STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

# ENGINEER'S DAILY REPORT

**LAN Engineering Consultant**

5/4/09

REPORT NO. 849 {7-day} { + 210 Project Work Day}

DATE April 10, 2009

M T W T F S S (DAY)

NORMAL WORK HOUR: START: 6:00AM STOP: 3:30PM

WEATHER: SUNNY

LOCATION :

Construction Field Office : 333 Burma Road, Oakland 94607

Working Drawing Campus Office : 375 Burma Road, Oakland 94607

**04-SF-80-13.2/13.9**
**Contract No. 04-0120F4**
**{SAS Superstructure}**

**Caltrans Supervisor:**
**Gary Lai**
**Senior Bridge Engineer**

**Office Work:**

- **MEP CCO Weekly Status Meeting – WDC Conference Room 9:00 AM.**
  - Cover all the active CCO's, CCR's and ATP's still in the design / processing phase.
  - Attached is a copy of the previous meeting minutes and added comments this week. See attachment #1.
- **Shop Drawing Work – Lift 12 Priority**
  - Working on the shop drawings with the PB design group to expedite the Lift 12 shop submittals.
  - Covered all the reviewed submittals that were processed by PB and updated the Priority List for Monday's meeting.
- **OBG Master Penetration Charts.**
  - Updating the OBG master MEP penetration charts from the previous week's changes in the status of the shop drawings and china fabrication update.

*Any questions or comments you can reach me at (916) 919-7158. My E-Mail address is Mike.Travis@LANEngineering.com or Michael_Travis@dot.ca.gov*

END OF REPORT

Work hours 0530-1600 – 8 hours regular

Attachments:

1. MEP CCO Weekly Meeting Minutes 4.10.2009.

SIGNATURE

Name: Michael F. Travis

TITLE: Electrical Engineer – LAN Engineering

RECD '09 MAY-07 #009433

BAY BRIDGE

April 10 Notes - MFT

SFOBB SELF ANCHORED SUSPENSION BRIDGE
CALTRANS PROJECT NO. 04-0120F4
ABFJV PROJECT NO. 660110

Attachment #1 (1/1)

# MEP CCO WEEKLY STATUS MEETING NO. 078

April 03, 2009 - 9:00 a.m.

**Attendees:**

| | | | |
|---|---|---|---|
| George Bou-Ghosn (CT) | Andrew Baumberger (TYLin) | Sandra Michelotti (CT) | Tom Ho (TYLin) |
| X Bill Shield (CT) | X Scott Fabel (CT) | X April Smith (CT) - Author | X Shamil (Sam) Patel (CT) |
| Grady Hart (CT) | James Dunbury (TYLin) | X Marvin Chandrawinata (CT) | Trish Snoops (BATA) |
| X Michael Travis (CT) | X Saeed Shahsavan (FB) | X Nick King (FB) | X Alex Bunn (BATA) |
| Hasan Kahan (FB) | X Ray Mingan (FB) | X Rob Feather (CT) | Rob Kobal (CT) |

**New Business:**

| Date | Issue | Action | Resolution |
|---|---|---|---|
| 3/26/2008 | 1 TARGET ISSUE SEQUENCE | | New sequence of CCO's: 55, 61, 70, 75 & 79<br>Unsequenced include: 73, 81, 83, 85 & 94 — OK |
| 2/6/2009 | 4 CCO 4251 - Underground Duct Bank Sections | FB to verify grades and drawing details. CT surveyor to shoot top of W2 wall & invert of Blockout. | |
| 4/3/2009 | 5 CCO 95 - Handrail Grating Detail | Detail on SAS is different from that on the Skyway. Bill to confirm if SAS should match Skyway with Halfstitch. | |

