



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

**ENGINEER'S DAILY REPORT**

LAN Engineering Consultant

*SL* 3/31/2009

REPORT NO. 833 {7-day} { + 210 Project Work Day}	DATE March 25, 2009	M T <b>W</b> 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:**

❖ **Submittals 739R2 & 909R1 PB Service Platforms / Pull Box Platform :**

- Nick King came by my office this morning to indicating that he was sorry about leaving the meeting early yesterday . He indicated that he had talked to Gary Lai about the two submittals and will be processing them today.
- Nick asked for the people involved to send an email about the two submittals. I indicated that Martin Chandrawinata is responsible for processing Submittal 909R1 and Alex Schmitt is responsible for submittal 739R2. Also Scott Fabel or George Boughosn is responsible for processing CCO/ATP. See attachment #1.
- Responded to Nick Kings email by sending my comments to Bill Shedd and Gary Lai. See attachment #1.

❖ **Teleconference with Team China. (Team Oakland / Team China) 4:30 PM.**

- Sent out an agenda for this evenings teleconference to all parties concerned. See attachment #2.
- Teleconference Call took place @ 4:30 PM Oakland Time with discussion about the status of the fabrication in China. A copy of the minutes of the meeting was developed and sent out to the listed people on the agenda. See attachment #3.
- Team China Photos taken by Gina Rizzardo on March 20 attached . See attachment #4.

❖ **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.

❖ **MEP Meeting Recap for this week – Email from Grady Hart.**

- Grady sent out the MEP Meeting Action Item agenda – Update. (Recap). See attachment #5.

REC'D 09 APR 03 10:52:00

46.02



Attachment #1 (1/2)

**Mike Travis**

**From:** Mike Travis **Sent:** Wed 3/25/2009 1:08 PM  
**To:** Bill Shedd; Gary J Lai  
**Cc:** Martin Chandrawinata [Martin\_Chandrawinata@dot.ca.gov]  
**Subject:** RE: Submittals 909R1 and 739R2  
**Attachments:**

Bill,

If the standard practice is used as indicated in Nick's E-Mail the following in my opinion should be noted:

The two individuals handling these submittals are Martin for submittal 909R1 and Alex for 739R2. They should have or be familiar with the changes to the shop drawings that are not in the contract documents at this time. Either having draft copies of the plans that pertain to the changes or a CCO/ATP package that will be processed to determine the changes are correct. When the shop drawings go out we will have to track the changes within the CCO by the CCR by the designer since the changes are not reflected anywhere else in the system (RFI, etc.). We need to make sure the changes are integrated in the contract sheets reflecting all the shop drawing changes.

**Michael Travis**

Electrical/Structural Construction Engineer

**Lim And Nascimento Eng. Corp.**

Department of Transportation  
 SAS Construction Office  
 333 Burma Road  
 Oakland, California 94607  
 510-808-4618 Office  
 916.919.7158 cell

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**From:** King, Nick [mailto:KingN@pbworld.com]

**Sent:** Wed 3/25/2009 9:18 AM

**To:** Bill Shedd; Mike Travis; Sandra Michelotti; Sharad Patel; Scott Fabel; Alex Schmitt; George Boughosn; Martin Chandrawinata

**Cc:** Sanei, Abdi; Shahmirzai, Saeed; Garcia, Rocky; Benkovich, Gregory; gary\_j\_lai@dot.ca.gov

**Subject:** Submittals 909R1 and 739R2

Ladies and Gentlemen,

Submittals 909R1 and 739R2 both have a response deadline of today.

Some of you are aware that the review of these submittals is driving some design changes which will be included in CCO 55. PB understands that protocols on this project require that when submittal response describe design changes, but said changes are reflected in CCO's that have *not been finalized and transmitted to the Contractor*, the submittal responses have been accompanied by "ATP's" with drafts of amended plan sheets.

That is very wordy – I know. To put it another way, when we redline something that deviates from or calls for something not included in the plans that the Contractor already has, we have attached the pertinent (draft) plan sheets from the pending CCO to the redlines.

I had a conversation with Gary Lai this morning, who apprised me that ABF in fact no longer insists on this practice. Since the comments for Submittal 909R1 are complete, assuming there are no objections from the MEP group, we will respond to it today. It is likely that we will have complete comments for Submittal 739R2 as well. Please let me know if you have any thoughts on this.

