



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

ENGINEER'S DAILY REPORT

LAN Engineering Consultant

EL 4/13/09

REPORT NO.	DATE	
846 {7-day} { + 210 Project Work Day}	April 07, 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 was held and the following issues were discussed:
 - Submittal 909R1 – responded to by PB but issues still exist.
 - Submittal 915 still having issues with ABF/TYLIN/Caltrans/PB comments.
 - Submittal 708R5 Rob is to talk to Bob.
 - Submittal 739R2 Service Platform – still has several issues that need to be resolved by PB. Shop Drawings need to be checked and coordinated.
 - CCO # 55 has been submitted and needs to be reviewed and processed.

❖ **MEP Team Staff Meeting**

- Meeting was held and the following issues were discussed:
 - Rescheduling of the Team China Teleconference per Gina’s request of Thursday April 16, 4:30 PM Oakland Time.
 - First shipment from China of SAS parts guess.
 - Grady’s condition and when he will be returning.

❖ **MEP Meeting (Caltrans – Designers - Contractor).**

- The meeting was held with the following items discussed:
 - Cable tray procurement will be changing to B-Line. The submittals will be coming soon.
 - Submittal 915 Barrier Rail review processing? Soon.
 - Ladders and railing changes status.
 - Service platform and equipment racks. CCO #55 submitted by PB. The shop drawings are still being reviewed Sub 739R2.
 - Painting/Delivery of ductile iron pipe. Possible date is April 17, 2009 tentatively.
 - Traveler submittals and change order – Reviewing with return soon.
 - 3D Modeling by PB – Meeting set up by PB to discuss scope/coordination.
 - Elevator status: Clive Design 4-10 / TYLin Design 4-17. (No VAB / No elevator?)

❖ **Pull Box A, B, C & D issue meeting with contractor / sub-contractor.**

- Nick King walked through the issues and why PB designed the two platforms and cable loop design the way it was in the contract plans.
- The issues about the pull boxes and that fact that there is insufficient information to order and provide the boxes were brought up from the electrical subcontractor.

REC'D 09 APR 13 #009245



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April 07, 2009

M T W T F S S (DAY)

- I presented the research that I did about finding a company that can provide the custom boxes. Two of the three companies that were listed in the specifications emailed me back indicating that they can fabricate the boxes. There were some exclusion to the Hoffman manufacturer but they gave a price quote for the four boxes.
- Since that research was not completed to the point the boxes were acceptable for final purchase there was still doubt from the electrical subcontractor that the boxes can be acquired without additional design involved.
- An agreement was made that the boxes will be preliminary submitted by the electrical subcontractor with areas in question to be responded to by the designer-PB.

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. Pre MEP Meeting notes
2. MEP Meeting notes
3. Email to reschedule Team China Teleconference.
4. Email to the contractor about Pull Box information from Manufacturers.
5. Email response about pull box fabrication.

SIGNATURE

Name

Michael F. Travis

TITLE

Electrical Engineer – LAN Engineering



Martin Chandrawinata /D04/Caltrans/ CAGov
03/30/2009 03:13 PM

To Bill Shedd/D04/Caltrans/CAGov@DOT, Grady Hart/HQ/Caltrans/CAGov@DOT, Michael Travis/HQ/Caltrans/CAGov@DOT, Sandra kingn@pbworld.com, Saeed Shahmirzai/D04/Caltrans/CAGov@DOT, tho@tylin.com, cbausone@abfjv.com, syeager@abfjv.com
bcc

Subject No MEP Mtg Tuesday 3/31/09

This update was used in our Pre-MEP Meeting as a reference to the outstanding issues that will be discussed in the MEP Meeting.

MEP Team,

Per discussion with Chris Bausone this morning, it was decided that we will not have a meeting tomorrow because some of us will not be here tomorrow and Chris has a doctor's appointment as well. Meeting will resume next Tuesday 4/7/09.