## CCO STATUS

| CCO / CCR NO. | DESCRIPTION | MTG DATE | ACTIONS | CRM DATE | PRIORITY | DUE DATE | BIC |
|---|---|---|---|---|---|---|---|
| 55 | **Service Platform Electrical Changes** | | | | | | |
| | CCR 53 & RFIs 317R0, R1, R2, R3, 451R1, 474R0, 726R0, 1225R0, 1554, 1650 & SUBs 614, 608, 759, 909, Spec. Change | 3/20/09 | FB Draft V.4 due date is 4/1/09. | 2/10/2007 | B | 4/1/09 | CT |
| | | 3/27/09 | FB Draft V.4 due date is 4/3/09. | | | 4/3/09 | |
| | | 4/3/09 | FB Draft V.4 under review by CT. Review will be complete by 4/10/09. | | | 4/10/09 | |
| | | | CT Review Done - V5 from FB | | | ? | |
| 59 | **Additional OBG Penetrations** | | | | | | |
| | RFIs 834R0, R1, 1670, SUB 952 | 12/5/08 | Scott to provide an update 12/12/08. | 11/14/2008 | A | 12/12/08 | CT |
| | | 12/12/08 | CT is pursuing ABF to get an ETA for the price matrix from ZPMC. | | | | |
| | | 1/30/09 | Evaluating ZPMC Price Matrix. Considering inclusion in the Global Change. | | | | |
| | | 2/6/09 | Sent questions to Sam Choy regarding the Matrix. The Matrix is incomplete. | | | | OK |
| 61 | **Electrical Warning Systems** | | | | | | |
| | CCRs 32, 46 & RFIs 402, 873R0, 1334R0 & R1, 1404R3 & SUB 171, Spec. Change | 1/20/09 | FB Draft V.4 due date is 4/1/09. | TBD | B | 4/1/09 | FB |
| | | 3/27/09 | FB Draft V.4 due date is 5/1/09. | | | 5/1/09 | |
| | CCR 46 - Additional Fog Detection System, Fog Bell, Horn per USCG<br>CCR 32 - USCG Requirements for Lighting. Changes to NAV Lights NV 1 | | | | | | OK |
| 68 | **Additional Tower Penetrations** | | | | | | |
| | RFIs 1029R0, R2, R3 | 12/5/08 | Scott to provide an update 12/12/08. | 11/14/2008 | A | 12/12/08 | CT |
| | | 12/12/08 | CT is pursuing ABF to get an ETA for the price matrix from ZPMC. | | | | |
| | | 1/30/09 | Evaluating ZPMC Price Matrix. Considering inclusion in the Global Change. | | | | |
| | | 2/6/09 | Sent questions to Sam Choy regarding the Matrix. The Matrix is incomplete. | | | | OK |
| 70 | **Tower Utility Panels** | | | | | | |
| | CCR 42 & RFIs 1134R0, 706R0, 707R1 - R4, Spec. Change | 2/6/09 | FB to provide ETA on 2/20/09. | TBD | A | 2/20/09 | FB |
| | CCR 42 - Tower Utility Panel changes, including panels, transformers, circuit breakers | 2/20/09 | FB Draft V.3 due date is 5/1/09. | | | 5/1/09 | OK |
| 73 | **Bike Path Conduit** | | | | | | |
| | RFI 969R0, R1, Spec. Change | 10/10/08 | FB Draft Due Date is 01/2009. | TBD | C | 1/1/09 | FB |
| | Unsightly conduit on Skyway & SAS | 10/24/08 | FB Draft V.1 Due Date is 01/2010. | | | 1/1/10 | OK |
| 75 | **Electrical Grounding** | | | | | | |
| | CCR 58, RFI 1462R0 | 2/20/09 | FB Draft V.2 due date is 05/01/09. | TBD | C | 5/1/09 | FB |
| | | 4/3/09 | FB Draft V.2 due date is 06/01/09. | | | 6/1/09 | OK |
| 79 | **Tower Base MEP** | | | | | | |
| | CCR 43 | 2/27/09 | FB Draft V.2 due date on 06/01/09. | TBD | C | 6/1/09 | FB |
| | CCR 43 - Tower interior design issued at 3.9m, lighting illumination deficiency & grating for sump pump | | | | | | OK |
| 81 | **TOS Modification** | | | | | | |
| | RFI 1133R0 | 1/9/09 | FB Draft V.1 due date is 06/30/09. Stop Work Order for the procurement of SCADA to be issued. | TBD | C | 6/30/09 | FB |
| | Relocation of TOS cameras at 144.165m to include new locations and new camera. | 1/16/09 | FB Draft V.1 due date is 06/30/09. | | | | |
