



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

ENGINEER'S DAILY REPORT

LAN Engineering Consultant

REPORT NO.	DATE		
362 {7-day}	December 10, 2007	<i>SL</i>	<i>DL</i> T W T F S S (DAY)
NORMAL WORK HOUR:	WEATHER:		
START: 7:00AM STOP: 3:30PM	CLEAR/ 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:

❖ **Submittal Status Meeting (Caltrans – T.L.LIN – PB)**

- The response to the submittals 174, 175 and 176 was submitted by PB on Friday to process back to ABF.
- The following shop submittals will be ready to discuss with ABF on the scheduled meeting on Friday December 14, 2007: #419, #432, #442, #443, #445, #446.
- Ongoing submittals are being worked on: #447-#467.
- The following submittals will be returned tomorrow: #409, #411 and # 426.
- The following are submittals waiting for PB comments: #415, #421, #423, #424, #425, #427, #428, #429, #431, #432 and #433.
- Submittal received Friday: # 140 R3. (Fast turnaround).

❖ **CCO informal Meeting (Caltrans)**

- A meeting developed today to discuss the PB submitted CCO#42 second submittal and the involvement of Saeed Shahmirzai in the CCO meetings.
- The following people were present at the meeting: Michael Travis, Bill Shedd, George Boughosn, Scott Fabel and Darryl Schram.
- We discussed the Issues of PB packaged CCO's including not following guidelines to lack of QC/QA to insure a clean package. Also discussed Saeed Shahmirzai's demeanor in meetings toward Caltrans and other people in the meetings.

❖ **Worked on Penetration Charts for the shop drawing submittals.**

- Developed and completed penetration chart for shop submittal #415. Placed the chart in the XDrive today.
- Working on the penetration chart Update for shop submittal # 283 and #282.



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❖ **CCO# 44 Review.**

- Started my review of the CCO #44 PB/T.Y. LIN.

❖ **Submittals # 174R1 to 176R1 Status.**

- Since the approval to relocate the service equipment inside the tower structure at elevation 89 of the tower the submittals that were on hold can be released and processed.
- PB is in the process of finalizing these submittals and returning the submittals.
- See Attachments.

❖ **ABFJV RFCO #18 (Request for Change Order Letter) RFI 159R0&R1 Pole Change to State Furnished.**

- Contractor is requesting a CCO letter if the roadway lighting poles are to be removed from the contract and supplied by Caltrans.
- This issues needs to be carefully evaluated to determine the full scope of the materials to be removed and become state furnished. Also the entire package needs to be carefully packaged to make sure the complete system gets installed, properly tested and is completely functionally operating.
- See Attachments.

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. PB response to SAS Sub # 174R1 Email.
2. Sub # 174R1-176R1 Review request Email.
3. RFCO #18 Email.

SIGNATURE

Name

Michael F. Travis

TITLE

Electrical Engineer – LAN Engineering

Attachment #1 (1/2)



"Takaki, Maxwell"
<Takaki@pbworld.com>
12/10/2007 08:06 AM

To "Lucas, Ellery" <Lucas@pbworld.com>
cc "Saeed Shahmirzai" <Saeed_Shahmirzai@dot.ca.gov>, "Sugiyama, Eric" <Sugiyama@pbworld.com>, "Stevens, James" <StevensJa@pbworld.com>, "Garcia, Rocky"
bcc
Subject RE [1]: PB Response to SAS Sub 174R01

Luke,

Thanks for your message. Yes, it is a redesign, and Jim Stevens is moving forward; the scope of CCR 042 was written for individual enclosures, and accepted by Caltrans, and the redline of contract plans reflected these changes (on sheets 281 through 283/1204), and sent to ABF/Bleyco via Caltrans in September 2007.

Regards,
Max Takaki
PB Oakland FO
510-808-4558
415-290-1056 cell

From: Lucas, Ellery
Sent: Monday, December 10, 2007 7:52 AM
To: Takaki, Maxwell
Cc: Saeed Shahmirzai; Sugiyama, Eric
Subject: RE: PB Response to SAS Sub 174R01

Max,
If the final decision to locate the UP-210A and UP-210B inside the tower quadrant Se and SW, I don't think. It's necessary to change the base contract configuration of the combination transformer/ panel board to individual components. This would require a redesign.

