and miscellaneous bridge metal, shall conform to the details shown on the plans, the provisions in Section 51, "Concrete Structures," of the Standard Specifications, and these special provisions."

As required by Standard Specifications Section 51: "Concrete Structures", Subsection 51-1.01 "Description": Concrete shall conform to the provisions in Section 90, "Portland Cement Concrete".

As required by Standard Specifications Section 90-7.04 "Curing Precast Concrete Members": Precast concrete members shall be cured in conformance with any of the methods specified in Section 90-7.01 "Methods of Curing". Curing shall be provided for the time specified for each method or until the concrete reaches its design strength...

Acceptable curing methods listed in Section 90-7.01:

90-7.01A: Water Method

90-7.01 B: Curing Compound

90-7.01 C: Waterproof Membrane Method

90-7.01 D: Forms-In-Place Method

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# QUALITY ASSURANCE - NONCONFORMANCE REPORT

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Utility Vaults



Cover Slabs



Surface without  
Curing Compound



Surface without  
Curing Compound

**Applicable reference:** Special Provisions 10-1.65 "Utility Vaults", 8-2. "Concrete" and Standard Specifications 90-7

**Who discovered the problem:** Caltrans QA inspector Kevin Muser

**Name of individual from Contractor notified:** Gary Land

**Time and method of notification:** In Person 1030

**Name of Caltrans Engineer notified:** RE: Jeannie Balderramos, SMR Keivan Hassan, (916)799-8554

**Time and method of notification:** 1300, by phone

**QC Inspector's Name:** Richard Whalen

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

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

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Inspected By: Kevin Muser

Quality Assurance Inspector

Reviewed By: Rob Ramos

Lead QA Reviewer