



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

**ENGINEER'S DAILY REPORT**

LAN Engineering Consultant

REPORT NO.	DATE		
230 (7-day)	July 31, 2007	<i>Alai</i>	M <b>J</b> W T F S S (DAY)
NORMAL WORK HOUR:	START: 7:00AM STOP: 3:30PM	WEATHER:	OVERCAST/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

**Scheduled Meetings:**

- ❖ **Pre-Design MEP Coordination Meeting (Caltrans - PB) (0900):**
  - ❖ Eric Sugiyama (PB) was invited and attended the meeting to cover the issues on the team MEP meeting agenda.
  - ❖ All seven items were cover and discussed in preparation for the meeting at 10:00AM today. It was very productive with Eric (PB) in attendance.
- ❖ **Design MEP Coordination Meeting (Caltrans-TY LIN-PB-Contractors) (1000):**
  - The following are the key issues brought up during the meet:
    - (1.2.2 /1.2.3) AB requested a meeting to cover the proposed resolutions of the OBG deck conflicts that were discussed last week. Also AB requests a meeting to discuss the conflict at tower platform at elevation 53 with the booster pump and electrical conduits.
    - (3.1) OBG deck level conflict resolution follow-up. Request to have a meeting after to confirm conflict corrects from last week.
    - (5.0) Changes real or Rumor?
      - Tower Pipe Supports (Real)
      - Bike Path Supports (Real)
      - Call Boxes (Real)
      - Homeland Security (Real) \* State will notify
      - Tower Utility Panels (Real)
      - Cable Lighting ( Messenger Cable) (Real)(T.Y.Lin)
      - Fog Detection System (Real)
      - Skyway Electrical. (Rumor?)
    - (6.1) Upcoming submittals Elevator (235) Scott Yeager indicated that there is an additional plan sheet for the submittal that changes the location of the electrical box connect. This sheet is not a part of the package but he will email it to Caltrans and PB for reference.



- (6.3) Submittal No. 10 Closure. There are several issues for Submittal 10 and need to be resolved so the submittal can be closed out. Contractor suggests having a meeting next week with the people involved to resolve the issue.
- (7.1) Notable – Roadway lighting coordinates calculation concern when cable loading changes. I told Chris that the theoretical Calculations can determine approximate angles to work from. The final adjustment can be accomplished at time of installation and functional testing by several different means. One can be by using the light meter to determine hot areas and adjusting accordingly.
- (7.2) Strut channel embeds not used on project. It was suggest that these be turned over to Caltrans if not able to return to manufacturer.
- (7.4) Early expiration of warranties on early ordering of equipment. It was pointed out that “Material On Hand” does not have any listing for this type of items. Installation and functional test is required. Warranties should take effect at time of installation. There doesn’t seem to be an issue at this time.
- See attachment # 1 for Agenda Sheet.

❖ **OBG Deck Level Conflict Follow-up Meeting (Caltrans-TY·LIN- Contractors) (1:00 PM):**

- The following are the key issues brought up during the meet:
  - T.Y.LIN and the contractor covered all the changes that needed to be made to resolve all the deck issues brought up by the contractor.
  - There were no changes in the location of the Light fixtures that were involved in the conflict.

**Office Work:**

❖ **Submittal NO. ABF-SUB-000235 Rev: 0**

**Subject: Elevator Layouts, Electrical Schematics, and Hoist Calculations.**

- Received the submittal today to review and comment on.
- Was informed by Scott Yeager today that there is an addendum sheet covering a change in the location of the electrical connects to the elevator. The sheet was not included in the submittal and is not stamped but will be emailed to Caltrans and PB for reference. (See attachment #2)

❖ **Submittal NO. ABF-SUB-000171 Rev: 0**

**Subject: Navigation Warning System.**

- Received an email from Steven Hulsebus indicating the Pier Navigation lights shall have a 180 degrees horizontal arc instead of a 360 degree arc. He indicated this was on the stamped and signed Coast Guard Application. (See attachment #3).



❖ **RE Pending File Documents**

- Bill Shedd loaned me the RE Pending file CDs to make copies of the documents that could be beneficial to the RFI/Submittal review process. I made copies and returned the binder to Bill.

❖ **Caltrans Training – Information Security and Privacy Awareness Training Class**

- Performed the on-line train session and completed the end of class exam. Received a certification of completion of the course. See attachment no. 4 for copy of the certificate.

