



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

ENGINEER'S DAILY REPORT

LAN Engineering Consultant

SL 3/31/2009

REPORT NO.	DATE	
832 {7-day} { + 210 Project Work Day}	March 24, 2009	M T W T F S S (DAY)
NORMAL WORK HOUR:	WEATHER:	
START: 6:00AM STOP: 3:30PM	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 Pre-Team MEP Meeting (Caltrans – Designers).
 - Meeting changed to 10:00 AM since the MEP meeting with contractor was cancelled for this week.
- ❖ MEP Meeting (Caltrans – Designers - ~~Contractor~~).
 - The following items were covered in the MEP Meeting @ 10:00 AM:
 - Discussion about Submittals 909R1 and 739R3 and the fact that changes are made again on the shop drawings that are different then what was submitted in an ATP Letter with sheets from CCO #55. Discuss the procedure to either process CCO#55 or another ATP to cover the changes in the submittals.
 - New member from the PB design group (Syn Ye Chin) was at the meeting. She will be helping in design but will be coming over to Pier 7 later to work with Nick King.
 - Told Saeed that I received the submittals for the poles but have not gotten a chance to review. Low priority for me. Asked if the poles will be crash tested since they are custom.
 - Discussed the Manholes for location and elevation information check. PB indicated that had finished review but will change plans to clarify the details on the plans. Discussed where this might take place and I suggested CCO #75 since the grounding has issues around the W2 footings.
 - Attached is a copy of the agenda with my comments. See attachment # 1.
- ❖ Submittals 739R2 & 909R1 PB Service Platforms / Pull Box Platform - Meeting Dealing with the Shop Submittals and how to handle those (Caltrans – PB Designers) Afternoon:
 - Met with Bill Shedd, Sam Patel and Sandra Michelotti about the service/ pull box platforms and how to proceed in processing them and the design alternatives. Nick King came in the meeting to discuss the process and possible alternatives.
 - I expressed my views on how things can be possible changed to resolve all the conflicts that exist in the present design plans. I explained that I had discussed the issues with Ray Morgan earlier this afternoon since he came to my office to discuss the issues.

REC'D 09 APR 03 #009199

46.02



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- o In discussing all the issues that need to be address it became evident that the issues on how maintenance is to access and maintain the equipment were not a concern to Nick King (PB). He indicated that the pull boxes were only accessed during construction and very seldom if at all by maintenance. He left the meeting indicating that he would rather work on something productive.

NOTE: Since there is spare conduit running through the pull boxes and all the other conduits have large capacity left for future addition it would seem logical that there will be more than a few accesses to these pull boxes. Also the flex conduit that enter connect the boxes will have to be replaced / repaired which could requiring re-pulling of cables meaning more access to these boxes. In my opinion this is a very important issue and should not be considered a non-productive avenue to pursue. This is the only point of feed to the tower structures and will be utilized many times during the life of the structure so why not design it for proper access and maintainability.

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

0545-1600 @ Office / Time sheet total 8 hours regular

Attachments:

1. MEP Meeting Agenda / Comments.

SIGNATURE

Name

Michael F. Travis

TITLE

Electrical Engineer – LAN Engineering



Cindy
John
SAN FRANCISCO OAKLAND BAY BRIDGE
EAST SPAN SEISMIC RETROFIT SAFETY PROJECT
SELF- ANCHORED SUSPENSION BRIDGE

WEEKLY MEP ACTIONS
March 24, 2009
PIER 7, WDC

1. RFI

1.1

Pending MEP RFI's.

- RFI 1616 Propose to Waive the "Hinge Railing" on the Crossbeams This RFI still needs to be evaluated for a CCO (No.1, 2, 3, or 4). Chris Bausone will talk to Sam Choy about having the OBG and Contracts group evaluate this RFI for CCO needs

2. SUBMITTALS

2.1

Shop Drawings

- Submittal 695R1 Traveler Scaffolds - E2/E3 Bikepath The Department is reviewing. Alex Schmitt is the Resp. Engineer and the target date is 3/20/09.
- Submittal 751R1 WB Traveler Shop Drawing The Department is reviewing Alex Schmitt is the Resp. Engineer and the target date is 3/20/09.
- Submittal 759R2 OBG Shop Drawings [CTS] Cable Tray Support Details The Department has responded.
- Submittal 909R1 Shop Drawings Architectural Structure Pull Box Support near the Tower The Department is reviewing Martin Chandrawinata is the Resp. Engineer and the target date is 3/25/09.

