



Daily Diary Report by Bid Item

Contract No.: 04-0120F4

Diary #: 047 Const Calendar Day: 178 Date: 05-Mar-2010 Friday
 Inspector Name: Brignano, Bob Title: Transportation Engineer
 Inspection Type:
 Shift Hours: Break: Over Time:
 Federal ID:
 Location:
 Reviewer: Schmitt, Alex Approved Date: 10-Oct-13 Status: Approved

04-0120F4
 04-SF-80-13.2/13.9
 Self-Anchored
 Suspension Bridge

Weather

Temperature 7 AM 12 PM 4PM
 Precipitation Condition

Working Day If no, explain:

Diary:

Dispute

General Comments

ITEM 56 ERECT STRUCTURAL STEEL (BRIDGE)(BOX GIRDER):
 U-RIB BOLTED SPLICES AT OBG FIELD SPLICE 2:

I am present in the field in the morning and afternoon for portions of the work when ABF has some problems with the bolting procedures as detailed below. The primary inspection of the bolting is by other Caltrans OBG inspectors.

In the morning (1100 to 1200), I am involved in discussion regarding an issue with BOLT STICKOUT: ABF has some bolts with more than the 1/4" (6mm) maximum stickout. The Caltrans OBG inspectors point out that some of the installed bolts do not comply with this contract requirement. ABF engineer Daniel Hester questions this requirement and wants to see it in the specs. I point out the requirement in Section 55-3.14B of the Caltrans Standard Specifications. I also point out that it is in ABF's approved Submittal ABF-SUB-001309R01, "High Strength Bolt Field-Installation & Inspection Plan." Daniel then agrees that it is required and has the ironworkers correct problem bolts.

In the afternoon (1330 to 1430), I am involved in discussion regarding an issue with the REQUIRED TURNS FOR THE TURN OF THE NUT METHOD:
 The ironworkers could not fully tighten the upper row of bolts on the U-rib bolted splices. The lower 2 rows of bolts were tightened with an impact gun with a wobbler, but that did not work for the upper row of bolts. For that upper row, the impact gun would not fit between the U-ribs with normal sockets, so the ironworkers had to use a 90-degree attachment on the impact gun. The equipment lost a lot of power with that attachment on the impact gun and they could barely get a quarter turn (versus the required half turn). There is some discussion about over-snug tightening, so some lesser snug tightening is tried but still does not work for being able to fully turn the nut to the required turn of the nut amount. In discussions with ABF, they say that they will get some different equipment on a later date and find a way to tighten these upper row bolts on the U-rib bolted splices.