

AKM

Job Stamp

04-0120F4
SFOBB SAS

Const. Calendar: 986

Project Work Day No.: 1196

| | | | | |
|-------------|------------|-------|------|-------|
| Date | 08/25/2009 | | | |
| Inspectors | Start | 07:20 | Stop | 09:40 |
| Hours | | 13:10 | | 14:20 |
| Shift Hours | | 07:00 | | 15:30 |

ASSISTANT RESIDENT ENGINEER'S

CONTRACTOR – ABFJV, Subs SDI and CMC-RS

| EQUIPMENT AND/OR LABOR: | | HOURS - ITEM NO. | | | | | | | | | | REMARKS | | |
|-------------------------|---------|-------------------------------------|---|---------------------|------------------------------------|--|--|--|--|--|--|--------------|-------------------|------------|
| Equip. # | NO. MEN | DESCRIPTION (Of Equipment or Labor) | #34 Prestressing Cast-In-Place Concrete (Pier W2) | #37 Cable Tie -Down | #48 Bar Reinforcing Steel (Bridge) | | | | | | | IDLE OR DOWN | Name | Contractor |
| 1 | 1 | Ironworker Superintendent | | 5 | | | | | | | | 3 | Ralph Craig | SDI |
| 2 | 1 | Ironworker Superintendent | | | 1 | | | | | | | 7 | Rodrigo Marquez | CMC-RS |
| 3 | 1 | Ironworker Foreman | | | 2 | | | | | | | 6 | Gabriel Garcia | CMC-RS |
| 4 | 1 | Ironworker Journeyman | | | 2 | | | | | | | 6 | Ernesto Rodriguez | CMC-RS |
| 5 | 1 | Ironworker Journeyman | | | 2 | | | | | | | 6 | Daniel Garcia | CMC-RS |
| CH600-8-105 | 1 | Hydraulic Ram (Strand) | | | | | | | | | | 8 | | SDI |
| HPU-D-110-3K-02 | 1 | Hydraulic Pushing Unit | | | | | | | | | | 8 | | SDI |
| SDI-HPU-D-110-3K | 1 | Hydraulic Pushing Unit | | | | | | | | | | 8 | | SDI |
| HPU-E-20-10K-03 | 1 | A Frame | | | | | | | | | | 8 | | SDI |
| | 1 | A Frame (600 Ton) | | | | | | | | | | | | |
| SPH.60.3K.06 | 1 | Strand Pushing Guide | | | | | | | | | | 8 | | SDI |
| SPH-60-3K-04 | 1 | Strand Pushing Guide | | | | | | | | | | 8 | | SDI |
| | 1 | Strand Pack Spool Jig | | | | | | | | | | 8 | | SDI |
| | 1 | Winch w/combustible motor | | | | | | | | | | 8 | | SDI |
| | 2 | Winch w/out motor | | | | | | | | | | 8 | | SDI |
| | 1 | Connex Box | | | | | | | | | | 8 | | SDI |

Weather: Overcast in the morning to sunny in the afternoon, and moderate westerly winds with mild temperatures all day – Hi 78°F Low 56°F (per weather.com forecast)

Description of Operations @ W2 Cap Beam:

ABF

- Continued to grind/sand the bottom surface of the W2 cap beam.
- Continued removing the formwork in the southwest W2 cap beam void area, see David Bradd and Lalit's diaries for details as this is force account work.
- Continued to bolt the strandjack toggle beams to the 3 soffit cap beams. The only connection for vertical loads is a horizontal weld between the flanges of the two beams.
- Continued to form the vertical face of the vertical bars and PT blockout near W2E.
- Discussed with ABF foreman Nigel Lohse about the holes drilled in the W2E and W2W construction joints. The holes need to be 230mm per RFI 1798R02 and if rebar is encountered then redrill another hole per the special provisions "Drill and Bond Dowels". ABF proceeded to redrill holes in the W2E construction joint.

REC'D H31 OCT-13 #01119

SDI

- Mobilized equipment for the upcoming installation/stressing of the vertical PT tendons and the cable tie-downs on top of the cap beam. Two strand packs came in with orange release tags which weren't retrieved. This was done so that the strand placement in the vertical PT tendons could be tracked. The tags were protected and remained secured to the pack. There were some tears in the strand pack wrapping and some rust was visually seen on the strand. Prior to leaving the jobsite SDI covered the strand pack with plastic and weights.