Some updates on MEP progress:

1. Outstanding MEP/OBG RFI is RFI1618R2 - Cable Tray Support Components. Due date 3/30/09.

res posted 4/11

2. Outstanding MEP submittal:

- a. SUB909R1 - Architectural Structure Pull Boxes. Target return date 4/10/09. *This wk.*
- b. Revised response to SUB915 - OBG Steel Barrier Lift 1-6. *still outstanding*

3. ABF/FWS are working on the following submittals:

- a. WQCP for the pipe support
- b. Pipe Support detail drawings
- c. Pipe Support Layout Plan

4. ABF indicated that the Ductile Iron pipes will be delivered soon (no confirmed date yet)

5. Outstanding Travellers & Bikepath submittals:

- a. SUB708R5 - Bikepath Panel Details - due date 3/20/09 *- Bob talk to Bob*
- b. SUB739R2 - Crossbeam Service Platform - due date 3/25/09 *Extension*
- c. SUB751R1 - WB Traveller Shop Drawings - due date 1/30/09
- d. SUB781R1 - Traveller Scaffolds SAS EB - Structural Plan & Details - due date 1/30/09 *outstanding*
- e. SUB854R1 - Traveller Scaffolds E2/E3 EB - Structural Plan & Details - due date 3/14/09
- f. SUB856R1 - Traveller Scaffolds E2/E3 WB - Structural Plan & Details - due date 3/14/09

6. CT and the designers are working on issuing CCO 55, 61, and 70.

CT PB

Regards,

Martin P. Chandrawinata
SAS Bridge Construction
Ph. 510-286-0535
www.baybridgeinfo.org

Consider the environment. Please don't print this e-mail unless you really need to.

Traveller 695R1 1/23/09

3-D Model

* Conduit Runs (no)
(CALTRAN WANTS?)

