



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
ENGINEER'S DAILY REPORT
LAN Engineering Consultant

REPORT NO.	DATE	
223 {7-day}	July 24, 2007	M J W T F S S (DAY)
NORMAL WORK HOUR:	WEATHER:	
START: 7:00AM STOP: 3:30PM	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 *GL*
Senior Bridge Engineer

Office Meeting (Pre-MEP/Contractor Coordination Meeting) [Caltrans Personnel]:

- ❖ Meeting scheduled for 9:00 AM to discuss the status of the project ongoing issues for the SAS in preparation for this weeks meeting @ 10:00AM. The following issues were discussed:
 - Covered the agenda items submitted by the contractor.
 - Discussed submittal, RFI and processing of electrical items through channels to shorten the time frame of processing.

Office Meeting (MEP/Contractor Coordination Meeting):

- ❖ Meeting scheduled for 10:00 AM to discuss the status outstanding issues, issues that have developed since the last meeting and new issues from the contractor. The following items were discussed:
 - Status of ongoing RFI's:
 - RFI's to be returned soon: #793, #790, #794, #707R2.
 - New RFI's from Contractor (7-23-2007) RFI's #811R0 and #814R0.
 - Upcoming RFI's :
 - Cable Tray Supports at East End OBG.
 - Additional penetrations for OBG sloping side plates at crossbeams.
 - MEP-OBG Deck Level conflict resolution (consolidated plan overlays showing conflicts).
 - Systematically covered the complete bridge deck discussing and resolving the conflicts found by the contractor.
 - C6 Conflict has a flume in conflict with the flood light fixtures. The conflict area is at PP-36@ WB South. The fixtures were moved a short distance away. I still have some concerns with moving one set of a group of lighting fixtures that light the tower structure. I was informed the location of the fixture was changed once before. I will check the layout to see if there could be possible problems in the moves.

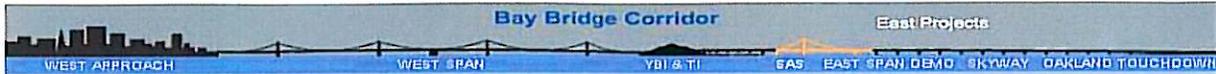


- C10 conflict has diverter in conflict with PS-5 and flood light near PP-49 @ EB North. It was suggested to move only one of the fixtures in the group. I pointed out that this would change the uniform layout of the lighting as a complete group. I suggested that this needs to be evaluated to determine if this would change the distribution of the lighting on the tower structure. The contractor wanted a solution on the spot so it was finally decided to move the diverter leaving the fixture at the same location.
- Submittals review :
 - Submittal #171 – Quantity conflict issue. The issue was discussed and contractor wanted to point out that the quantity was correct on the submittal and they are not going to follow the notation on the returned submittal. The contractor was informed that the quantity matches what they had submitted.
 - Submittal #171- Mounting detail discrepancy. Contractor indicated that a mounting plate adapter is required to stay with the special provisions requirements. I indicated that the contract plans details and plate to be welded with studs and any additional mounting plate adapter would create additional problems in feeding the fixture. The easiest solution would be ordering the base plate as indicate for mounting to the OBG mounting plate and having the conduit feed the fixture from the side. I believe the contractor is going to check with the distributor again.
 - Submittal #173 – The submittal was approved subject to notation. The notation indicated that the control panel was being re-designed. Since this is the only notation on the plans the contractor wants the submittal re-done approved with no notation.
- ❖ At the end of the meeting I asked the contractor about their ordering of the submittal items and how they were going to proceed with the time frame for this project. The answer I got was that as soon as submittals are approved the contractor intends to purchase as soon as the approved submittal is received. This could be a problem at installation time years down the road. The problems would be warrantees, guarantees, functionality.

Office Work:

(Submittal 211 – Shop drawings on tower structure plate “A”):

- A discussion between Gary Lai, Max Takaki and myself to determine if additional conduit penetrations are needed in the shop drawings for Skin Plates “A” from elevation 3.00 to 13.0.
- During the conversation it was brought up that no equipment will be installed in those sections so installing additional conduit penetrations will probably not be needed.
- After discussing this matter with Max Takaki later, I discovered that there is additional routing of conduit within those areas. The sump pump conduit feed and other additional component feeds are taking place so access to those areas will be used for maintenance personnel to work on the conduit runs and junction boxes. This might justify addition of additional penetrations?



Office Meeting (RFI 707 Meeting) [Caltrans-PB-Contractor]:

- ❖ Meeting held to discuss the RFI # 707R2 solution.
 - All items were discussed in the RFI and a solution was agreed upon except one.
 - The one item still pending was the location of the wire way, panel, transformer and disconnect. Ellery suggests that a rearrangement of the enclosures on the landing needs to take place. It was suggested to relocate only the transformer and disconnect next to the railing 90 degrees so all equipment can fit in the same area. It was agreed that only the equipment indicated above can be relocated next to the railing 90 degrees from where it is shown.
 - A discussion about the submittal covering the 210(1-A) and 210(1-B) was addressed at the meeting too. Ellery had indicated that the change to these items were verbal from him and there was no written change in a RFI or recommended change.

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. TEAM MEP MEETING FINAL AGENDA.