Nick King

Attachment #1 (2/2)

PB

Office: 510 808 4610

Cell: 415 412 0821

[kingn@pbworld.com](mailto:kingn@pbworld.com)

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**Project Description: SAS SFOBB Project****EA #: 04-0120F4****Attendees:****Attachment #2 (1/1)**

**Team Oakland:**       Michael Travis               Don Ross               Sandy Michelotti  
                                  Grady Hart                       Tom Ho                       Martin Chandrawinata  
                                  Saeed Shahmirzai               Nick King                       Bill Shedd

**Team China:**               Gina Rizzardo (011-86-136-1187-1856)

**TOD Complete:**         Scott Kennedy (011-86-150-2131-3938)  
                                  Ken Lee (011-86-158-2142-2546)

**Communication Channels:**

- o Gmail Account (working) : Account ID: [mep.china@gmail.com](mailto:mep.china@gmail.com)
- o FTP site working
- o Yahoo Messenger

**Agenda:**

- **Equipment Requested by Team China:**
  - o Hart Hats, Safety Glasses (Regular & Tinted) and surveyor's vests.
- **Paint Shop Status:**
  - o Last Week : Segment 3AE and Segment 4AE in Paint shop. Painted: 3BE, 4AW, 4BW, 5AE.
  - o This Week :
  - o Last Week : Segment 5AW Blasting
  - o This Week :
- **MEP Penetrations / Issues:**
  - o Last Week: OBG - Status of RFI 1670. ZPMC proceeding with repair per RFI 1670 response.
  - o This Week :
  - o Last Week : Tower - no problems
  - o This Week :
- **MEP Master Charts:**
  - o Mike working on updating the OBG Lift Charts with updated inventory list sent this week.
- **Tower fabrication status:**
  - o Last Week : Lift 2 diaphragms being fit to skin plate, Skin plate butt welding.
  - o This Week :
- **OBG fabrication status:**
  - o Last Week : Shop 13: 1BE-2BE, 1BW-2BW; Shop 14: 6AW-7EW, 6AE-7CE; Shop 2: 1AW-IAE, 1AAW-1AAE; Bay 19: Crossbeam 3; Bay 3: Crossbeam 2; Bay 1: Crossbeam 1.
  - o This Week:
- **Teleconference schedule:**
  - o The next scheduled call will be on April 01, 2009.

Project Description: SAS SFOBB Project

EA #: 04-0120F4

## Attendees:

Attachment #3 (1/1)

Team Oakland:  Michael Travis  Don Ross  Sandy Michelotti  
 Grady Hart  Tom Ho  Martin Chandrawinata  
 Saeed Shahmirzai  Nick King  Bill Shedd

Team China:  Gina Rizzardo (011-86-136-1187-1856)

TOD Complete:  Scott Kennedy (011-86-150-2131-3938)  
 Ken Lee (011-86-158-2142-2546)

## Communication Channels:

- o Gmail Account (working): Account ID: [mep.china@gmail.com](mailto:mep.china@gmail.com)
- o FTP site working
- o Yahoo Messenger

## Agenda:

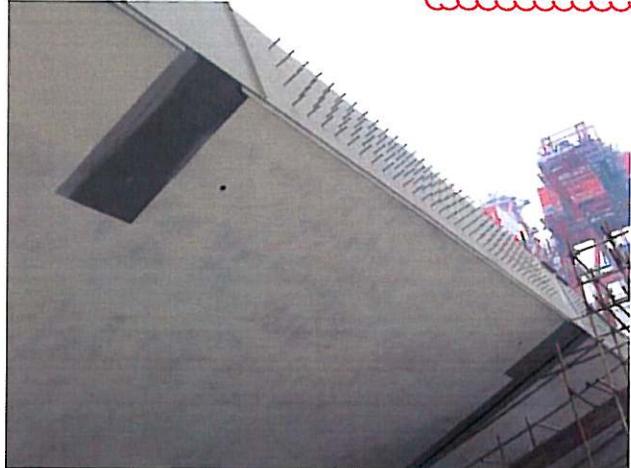
- **Equipment Requested by Team China:**
  - o Hart Hats, Safety Glasses (Regular & Tinted), Work Gloves and surveyor's vests.
- **Paint Shop Status:**
  - o This Week : Nothing in Paint shop.  
Painted: 3AE, 3BE, 4AW, 4AE, 4BW, 5AE.
  - o This Week : Segment 3AE to fit assembly area and Segment 1BE to blast shop.
- **MEP Penetrations / Issues:**
  - o This Week: OBG - Status of RFI 1670. ZPMC proceeding with repair Gina to send photos.
  - o This Week: Tower - no problems
- **MEP Master Charts:**
  - o Mike working on updating the OBG Lift Charts with updated inventory list sent this week.
- **Tower fabrication status:**
  - o This Week : Lift 2 N,W diaphragms being fit to skin plate.  
Lift 3 S,E Stiffeners being installed on skin plate "A".
  - o Tower lifts will be only fitted outside in the vertical position. Welding will be done in the horizontal position in the shop.
- **OBG fabrication status:**
  - o This Week: Shop 13: 1BE-2BE, 1BW-2BW; Shop 14: 6AW-7EW, 6AE-7CE; Shop 2: 1AW-1AE, 1AAW-1AAE; Bay 19: Crossbeam 3; Bay 3: Crossbeam 2; Bay 1: Crossbeam 1.
- **Teleconference schedule:**
  - o The next scheduled call will be on April 01, 2009.