*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**



**ATTACHMENTS :**

- 1. MEP Final Agenda Handout July 31, 2007.**
- 2. Elevator Submittal No. 235 Addendum sheet.**
- 3. Enclosure 3 from Coast Guard Application Document.**
- 4. Information Security and Privacy Awareness Training Completion Certificate**

SIGNATURE

Name

Michael F. Travis

TITLE

Electrical Engineer – LAN Engineering



**TEAM MEP MEETING**  
**Final Agenda for July 31, 2007, 10:00 AM**  
**WDC Conference Room**

**1. RFI STATUS REVIEW AND EVALUATIONS**

1.1. Requests for which ABF is awaiting response

- 1.1.1. RFI # 793R0 (7/16/07) – Cable Tray Supports at West end OBG
- 1.1.2. RFI # 707R2 (7/17/07) – Utility Panels and Pullboxes at Tower Platform Elev. 53.85
- 1.1.3. RFI # 811R0 (7/23/07) – Transverse Cable Tray Support (to be tracked by team OBG)
- 1.1.4. RFI # 814R0 (7/23/07) – Cable Tray Supports Inside OBG in vicinity of PP117 to PP119  
(to be tracked by team OBG)
- 1.1.5. RFI # 834R0 (7/30/07) – Additional Pipe Sleeves in OBG Side Plates near Crossbeams  
with Service Platform (to be tracked by team OBG)
- 1.1.6. RFI # 839 (7/31/07) – Pole Pedestal Pipe Sleeve Arrangement (to be tracked by team  
OBG)

1.2. Upcoming Requests

- 1.2.1. Cable Tray Supports at East End OBG
- 1.2.2. Confirmation of OBG penet/attach layout and associated changes stemming from conflict  
resolution.
- 1.2.3. Conflict between booster pump pipes and electrical conduits/boxes at tower platform  
elevation 53.

1.3. RFI/CCO EVALUATIONS LEGEND

- (1 = NC = NO CHANGE)
- (2 = CCO = CALTRANS TO INCLUDE IN CHANGE ORDER)
- (3 = ? = STATUS UNRESOLVED; DEFER TO CORE GROUP FOR EVALUATION)
- (4 = OH = ON HOLD PENDING FURTHER REVIEW OR ADD'L INFO)

1.3.1. Recap of previous week evaluations

RFI / EVALUATIONS	ABFJV	CALTRANS	FINAL
ABF-RFI-000675R00	2	2	2
ABF-RFI-000584R01	1	1	1
ABF-RFI-000789R00	2	2	2

Attachment #1 (2/3)

1.3.2. Recent (or on hold) RFI responses to be evaluated for CCO needs

RFI / EVALUATIONS	ABFJV	CALTRANS	FINAL
ABF-RFI-000790R00	2	2	
ABF-RFI-000794R00	2	2	

**2. PRIORITIES**

- 2.1. It's difficult to choose because we are already behind the pace on details effecting change to OBG PP8 to P42 and Tower base to elevation 50. Detailers are moving on so their current work has become high priority as well.
- 2.2. Creation of "portfolio" for penetration and attachment RFI, layouts and details
  - 2.2.1. Owner/Designer sign-off for deck level light locations, etc.

**3. MEP-OBG DECK LEVEL CONFLICT RESOLUTION**

- 3.1. Follow-up to review of coordination drawings for conflicts at deck. Specific focus on changes to diverter plates for avoidance of conflict with pipe supports rather than notching support beam.

**4. TOWER PENETRATION & ATTACHMENT COORDINATION**

- 4.1. Preparation for focus on platform at elevation 53.85.
- 4.2. Diaphragm penetrations as per RFI 543
  - 4.2.1. shop drawing mark-ups and incorporation of details into shop drawings
- 4.3. Attachment notes on shop drawings

**5. CHANGES RUMORED AND/OR REAL**

- 5.1. Tower pipe supports – State direction and penet/attach details needed ASAP (Real)
- 5.2. Bike path pipe supports – State direction and penet/attach details needed ASAP (Rum)
- 5.3. Call boxes – State direction and penet/attach details needed ASAP (Real)
- 5.4. Homeland Security – State direction and penet/attach details needed ASAP (Real)
- 5.5. Tower utility panels (Real)
- 5.6. Cable lighting, etc. "Message Cable"
- 5.7. Fog Detection System Pete Dolan - (Yours/Reviewing)
- 5.8. Skyway electrical — FUTURE