SIGNATURE

Name

Michael F. Travis

TITLE

Electrical Engineer – LAN Engineering



SAN FRANCISCO OAKLAND BAY BRIDGE

EAST SPAN SEISMIC RETROFIT SAFETY PROJECT
 SELF-ANCHORED SUSPENSION BRIDGE
 (SUPERSTRUCTURE AND TOWER)
 PROJECT NUMBER 660110

TEAM MEP MEETING

Final Agenda for July 24, 2007, 10:00 AM
 WDC Conference Room

1. RFI STATUS REVIEW AND EVALUATIONS (10:00AM – 10:15AM)

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 # 794R0 (7/16/07) – Cable Tray Supports Type I, Type II, Type III
- 1.1.3. RFI # 707R2 (7/17/07) – Utility Panels and Pullboxes at Tower Platform Elev. 53.85
- 1.1.4. RFI # 811R0 (7/23/07) – Transverse Cable Tray Support (to be tracked by team OBG)
- 1.1.5. RFI # 814R0 (7/23/07) – Cable Tray Supports Inside OBG in vicinity of PP117 to PP119 (to be tracked by team OBG)

1.2. Upcoming Requests

- 1.2.1. More for Cable Tray Supports at East End OBG
- 1.2.2. Additional penetrations for OBG sloping side plates at crossbeams

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
NONE			

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

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

2. **REVIEW OF DIMENSIONS FOR PIPE SLEEVES IN POLE PEDESTALS (10:15am – 10:30am)**

- 2.1. Check that everyone is within 5mm or so with their dimensional analysis
- 2.2. Verify that location of sleeve for 2.5" pipe does not create a fabrication problem with pedestal

3. **MEP-OBG DECK LEVEL CONFLICT RESOLUTION (10:30am – 11:00am)**

- 3.1. Coordination drawings will be reviewed for conflicts. Attached is a list of apparent conflicts that may or may not have been addressed by RFI or design change.

4. **SUBMITTALS REVIEW (11:00am – 11:15am)**

- 4.1. Submittals under contention
 - 4.1.1. # 171 – Quantity of lamp type NV-3 was incorrectly changed by reviewers
 - 4.1.2. # 171 - Mounting detail discrepancy; under deck lamp has studs permanently attached to lamp base; adapter plate will be req'd if Detail 2 on Sheet 292 is req'd.
 - 4.1.3. # 173 – Fog detection panel had little or nothing to do with the submittal, which was for the detector and the horn.

7/19/07

WRITE RFI FOR PENETS THRU
 OBG SLOPING SLIDE PLATE
 ADD TWO MORE FOR A TOTAL OF 14?

7/20/07

OBG-MEP CONFLICTS REVIEW FOR DECK LEVEL
 (BY BAUSONE - SUGIYAMA - HESTER)

N1. ~~WEST~~ VERIFY WEST END BARRIER DIAPH. SPACING
 AND PULL BOX AND PENET LOC. (ABF)

* C1. PS-5 AND DRAIN FLUME OVERLAP NEAR PP-18
 @ WB ROADWAY SOUTH

* C2. PS-5 AND DIVERTER OVERLAP NEAR PP18
 @ EB-ROAD NORTH

C3. PS-14 MOVED TO WRONG LOC. BY FWS
~~PP~~ NEAR PP14, @ ~~EB~~ NORTH

C4. CONDUIT PENET IN SAME BARRIER SECTION
 AS DRAIN FLUME NEAR PP25
 @ EB ROAD SOUTH

C5. PS-5 VS. DIVERTER NEAR PP61
 @ WB NORTH

- * C6. FLUME VS. FLOODLIGHT NEAR PP36
@ WB SOUTH
- C7. PS-5 VS. DIVERTER NEAR PP30
@ EB NORTH
- C8. PS-5 VS. DIVERTER NEAR PP33
@ EB NORTH
- C9. CONDUITS VS. DIVERTER NEAR PP36
@ EB NORTH
- * C10. DIVERTER VS. PS-5 VS. FLOODLIGHT NEAR PP49
@ EB NORTH
- C11. DIVERTER VS. PS-5 NEAR PP61
@ EB NORTH
- C12. SAME AS C11 BUT NEAR PP64
@ EB NORTH
- C13. FLUME VS. PS-5 NEAR PP30
@ WB SOUTH
- C14. PS-5 VS. DIVERTER NEAR PP85
@ EB NORTH
- * C15. DIVERTER VS. PS-5 VS. PEDESTAL NEAR PP88
@ EB NORTH
- C16. DIVERTER VS. PS-5 NEAR PP100
@ EB NORTH

- C17. ~~FLUME~~ PEDESTAL VS. PS-5 NEAR PP 120
@ WB SOUTH
- * C18. FLUME VS. PEDESTAL VS. PS-5 NEAR PP 108
@ WB SOUTH
- C19. DIVERTER VS. PEDESTAL PP 108
EB NORTH
- C20. DIVERTER VS. PS-5 NEAR PP 115 ^{EPP 120} ~~PP 117~~
- C21. ALSO NEAR PP 117 @ EB NORTH
- C22. " " PP 120
- C23. PS-22 OFF STRUC. NEAR HINZEL
@ EB NORTH
- C24. PS-22 VS. FLUME NEAR PP 127
@ WB SOUTH
- C25. PS-22 ~~OFF~~ ON SLOPE NEAR PP 128
EB SOUTH
- N2. FLUME LENGTHS