Clash Detection

Tracy White Scope/Coordination
Colo

TEAM MEP MEETING

Agenda for April 7, 2009, 10:00am
WDC Conference Room

ELEVATOR

- Eliminating VAB
- US ELEVATOR
- Clive Design → 4-10
- TY Line → 4-17

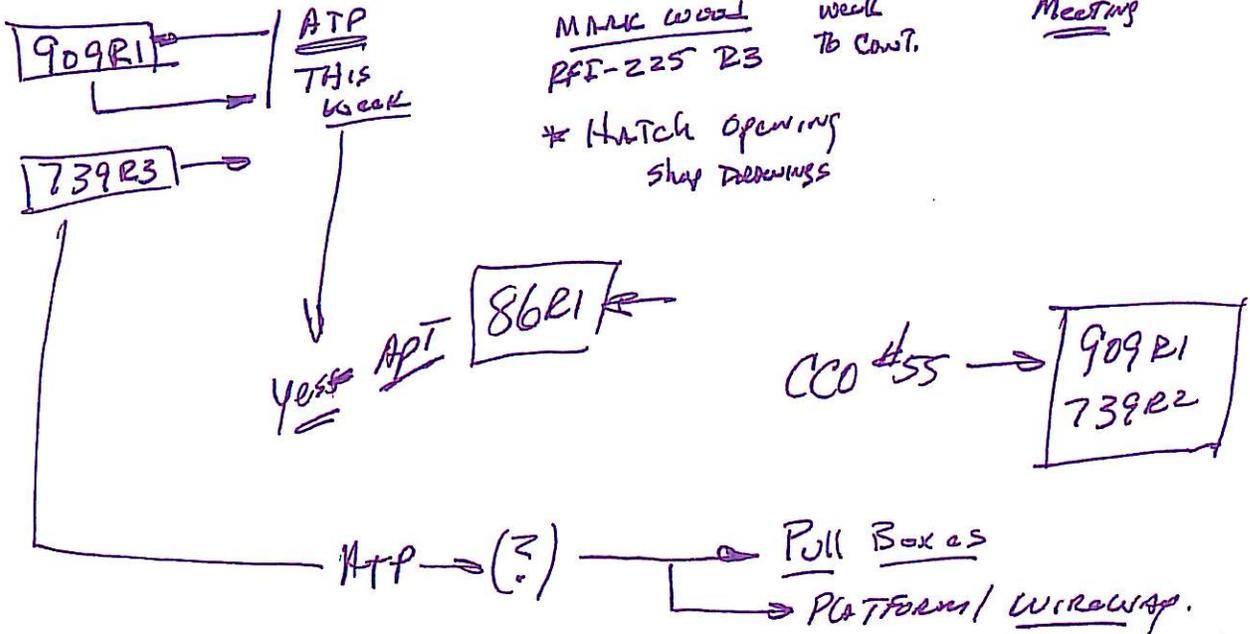
1. MISCELLANEOUS

- 1.1. Cable trays procurement and change of manufacturer B-Line
Re submittal
- 1.2. BARRIER DETAILING AND DRAWINGS REVIEW Asap - Abhis
- 1.3. Ladders & Railings Gang
TY Line
- 1.4. Service Platforms and Equipment Racks CCO #55
- 1.5. Painting/Delivery of ductile iron pipe 17th April Possible Delivery
- 1.6. Outstanding traveler submittals and change order

854R17 + weeks
695R15

Alex Checkin
Tower RFI 751 R1
781 R1
MARK wood
RFI-225 B3
This week to cont.

RFI - Railings
42" 3/5
+ 2
4/8
March 24
Meeting



* Hatch opening
Shop Drawings

53.8

1 of 1

Shop Drawings
Tower Grading opening
Shop Drawing - Holes/Supports
PB CCO #70

TOWER ATTACHED
FOR SWITCHES/
LIGHTS/CONDUIT
ANNA QUESTIONS



Michael
Travis/HQ/Caltrans/CAGov
04/07/2009 02:42 PM

To Gina Rizzardo/D04/Caltrans/CAGov@DOT
cc Bill Shedd/D04/Caltrans/CAGov@DOT, Martin
Chandrawinata/D04/Caltrans/CAGov@DOT,
Saeed_Shahmirzai@dot.ca.gov, KingN@PBworld.com,
bcc

Subject Re: MEP Meetings

Gina,

Sounds good for the reschedule to Thursday the 16th @ 4:30 PM Oakland Time.

Will talk to you then.

Michael Travis
SFOBB Construction Offices
Design Campus Building
375 Burma Road
Oakland Ca. 94607
Phone: 510-808-4618

Next Team Chine Teleconference meeting will take place on April 16 (Thursday) @ 4:30 PM Oakland time.

Gina Rizzardo/D04/Caltrans/CAGov



Gina
Rizzardo/D04/Caltrans/CAGov
04/06/2009 06:04 PM

To Michael Travis/HQ/Caltrans/CAGov@DOT, Martin
Chandrawinata/D04/Caltrans/CAGov@DOT, Bill
Shedd/D04/Caltrans/CAGov@DOT
cc

Subject MEP Meetings

All,

I misspoke during last week's MEP meeting concerning my travel plans. I will be out this Thursday the 9th through the following Thursday the 16th and so will miss two meeting in a row. I will return to Changxing Island on the 17th so if you would like to reschedule the MEP meeting for Friday the 17th at 7:30am my time, or Thursday the 16th 4:30pm your time then that works for me. Scott is also allegedly supposed to be here by then as well. Let me know.

Gina Rizzardo
Structures Construction
SF/OBB-SAS
136-1187-1856



Michael
Travis/HQ/Caltrans/CAGov
04/07/2009 12:44 PM

To cbausone@abfjv.com, alee@bleyco.com
cc Bill Shedd/D04/Caltrans/CAGov@DOT, SAS - Caltrans,
KingN@PBworld.com, GarciaR@pbworld.com
bcc
Subject SAS Pull Boxes A,B,C and D Fabrication Inquiry (
Specifications Listed Sources)

Anna, Chris,

Attached is a copy of the E-mail Inquiry that I made to the listed companies that are indicated in the contract specifications.
Also attached is the documentation that I sent them to used to determine if the boxes were capable of be fabricated from them.