Team China Fabrication Photos - Taken By Gina Rizzardo

Attachment #4 (1/1)



**4AW - DP 35**



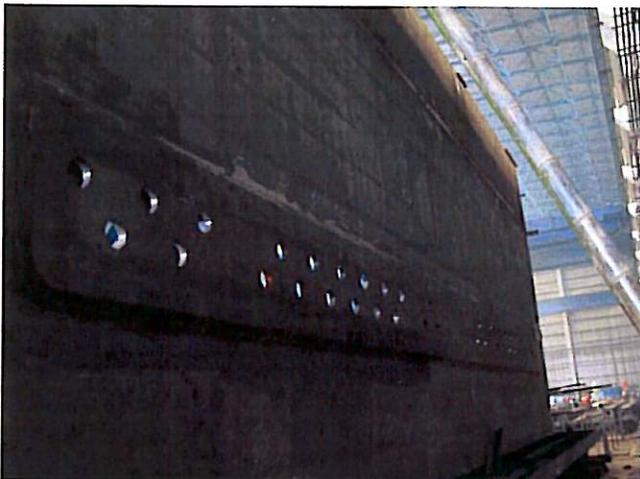
**4BW - SP 4**



**A 29**



**LIFT 3 - SOUTH - SKIN A**



**CB 04 - SP 209**



**4BE - SP 67**



Grady  
Hart/HQ/Caltrans/CAGov  
03/25/2009 01:54 PM

To MEP ACTIONS MEETING  
cc  
bcc  
Subject MEP Actions

Here is the update of current MEP Actions (most recent changes typed in blue).



MEP Actions Review 32409.doc

Grady Hart  
Office Engineer  
California Department of Transportation  
San Francisco-Oakland Bay Bridge, SAS Project  
333 Burma Road, Oakland, Ca 94607  
Office (510) 286-0477 Cell (510) 867-6123



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

WEEKLY MEP ACTIONS Review  
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 groups 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 3/27/09.
- Submittal 739R2 OBG - Shop Drawings [SP] - Crossbeam Service Platform The Department is reviewing. Alex Schmitt is the Resp. Engineer and the target date is 3/27/09.
- Submittal 751R1 WB Traveler Shop Drawing The Department is reviewing Alex Schmitt is the Resp. Engineer and the target date is 3/27/09.
- 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 4/10/09. A time extension will be requested in order to review two different Pull Box Support options.

2.2

**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 3/27/09.
- 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 4/02/09.
- 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 4/02/09. A time extension will be requested in order to review the redesign of rack connections.

3. CCO'S

3.1

**Sequence of CCO's: 55, 61, 70**

- CCO 55 - Service Platform Electrical PB is incorporating the Departments comments, after which a CRM with the Contractor will be requested.
- CCO 61 - Electrical Warning System PB is incorporating the Departments comments, after which a CRM with the Contractor will be requested.
- 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.
- 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
- CCO 110 MEP Integration Work PB is developing the scope.

3.4

**ATP's for CCO's**

None

3.5

**New CCR's (future CCO)**

- CCR 31 East Span Light Poles & Luminaries Items in this CCR will be State furnished.
- CCR 81 Concrete Luminaries Conduit Routing Plan sheet 905 will be updated.
- CCR 82 Disconnect for Tower Head Dehumidifier Department CRM scheduled for April 9<sup>th</sup>.

**4. LETTERS**

4.1 **MEP Letters sent to the Contractor**  
None

**5. MISCELLANEOUS**

5.1 **Other MEP Issues**

- The Department is investigating the depth of the electrical manholes and duct banks at W2. Plan Sheet 106R1 will be updated and included in CCO 75.
- 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.
- PBS 3-D modeling of schematic MEP components is continuing.