



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

ENGINEER'S DAILY REPORT

LAN Engineering Consultant

G. Lai 3/4/2009

REPORT NO.	DATE	
807 {7-day} { + 210 Project Work Day}	February 27, 2009	M T W T F S S (DAY)
NORMAL WORK HOUR:	WEATHER:	
START: 6:00AM STOP: 3:30PM	CLOUDY SHOWERS / SUNNY	
LOCATION :		
Construction Field Office :	333 Burma Road, Oakland 94607	
Working Drawing Campus Office :	375 Burma Road, Oakland 94607	

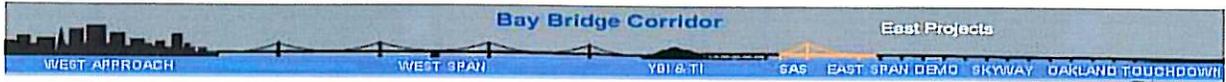
04-SF-80-13.2/13.9
 Contract No. 04-0120F4
 {SAS Superstructure}

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.
 - Cover all the issues pertaining to the development of new CCO's or effecting the existing CCO's such as RFI's and other issues requested by Caltrans or designers.
 - Attached is a copy of the previous meeting minutes and added issues that were brought up in this meeting.
- ❖ **Submittal 915 Barrier Rail MEP Issues.**
 - Discussed the results of my review of Submittal 915 and meeting with Chris Bausone with PB (Ray Morgan). Coordinated the size and location of the holes for the barrier receptacles with Ray.
 - Posted the review relines with my comments in the PMIV folder for Submittal 915.
 - Awaiting the design relines from PB to be placed in the PMIV folder for processing the update to this submittal.
- ❖ **MEP Actions Meeting Minutes.**
 - Received an email from Grady Hart with the updates to the MEP actions meeting issues. Attached is a copy of the minutes to the meeting which was held on February 24, 2009.
- ❖ **Contract Plan Sheet # 271 in CCO # 55, 61, and 70 – Electrical Pull Boxes.**
 - Received a meeting invitation for discussions pertaining to the Contract Sheet # 271 and the Electrical Pull Boxes located at Elevation 53.85. There seems to be issues with the fabrication of these boxes and the continual updating of this sheet in several CCO's. Attached is a copy of the invitation to this meeting on March 03, 2009 @ 10:00 AM.
- ❖ **SAS Opportunity Partnering Schedule (OPS) Work.**
 - I am continuing to work on the schedules and develop questions and options to minimize the electrical work from impacting the critical path of the project.

REC'D 09 MAR 16 10:09:58



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❖ **OBG Master Penetration Charts.**

- Updating the OBG master MEP penetration charts from the recent emailed status report from Team China.

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 2.27.2009.](#)
2. [MEP Actions Meeting Minutes 2.24.2009.](#)
3. [Invitation to CRM for Contract Sheet # 271 / Electrical Pull Boxes @ Elev. 53.85.](#)

SIGNATURE

Name

Michael F. Travis

TITLE

Electrical Engineer – LAN Engineering

Attendees:

<input checked="" type="checkbox"/> Sam Choy (CT)	<input checked="" type="checkbox"/> Andrew Rosenbaum (TYLan)	<input checked="" type="checkbox"/> Saeed Mahomed (CT)	<input checked="" type="checkbox"/> Tom Ho (TYLan)
<input checked="" type="checkbox"/> Bob Fabel (CT)	<input checked="" type="checkbox"/> Scott Fabel (CT)	<input checked="" type="checkbox"/> April Smith (CT) - Auditor	<input checked="" type="checkbox"/> Sheard (Sam) Patel (CT)
<input checked="" type="checkbox"/> Ghah (TYLan)	<input checked="" type="checkbox"/> James Dunbar (TYLan)	<input checked="" type="checkbox"/> Martin Chakrabarti (CT)	<input checked="" type="checkbox"/> Frank Steaps (BATA)
<input checked="" type="checkbox"/> Michael Tross (CT)	<input checked="" type="checkbox"/> Saeed Mahomed (TY)	<input checked="" type="checkbox"/> Saki Fozdar (TY)	<input checked="" type="checkbox"/> Alan Penn (BATA)
<input checked="" type="checkbox"/> Husein Kaban (FB)	<input checked="" type="checkbox"/> Bob Morgan (FB)	<input checked="" type="checkbox"/> Rob Feature (CT)	<input checked="" type="checkbox"/> Rob Kabad (CT)