**6. SUBMITTALS**

## Attachment #1 (3/3)

### 6.1. Upcoming

- 6.1.1. This week – Elevator, Seismic Junction Box at Tower base; Light Fixture H3/H4 <sup>(235)</sup>
- 6.1.2. End of August – FWS working drawings and miscellaneous cut sheets for OBG and Tower piping system (11221)

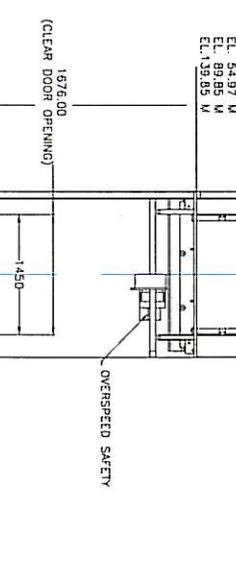
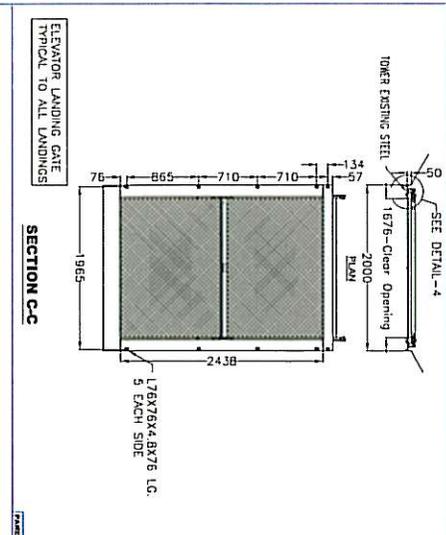
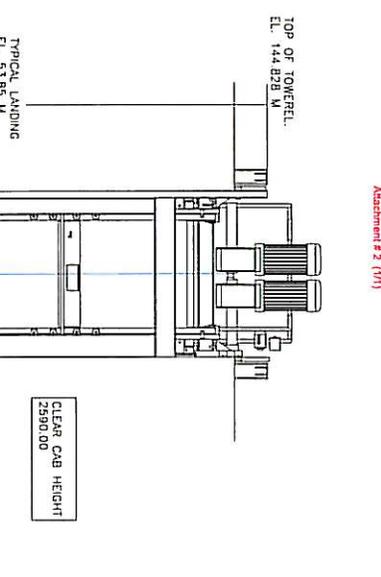
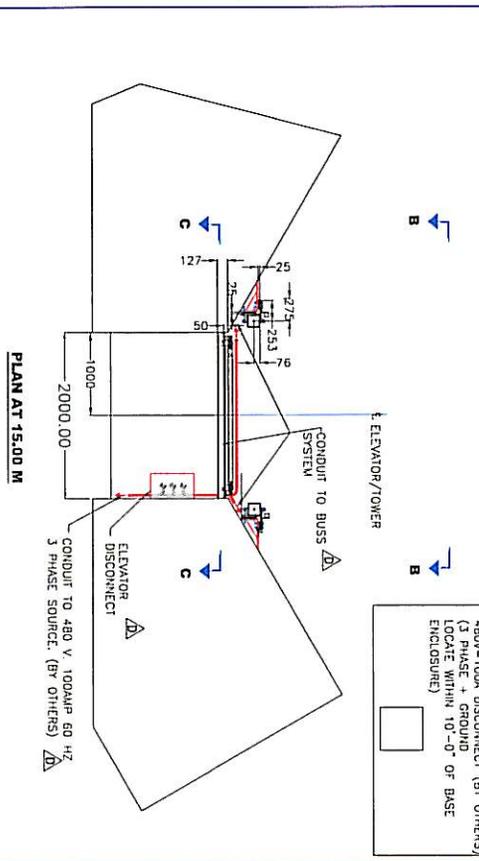
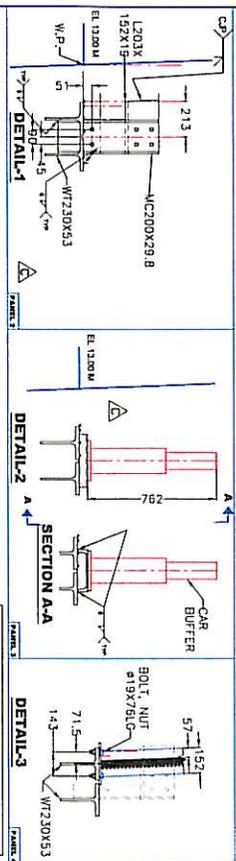
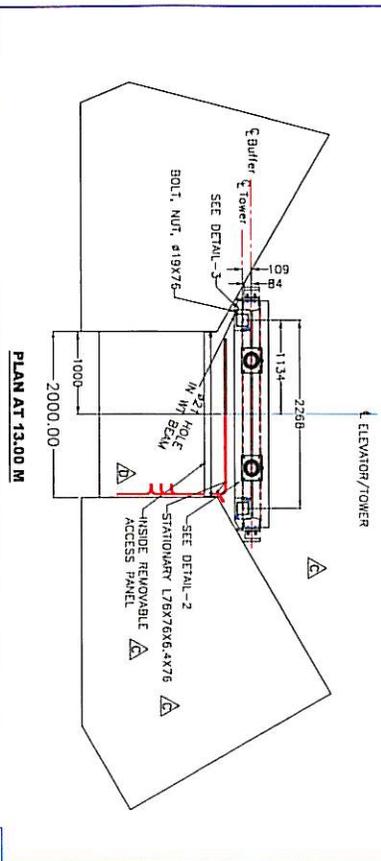
### 6.2. Corrections for Submittals 171, 173, 174, 175, 176