CMC-RS

- Attempted to epoxy dowels into the holes drilled by ABF at the W2E construction joint. The #19 hooked dowels sent to the jobsite were too short, see photos below for details. The crew left after it was discovered that the bars were the wrong length and that the holes were also not drilled to the right depth. I informed the RS superintendent Rodrigo Marquez about RFI 1721R00 which still needs to be done per Pamela's inspection. I also mentioned to Rodrigo and Nigel about the rebar that may be in the way of placing mandrels for the continuity tendons.

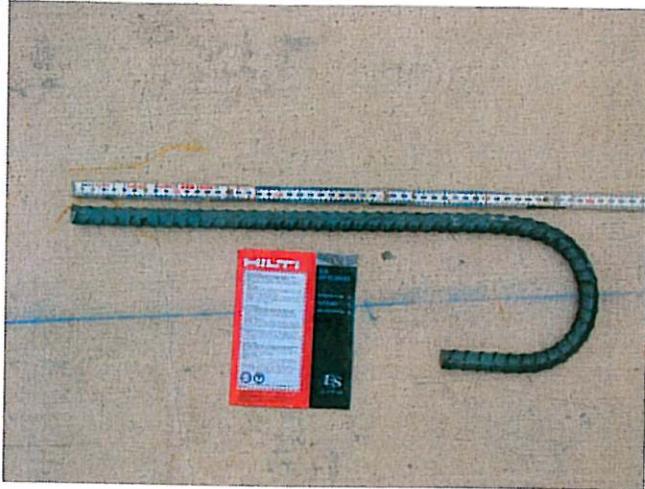
Office work:

- Continued to review pertinent documents related to the cable tie-down installation/stressing.
- Continued to review RFI 1798R2 regarding the procedure to drill and bond the #19 dowels at the W2 cap beam to OBG construction joint.
- Myself, Gil, Mohammed Fatemi (METS), Bill Levell(Caltrop), and Rob Ramos (Caltrop) discussed the issues related to bottom bearing pipe assembly modifications. We called Mike Schwager regarding the distance between the cut in the steel pipe from the top of the bearing plate. Bill and Mohammed inquired about the joint/weld details and WPS. discussed the girth weld, the capability of the guide pipe withstand the liquid head of future grouting operations, and clearance issues related to the backer bar.
- Sent Mohammed and Bill the email bootleg copy of RFI 1867 with the WPS and shop drawing of the bottom bearing pipe assembly to be fixed at CK Johnson in Arcata.

Inspector:

Matt Bruce Matt Bruce Transportation Engineer (D)

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|----------------|----------------------------|
| EA | 04-0120F4 |
| Co-Rte-KP (PM) | SF-080-13.2/13.9 (8.2/8.7) |
| Structure Rep. | Rick Morrow |



| | | | |
|------------|------------------------|---------|---------|
| File Name: | Aug-25-2009 W2 Cap 002 | | |
| Date: | 08-25-09 | By Int: | M Bruce |

Description: The measured length of the dowels sent to the jobsite today was 500mm. This length was insufficient to obtain the required embedment length of 230mm and hook around the #19 vertical bars. The ironworkers did have the Hilti Hit-RE 500-SD anchorage system tools and materials.

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| File Name: | Aug-25-2009 W2 Cap 005 | | |
| Date: | 08-25-09 | By Int: | M Bruce |

Description: SDI equipment and material mobilized on the top of the W2 cap beam.



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|------------|------------------------|---------|---------|
| File Name: | Aug-25-2009 W2 Cap 006 | | |
| Date: | 08-25-09 | By Int: | M Bruce |

Description: Two strand packs were covered with black plastic. The strand pack spool jig is seen to the right of the strand. This particular piece of equipment will be used for placing the cable tie-down strand.

| | | | |
|------------|------------------------|---------|---------|
| File Name: | Aug-25-2009 W2 Cap 007 | | |
| Date: | 08-25-09 | By Int: | M Bruce |

Description: Formwork removal progress in the afternoon of the void area southwest quadrant.