Date	Issue	Action	Resolution
3/25/2009	1 TARGET ISSUE SEQUENCE		New sequence of CCOs: 55, 70, 61, 75 & 79 Unsequenced include: 73, 81 & 83
2/5/2009	4 CCO 55 - Underground Duct Bank Location	FB to verify grade and drawing details.	
2/20/2009	5 Change MEP CCO Weekly Meeting day from Friday to another day.		MEP CCO Meeting will continue to be held on Friday meeting.
2/20/2009	6 Main Tower Platform P&ID Boxes (Sheet 271)	FB/CT to meet to discuss p&id boxes on CCOs 55, 61 and 79	

New Sequence 55, 61, 70, 75 & 79.

Done - Remove

Give a copy of my review package to Sandy

Meeting being set up for Tuesday of next week to discuss this issue

Apples - Oranges Why fragment RFI's

Sam Choy to provide Matrix Update - soon

CRM not Set up yet - Pending

COO / CCR NO.	DESCRIPTION	MTG DATE	ACTIONS	CRM DATE	PRIORITY	DUE DATE	DIC
55	Service Platform Electrical Changes CGR 33 & RFI 337R1, R2, R3, 451R1, 474R1, 724R1, 1255R1, 1554 & 1510 & 614, 618, Spec. Change	2/4/09 2/20/09	CRM scheduled for 2/10/09. B2 to send annotations. FB Draft V.4 due date is 4/1/09.	TBD	B	2/10/09 4/1/09	FB
59	Additional OBG Penetrations RFI 854R1, R1, SUB 952	12/5/08 12/12/08 1/30/09 2/4/09	Sent to provide an update 12/12/08. CT is providing ABF to get an ETA for the price matrix from ZPMC. Evaluating ZPMC Price Matrix. Considering inclusion in the Global Change. Sent questions to Sam Choy regarding the Matrix. The Matrix is incomplete.	11/14/2008	A	12/12/08	CT
61	Electrical Warning Systems CGR 32, 46 & RFI 402, 873R1, 1334R1 & R1, 1404R1 & SUB 111, Spec. Change CGR 46 - Additional Pug Extension System, Pug, B&E, Home per USCG - CGR 32 - USCG Requirements for Lighting Changes in NAV Light HV-1	1/9/09 1/23/09 1/30/09 2/4/09 2/20/09	FB Draft V.2 is under CT review. Due Date is 01/23/09. FB to provide ETA for Draft V.3 on 01/30/09. FB to provide ETA for Draft V.3 on 02/06/09. FB to submit Draft V.3 on 03/01/09. FB to submit Draft V.3 on 04/01/09.	TBD	B	1/23/09 1/30/09 2/6/09 3/1/09 4/1/09	FB
68	Additional Tower Penetrations RFI 1027R1, R2, R3	12/5/08 12/12/08 1/30/09 2/4/09	Sent to provide an update 12/12/08. CT is providing ABF to get an ETA for the price matrix from ZPMC. Evaluating ZPMC Price Matrix. Considering inclusion in the Global Change. Sent questions to Sam Choy regarding the Matrix. The Matrix is incomplete.	11/14/2008	A	12/12/08	CT
70	Tower Utility Panels CGR 42 & RFI 1134R1, 704R1, 707R1 - R4, Spec. Change CGR 42 - Tower Utility Panel changes including panels, transformers, circuit breakers	2/4/09 2/20/09	FB to provide ETA on 2/20/09. FB Draft V.3 due date is 5/1/09.	TBD	A	2/20/09 5/1/09	FB
73	Bike Path Conduit RFI 965R1, R1, Spec. Change Stoughly conduit on Stoney & SAS	10/19/08 10/24/08	FB Draft Due Date is 01/20/09. FB Draft V.1 Due Date is 01/20/09.	TBD	C	1/1/09 1/1/09	FB
75	Electrical Grounding CGR 58, RFI 1462R1	12/12/08 12/19/08 1/9/09 2/20/09	CT returned FB Draft on 12/12/08. FB to provide ETA 12/19/08. FB Draft V.2 due date is 2/13/09. FB Draft V.2 due date is 04/03/09. FB Draft V.2 due date is 05/01/09.	TBD	C	12/19/08 2/13/09 4/3/09 5/1/09	FB
79	Tower Base MEP CGR 45 CGR 45 - Tower entrance design around a 3-ton lighting air stream Efficiency & rating for pump pump	1/9/09 1/30/09 2/4/09 2/20/09	FB V.1 Draft Due Date is 02/06/09. FB V.1 Draft submitted 01/23/09. Draft is under CT review - Sam is the lead. CT to return comments for FB Draft V.1 on 2/13/09 - Sam is the lead. FB to provide ETA for Draft V.2 on 02/27/09.	TBD	C	2/6/09 2/13/09 2/27/09	FB