2.2

- 739R2 -> ATP/CCO SS

Changes are being made in the shop drawings that are changing the contract drawings. This issues needs to be discussed.

Working Drawings

- Submittal 781R1 Traveler Scaffolds [SAS-EB] Structural Plan & Details The Department is reviewing. Alex Schmitt is the Resp. Engineer and the target date is 3/20/09.
- Submittal 854R1 Traveler Scaffolds [E2/E3-EB] Structural Plans & Details The Department is reviewing. Alex Schmitt is the Resp. Engineer and the target date is 3/27/09.
- Submittal 856R1 Traveler Scaffolds [E2/E3-WB] Structural Plans & Details The Department is reviewing. Alex Schmitt is the Resp. Engineer and the target date is 3/27/09.

3. CCO'S

3.1

Sequence of CCO's: 55, 61, 70

- CCO 55 - Service Platform Electrical PB is incorporating the Departments comments.
- CCO 61 - Electrical Warning System PB is incorporating the Departments comments.
- CCO 70 - Tower Utility Panels PB is incorporating the Departments comments.

3.2

CCO's Awaiting Pricing

- CCO 31 Mechanical Modifications.
- CCO 42 Electrical Modifications.
- CCO 43 - Lighting Revisions.
- CCO 42S1 Cable Tray Changes.

Tole Saeed that I will be reviewing the submittal for the roadway poles when I get a chance. Also asked if one of the poles will be crash tested. It was indicated that ist is not required. Ponited out that the SAS cable fixures are required to be the same as the pole fixtures.

Asked about Poles - Crash Testing?

- CCO 44 Barrier Modifications.
- CCO 72 Cable Electrical.
- CCO 74 Strong Motion System.
- CCO 99 - Bike Path Details.

3.3 All other CCO's and their current action

- CCO 59 - Additional OBG Penetrations The Department is updating the penetration worksheet and awaiting ABF Pricing
- CCO 68 - Additional Tower Penetrations The Department is updating the penetration worksheet and awaiting ABF Pricing
- CCO 73 - Bike Path Conduit Conduit routing plan sheets will be developed by PB.
- CCO 75 - Electrical Grounding PB is incorporating the Departments comments.
- CCO 79 - Tower Base MEP (Lighting inside the tower base) PB is incorporating the Departments comments.
- CCO 81 - TOS Modification PB is developing the scope.
- CCO 83 - Miscellaneous Mechanical This CCO is being developed with recent mechanical information not included in CCO 31.
- CCO 85 - Elevator Details The Department will rescheduled a meeting (TBD) with ABF, TYLin/JV and DOSH to discuss the scope of this CCO, and a possible elevator stop within the fourth lift.
- CCO 94 - Bridge Painting & Misc. Items The Department is meeting with ABF to verify that the misc, items list is not including items being painted by ZPMC

3.4 ATP's for CCO's
None

3.5 New CCR's (future CCO)

- CCR 82 Disconnect for Tower Head Dehumidifier Department CRM scheduled for April 9th.

4. LETTERS

4.1 MEP Letters sent to the Contractor
None

5. MISCELLANEOUS

5.1 Other MEP Issues

- PB is investigating the depth of electrical manholes and duct banks at W2.
- Bill Shedd and Chris Bausone were chosen by project directors to research the MEP (Opportunity Partnering Schedule). The group met last week for information sharing.
- The Department is investigating Ladders and Railings for Safety Requirements.
- The Contractor anticipates Bleyco's material notice for cable trays soon.
- The Contractor anticipates FWS submittals for the Dehumidification Unit, the WQCP, and Piping Supports.

Model - Tracy - Brady
Cole
Review

3D Model work was discussed and who will be the contact person. - Brady leaving / Keven contact person.