Information Sent :  Box Fabrication MFT.pdf

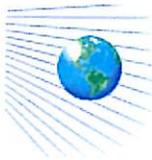
Hoffman E-Mail :  Email Hoffman.pdf

B-Line E-Mail:  Email B-Line.pdf

This information was brought up during the meeting today April 07, 2009. The electrical sub-contractor asked for a copy of the attached documents. I Emailed a set to the contractor and sub-contractor as requested.
MFT

As requested in the Meeting today April 7, 2009.

Michael Travis
SFOBB Construction Offices
Design Campus Building
375 Burma Road
Oakland Ca. 94607
Phone: 510-808-4618



Bill
Shedd/D04/Caltrans/CAGov
04/06/2009 03:49 PM

To Michael Travis/HQ/Caltrans/CAGov@DOT
cc
bcc
Subject Re: Pull Boxes A,B.C and D Fabrication Issue - Status Update from Michael Travis

Thanks, Mike.
Michael Travis/HQ/Caltrans/CAGov



Michael
Travis/HQ/Caltrans/CAGov
04/06/2009 02:36 PM

To Bill Shedd/D04/Caltrans/CAGov@DOT
cc Gary J Lai/D04/Caltrans/CAGov@DOT, SAS - Caltrans
Subject Pull Boxes A,B.C and D Fabrication Issue - Status Update from Michael Travis

Bill,

The following is the information that I have collect to date on the possibility of getting the Pull Boxes fabricated per the contract documents.

The Specifications gave three manufacturers or equal.

- 1) Hoffman
- 2) Chalfant
- 3) B-Line
- 4) I also sent a request to Milbank.

#1

Hoffman replied with a response indicating that they can fabricate the boxes per the specifications. They indicated the size shape and material was possible but reinforcement was excluded in the package.

#2

Chalfant does not fabricate pull boxes only Cable Trays.

#3

B-Line replied indicating that they could fabricate but deferred to a smaller local manufacturer.

#4

Milbank replied that they can make custom pull boxes so sent them the information but have not received anything back yet.

[attachment "Email Hoffman.pdf" deleted by Bill Shedd/D04/Caltrans/CAGov] [attachment "Chalfant Cable Trays.pdf" deleted by Bill Shedd/D04/Caltrans/CAGov] [attachment "Email B-Line.pdf" deleted by Bill Shedd/D04/Caltrans/CAGov] [attachment "Email Milbank.pdf" deleted by Bill Shedd/D04/Caltrans/CAGov]

Concluding Comments:

The special requirements for reinforcing and installing items that is not a standard type of modification makes it very difficult to fabricate.

Installing cable support hooks and reinforcing for added stresses on the boxes does not give complete criteria to insure proper fabrication.

I believe there should be more involved in the design intent of the boxes and all the stresses that are intended to be built into the boxes.

I do not believe cable restraint hooks should be installed on the box walls.

The loop in the conduits and the proper support of the conduits would prevent the cables from needing support in my opinion.

The stresses on the connection point of the conduits on the bottom of the boxes needs to be addressed more closely in my opinion.

I am busy with some other issues now so will not be able to work on this issues at this time. I believe I have found some sources for the boxes but there needs to be more information and research to come to a final conclusion. I will get back on this issue when I can but need to work on some higher priority items now.

Any questions or comments please let me know.

Michael Travis
SFOBB Construction Offices
Design Campus Building
375 Burma Road
Oakland Ca. 94607
Phone: 510-808-4618

This E-mail was sent yesterday to update the status of the research that I was performing on the pull boxes indicated. The research was not completed to the point the boxes can be ordered with all requirements indicated on the plans and specifications.

In my opinion clarification of all the requirements for these boxes needs to be made by the designer. I do not feel everyone is interpreting the plans and specification to the extent that a custom pull box can be ordered and supplied. Some of the clarification was made earlier but there seems to be still some issues as to the design of the boxes.

added note 4.7.2009MFT