81	TOS Modification RFI 1133R1 Relocation of TOS cameras at 14415ft to include new locations and new cameras. SCADA changes	1/9/09 1/16/09 12/29/09 2/20/09	FB Draft V.1 due date is 06/30/09. Stop Work Order for the procurement of SCADA to be issued. FB Draft V.1 due date is 06/30/09. B2 to email FB direction to include SCADA changes. FB Draft V.1 due date is 06/30/09.	TBD	C	4/30/09 6/30/09	FB
83	Miscellaneous Mechanical RFI 736, 1219, 1471, 1404R1, 1414 & CGR 80, Spec. Change	11/7/09 12/19/08 1/22/09 1/30/09 2/20/09	Need Concurrence Memo by 03/2009 - Rob. Need Concurrence Memo by 03/2009 - Rob. FB Draft V.1 due date is 3/31/09. FB to revise 2 plan sheets which will be issued in ATP before the CCO is issued. Need Concurrence Memo by 03/2009 - Rob. FB Draft V.1 due date is 3/31/09. ATP for rest end piping to be issued next week.	TBD	C	3/1/09 3/31/09 3/31/09	FB CT
85	Elevator Details RFI 536, 734R1, R2, 1161R1 & SUB 253R1, Spec. Change RFI 536 - Options of SP 10-405 SUB 253R1 - Elevator Layouts, Electrical Schematics, and Hoist Calculations	1/9/09 1/16/09 1/23/09 1/30/09 2/4/09	Meeting to discuss Variance Request will be held on 01/13/09. B2 to direct TYLan (Tom) to revise Variance Request. TYLan to provide a revised Variance Request on 1/30/09. TYLan to provide a revised Variance Request on 02/06/09. Meeting rescheduled for 2/20/09.	TBD	B	1/13/09 1/30/09 2/6/09 2/9/09	TYLan CT
94	Bridge Painting & Misc. RFI 226R1, 447R1, 575R1, 1364R1, Spec. Change Ratings, cable handrails, platforms & misc. mobile items	12/12/08 12/19/08 1/9/09 1/23/09 1/30/09 2/20/09	CT is working on draft Specs. Due date is 12/19/08. CT is working on draft Specs. Due date is 1/9/09. CT is working on draft Specs. Due date is 1/23/09. CT is working on draft Specs. Due date is 2/13/09. Sent to confirm whether Cable color change should be placed in CCO 37. TYLan does not want the travel surface of the Traveler Rail to be painted. Apat to verify which changes in the matrix affect ZPMC fabrication. Apat to verify which changes in the matrix affect ZPMC fabrication.	TBD	C	12/19/08 1/9/09 1/23/09 2/13/09	CT
99	Bike Path Details RFI 853R1, R1, 1423 & Clash Detection - 3D Modeling Emergency Access Review & Commented ATP	11/14/08 11/21/08 12/9/08 12/12/08 12/19/08 12/31/08 1/9/09 1/16/09 2/6/09 2/20/09	FB Draft V.1 submitted 11/13. TYLan to verify if B2 sent direction. TYLan to issue drawing by 12/05/08. CT to return comments to FB. FB to provide ETA for Draft V.2 on 12/19/08. CT is reviewing FB Draft. ATP to be issued by 1/9/09. ATP issued in 05.03.01-003219. FB & TYLan to issue a correction. TYLan (Andrew) to submit additional sheet by 1/20/09. TYLan additional sheet under CT review - Rob, Bob & Mike. ATP issued in 05.03.01-003337.	TBD	A	11/19/08 12/5/08 1/9/09 1/20/09 1/20/09	CLOSED
CCR STATUS							
31	East Span Light Poles & Luminaires RFI 1576R1, R1						
81	Concrete Luminaire Support with Conduit Routing 5523 44	2/20/09	FB is working on a detail. B2 to provide formal direction.			2/27/09	FB CT

Meeting set up for Tuesday of next week

Saeed covered his trip to factory (Texas) and what he found.