| | | 1/30/09 | Bill to email FB direction to include SCADA changes. | | | | |
| | | 2/20/09 | FB Draft V.1 due date is 06/30/09. | | | 6/30/09 | |
| | SCADA changes | | | | | | OK |
| 83 | **Miscellaneous Mechanical** | | | | | | |
| | RFIs 738, 1219, 1471, 1404R3 & CCR 80, Spec. Change | 3/20/09 | TYLin to submit 4 shts on 3/27/09. FB Draft V.1 due date is 3/31/09. | TBD | C | 3/27/09 | CT TYLin |
| | | 3/27/09 | TYLin to submit 4 shts on 3/31/09. FB Draft V.1 due date is 3/31/09. | | | 3/31/09 | |
| | | 4/3/09 | TYLin to submit 4 shts on 4/3/09. FB Draft V.1 is under review by CT - Rob. | | | 4/3/09 | |
| | | | FB V2 - 5/1/09 | | | | |
| 85 | **Elevator Details** | | | | | | |
| | RFIs 534, 734R1, R2, 994, 1161R0 & SUB 235R0, Spec. Change | 3/27/09 | Meeting re scheduled for 04/01/09. | TBD | B | 4/1/09 | TYLin CT |
| | RFI 536 - Options of SP 10.4.05 | | Meeting scheduled for 04/22/09. Action Items from Previous Meeting:<br><br>1. Give to email Ken a confirmation to eliminate VAB machine from Larry McPeak.<br>2. Give will finish the cab design by 4/10/09.<br>3. DJV will finish the CCO plans by 4/17/09.<br>4. Jim Meyer to confirm if the DJV can sign off the base bar design for submission to DOSH.<br>5. Steve to complete FAA Form 7460-1.<br>6. ABF to send Give's current schematic cab design to Mid American Elevator and find out what information is needed to produce the shop drawings.<br>7. Does ABF need the Department's stop order for producing the shop drawings?<br>8. What items have to be included in the submittal package to DOSH? | | | 4/22/09 | |
| | SUB 235R0 - Elevator Layouts, Electrical Schematics, and Hoist Calculations | 4/3/09 | | | | | |
| 94 | **Bridge Painting & Misc.** | | | | | | |
| | RFIs 226R0, 447R1, 775R0, 1364R0, Spec. Change | 2/27/09 | April working with Jeff Oramps to confirm which changes in the matrix affect ZPMC fabrication. | TBD | C | | CT |
| | Railings, cable handrails, platforms & misc. visible items | | | | | | |
| 110 | **MEP Integration Work** | | | | | | |
| | | 3/6/09 | Final FB Package due date is 1/2010. FB 65% package is under CT review. | TBD | C | | CT |
| | | 3/20/09 | Final FB Package due date is 1/2010. FB 65% package is under CT review. Require Sean & Behnad reviews. | | | | |

## CCR STATUS

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 31 | **East Span Light Poles & Luminaires** | | | | | | |
| | RFIs 159R0, R1 | 3/20/09 | Saeed traveling to Dallas to inspect pole progress. | | | | |
| | | 4/3/09 | Light poles to be delivered in July. | | | | |
| 81 | **Concrete Luminaire Support with Conduit Routing** | | | | | | |
| | Plan Sheet | 3/20/09 | FB working on detail. To submit by 04/15/09. | | | 4/15/09 | FB |
| | | 4/3/09 | FB working on detail. To submit by 04/22/09. | | | 4/22/09 | |
| 82 | **Disconnect for Tower Head Dehumidifier** | | | | | | |
| | | 3/20/09 | Significant cost difference if reduce the size of conductors & circuit breaker? A meeting is scheduled tentatively for 04/09/09. Nick to confirm & send invitation. | | | 4/9/09 | FB |

Rob - Nick / FB

Rob - TYLin

Ask Andrew (TYLIN) about status /scope of CCO #114 Safety Railing Changes

Talked to Ander after the meeting about CCO #114 - He indicated that he did not get and direction from Caltrans yet.