

DEPARTMENT OF TRANSPORTATION

ENGINEERING SERVICE CENTER
DIVISION OF MATERIALS ENGINEERING AND TESTING SERVICES
Office of Structural Materials
Quality Assurance and Source Inspection
Bay Area Branch
4240 Hollis St., Suite 300
Emeryville, CA 94608
(510)450-7765
FAX (610) 801-5337



Contract # : 04-012024
Cty SF-Ala Rte 80 FM 13.9/14.3, 0.0/1.6

QUALITY ASSURANCE- NONCONFORMANCE REPORT

Location: Ingleside, Texas

Date: 08-20-2002

Prime Contractor: Joint Venture- KFM

Submitting Contractor: Kiewit Offshore Services

Type of problem:

Welding [X] Concrete [] Other []
Welding: [] Curing: [] Procedural: []
Joint fit-up: [] Coating: [] Other: []
Procedural: [X] Procedural: []

Description of Non-Conformance: Kiewit Offshore Services has been observed performing the following discrepancies with welding and welding without approved WPSs:

- a) Applying submerged arc welding of the shear keys to the flat plates in the 1G position rather than the welding procedure specification specified position of 2G.
b) Applying a combination of submerged arc welding and flux cored arc welding of the shear keys to the flat plates in the 1G position rather than the welding procedure specification specified position of 2G.
c) Applying wrap around welds at the shear key ends of flat plate assemblies.
d) Applying submerged arc welding grout beads to numerous pile outer sleeves identified as SL102-# 365, #292, #309, #296, #295 and #308 without an approved welding procedure specification

Applicable reference: Item a), AWS D1.5 (1996) section 5.8.1. Item b), AWS D1.5 (1996) section 5.7.9 and 5.8.1. Item c), AWS D1.5 (1996) section 6.5.1 and KOS's fabrication drawings. Item d), AWS D1.5 (1996) section 5.8.1 and Caltrans State Letter number 5.03.1-000328.

Who discovered the problem: Caltrans QA Inspectors Robert Mertz and Robert Cuellar

Name of individual from Contractor notified: QCM George Bamhill of KOS/Walzel Inspection Services,

Time and method of notification: The contractor's QCM representative identified above was verbally informed on this date at 16:00.

Name of Caltrans Engineer notified: Mark Woods

Time and method of notification: Via Phone on 8-20-02 and e-mail on 8-21-02

QC Inspector's Names: George Bamhill and Thomas Morehead.

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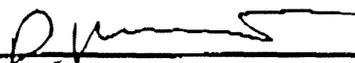
(Continued, Page 2 of 2)

Was the QC Inspector aware of problem: Yes

Contractor's proposal to correct the problem: Unknown at this time.

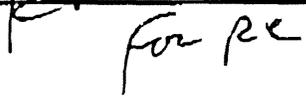
Comments: This report is for the purpose of determining general conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Venkatesh Iyer, (858) 957-6363, who represents the Office of Structural Materials for your project.

Inspected By: Robert Cuellar



Quality Assurance Inspector

Reviewed By; Robert Mertz



Quality Assurance Lead Inspector