### 6.3. Closure to mechanical Submittal No. 10

- 6.3.1. What to do in general since it was disapproved as a whole and subsequent re-submittals were broken into smaller packages (as per request) having unrelated submittal numbers.
- 6.3.2. "Thrust-lock" boltless restraint (Next week meeting – Bob will attend)

## 7. NOTABLE

- 7.1. Roadway lighting coordinates calculated by engineering consultant deviate from theoretical by up to a meter. However, calculations are subject to refinement as suspended loads get refined.
- 7.2. Strut channel embeds ordered for cap beam by Bleyco are no longer needed and may not be returnable.
- 7.3. Direction from METS for embed order has not arrived.
- 7.4. Early expiration of warranties will become a future issue. Therefore, it will be added to the open issues list. *No Good ANSWER ON THIS 'AB- Warranties START AT Bump'?*
- 7.5. Mock-up for barrier and pole pedestal is under construction.



**REVISIONS**

NO.	DATE	BY	CHKD.	DESCRIPTION
1	12/10/07	WZ	WZ	ISSUED FOR PERMIT
2	12/10/07	WZ	WZ	REVISED FOR SUBMITTAL
3	12/10/07	WZ	WZ	REVISED FOR SUBMITTAL

**GENERAL ARRANGEMENT**

**USA HOIST COMPANY, INC.**  
 820 NORTH WINDY  
 CHICAGO, ILLINOIS 60622 773-485-6900  
 773-485-2438 (FAX)

**JOY** BAY BRIDGE TOWER  
 309 ADD. SAN FRANCISCO, CA  
 CONTR. AMERICAN BRIDGE/TOWER A JOINT VENTURE

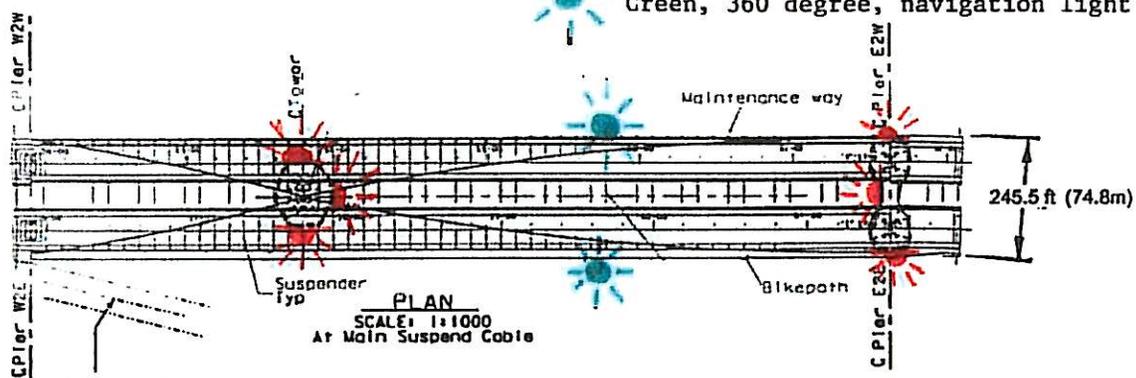
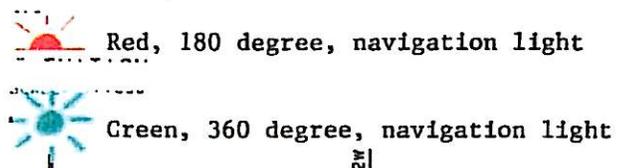