Reviewing possibility to place in CCO#44

Base wireway system installation? was not discussed in meeting.



Grady
Hart/HQ/Caltrans/CAGov
02/26/2009 10:10 AM

To MEP ACTIONS MEETING
cc
bcc
Subject MEP Actions Meeting Review

Here is the update of current MEP Actions (typed in blue)



MEP Actions Review 22409.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

February 24, 2008,
PIER 7, WDC

1. RFI

1.1

Pending MEP RFI's.

- RFI 1618 Cable Railing and Cable Tray Clarification The Department has responded.
- RFI 1632 Travelers SAS EB & WB, E2/E3 EB & WB (Structural Tubing) The Department is reviewing. Alex Schmitt is the Resp. Engineer and the target date is 3/6/09.

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 3/6/09.
- Submittal 751R1 WB Traveler Shop Drawing The Department is reviewing Alex Schmitt is the Resp. Engineer and the target date is 3/6/09.
- Submittal 998 OBG Miscellaneous Details [MEPD] Pipe Sleeve Caps The Department has responded.

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 3/6/09.
- Submittal 952 OBG MEP Electrical Penetration Layouts and Details The Department has responded.
- 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 3/14/09.
- 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 3/14/09.
- Submittal 938R1 MEP Tower Mechanical Piping Supports The Department is reviewing. Martin Chandrawinata is the Resp. Engineer and the target date is 3/13/09.

3. CCO'S

3.1

High Priority CCO's: 55, 59, 68, 70

- CCO 55 - Service Platform Electrical PB is incorporating comments from the CRM meeting held on 2/10/09. Also sheet 271 ~~will~~ maybe removed from this CCO for a more extended review. PB and the Department are discussing the sheet.
- CCO 59 - Additional OBG Penetrations The Department is updating the penetration worksheet.
- CCO 68 - Additional Tower Penetrations The Department is updating the penetration worksheet.
- 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. The Department will has add issues plan sheet changes in regards to RFI 1568 R0/R1.
- CCO 74 Strong Motion System.
- CCO 99 - Bike Path Details. The Department will has issues plan sheet changes regarding the emergence access gate, and the bike path handrail penetrations.

3.3 All other CCO's and their current action

- CCO 61 - Electrical Warning System PB is incorporating the Departments comments.
- 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 has scheduled a meeting on 3/3/09 with ABF, TYLin/JV and DOSH to discuss the scope of this CCO.
- CCO 94 - Bridge Painting & Misc. Items The Department is developing a draft copy with specification changes.

3.4 ATP's for CCO's

- [CCO 72 Cable Electrical State Letter 3518](#)
- [CCO 99 Bikepath Details State Letter 3527](#)

3.5 New CCR's (future CCO)

- CCR 81 Concrete Luminare Conduit Routing.

4. LETTERS

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

5. MISCELLANEOUS

5.1 Other MEP Issues

- PB is resolving the piping expansion loop conflict (under the bike path at the skyway transition) with the traveler.
- 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)).

Calendar Entry
Meeting

Attachment # 3 (1/1)

- Notify me 
- Mark Private Pencil In

Subject	Discuss plan sheet 271 in CCO's 55, 61, & 70		
When	Starts	Tue 03/03/2009	10:00 AM
	Ends	Tue 03/03/2009	11:00 AM
Invitees	Required (to)	garcia@pbworld.com, George Boughosn/D04/Caltrans/CAGov@DOT, kingn@pbworld.com, Michael	
	Optional (cc)	Bill Shedd/D04/Caltrans/CAGov@DOT, Saeed Shahmirzai/D04/Caltrans/CAGov@DOT	
Description	We will discuss plan sheet 271 which is located in CCO's 55, 61 and 70. Please formularize yourself with RF's 726R1&R2 and 729R0. See you there, Sandy		
Your Notes			

Chair Sandra Michelotti/D04/Caltrans/CAGov

Where Location WDC Conference Room

Categorize