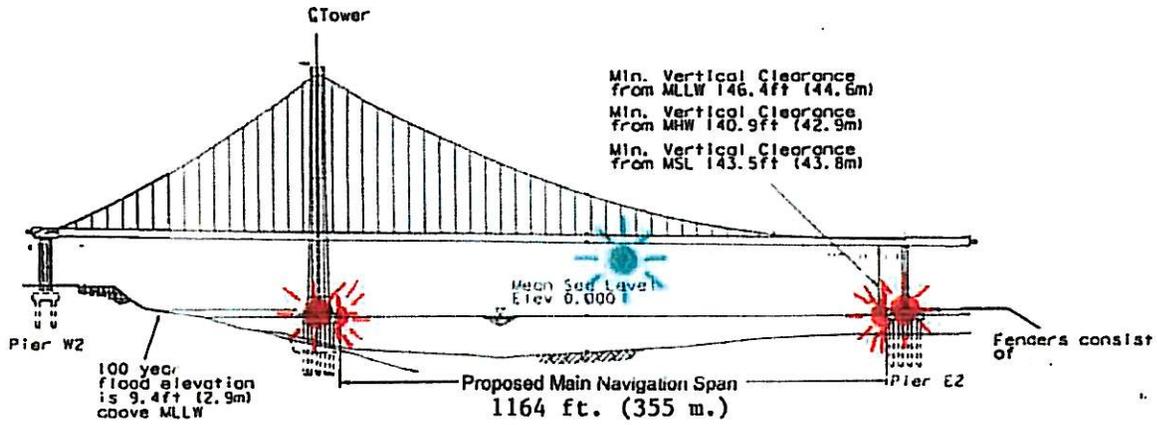
**TITLE:** GENERAL ARRANGEMENT

**JOB NO:** 09  
**DATE:** 12/10/07  
**SCALE:** 1/8" = 1'-0"  
**PROJECT NO.:** L7804142

**REVISIONS**

NO.	DATE	BY	CHKD.	DESCRIPTION
1	12/10/07	WZ	WZ	ISSUED FOR PERMIT
2	12/10/07	WZ	WZ	REVISED FOR SUBMITTAL
3	12/10/07	WZ	WZ	REVISED FOR SUBMITTAL

# NAVIGATION OPENING

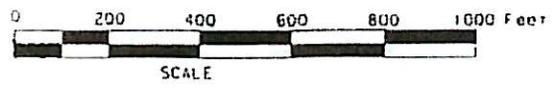


Navigation Lights and/or Other Signals, approved as shown, pursuant to 33 CFR 118.

Date: 12/19/01

Signature: *David H. Sulouff*  
 DAVID H. SULOUFF  
 Chief, Bridge Section  
 11th Coast Guard District  
 By direction of District Commander

Note: Datum is NGVD 29 = 0.00ft (0.00m)



Proposed San Francisco - Oakland Bay Bridge East Span Replacement
San Francisco Bay, Mile Point 8.9 (14.3 km)
Location - San Francisco, San Francisco County, CA Oakland, Alameda County, CA
Jan 2001

ENCLOSURE(3)

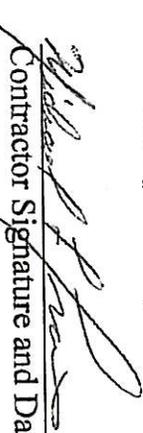
Attachment # 4 (1/1)

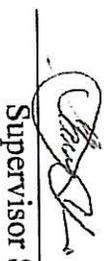
# Information Security and Privacy Awareness Training Certification

## Michael Travis

has completed the Information Security and Privacy Awareness training.

I am aware that as a contractor/consultant of the California Department of Transportation, I have a responsibility to protect state information assets.

  
Contractor Signature and Date 7-31-07

  
Supervisor Signature and Date 7-31-2007