The base contract is a "of the shelf" mini-power center, all in one enclosure and you can get this with maximum 20, 1-pole breakers and in Nema 3R enclosure. The price difference for the enclosure is about equal.

Ellery Lucas
PB Power Inc.

303 Second Street
San Francisco, California 94107
Tel: 415-243-4726
Fax: 415-281-8707

From: Takaki, Maxwell
Sent: Friday, December 07, 2007 5:13 PM
To: Martin Chandrawinata
Cc: Garcia, Rocky; Dan Turner; Jing Chen; Jim Reid; John Lyons; Katie Sanders; Nhan Vo; Paul Chui (paul_chui@dot.ca.gov); Rachel Liu (rachel_liu@dot.ca.gov); Tim Daszko; Tom Ho; Veronica Verduzco (Veronica.Verduzco@tylin.com); John Chan; Bill Shedd; Chris Havel; Gary Lai; Grady Hart; Michael Travis; Mike Travis; Sugiyama, Eric; Lucas, Ellery; Sollie, Cassidy
Subject: PB Response to SAS Sub 174R01

Attachment #1 (2/2)

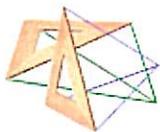
Martin,

Attached PB response is based on the recent Caltrans' confirmation that the electricity service at 89.85M elevation of tower will be inside the shafts SE and SW.

Regards,
Max Takaki
PB Oakland FO
510-808-4558
415-290-1056 cell

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Attachment #2 (1/1)



Martin
Chandrawinata/D04/Caltrans/
CAGov

12/10/2007 02:26 PM

To Parviz Boozarpour/D04/Caltrans/CAGov@DOT
cc Bill Shedd/D04/Caltrans/CAGov@DOT, Michael
Travis/HQ/Caltrans/CAGov@DOT

bcc

Subject SUB 174R1 - 176R1

Parviz,

Per our conversation, please find the review comments from PB on the revised submittals. As agreed with CT Maintenance, the UP 210-1A & 1B will go inside the tower shaft. The only comments the designer has is that NEMA 12 is to be used for these Utility Panels. Let me know your comments.

Thank you,

martin



MT175PB1.pdf



MT176PB1.pdf



MT174PB1.pdf

Attachment #3 (1/3)



Michael
Travis/HQ/Caltrans/CAGov
12/10/2007 04:24 PM

To Martin Chandrawinata/D04/Caltrans/CAGov@DOT
cc Bill Shedd/D04/Caltrans/CAGov@DOT
bcc SAS - Caltrans; Takaki@pbworld.com
Subject Re: RFCO 18: Manufacturer & Make for Lighting
(ABF-CAL-LTR-319) 

Martin,

I included my comments (in red) in this Email for the issues you brought up.

Recently ABFJV sent a Request for Change Order (RFCO) letter in regards to the 20M light poles and the Belvedere Poles in reference with RFI 159R0 and R1. These poles will be State Furnished-Contractor Installed. Before we send the response letter to ABF, I would like to clarify a few things with you because there seems to be a conflict in the contract plans:

20M Poles & Appurtenance

- The quantity of light poles, shown on sheets 117+ and 188+, is a total of twelve (12) 20M poles: 6 westbound, 6 eastbound.
The light pole schedule (indicated on sheets 141 and 211) shows a total of seventeen (17) 20M poles.
Can you please clarify the discrepancy?

There is a contract error in the placement of 20 in the schedule. If you count the 20 in the schedule sheet there is an error.

The pole ID number is what should be counted to determine the correct number. There are 12 - 20 Meter poles in the contract plans.

- ABFJV indicated in the letter ABF-CAL-LTR-000319 that the appurtenance shall also be State-furnished items. Plan Sheet 143 depicts a marker light, luminaire carriage, luminaires, MVDS unit, and a lowering device. What does specifically the appurtenance include/exclude? It will make more sense to have all the appurtenances installed on this 20M pole before it is being installed.

This is a very complicated issues and should be looked at very closely.

There needs to be a through investigation on how things are specified and indicated in the plans and specifications.

This also needs to be coordinated with the contract that will be furnishing the poles /appurtenances so there are no missing items / installation requirements.

- Sheets 143 and 144 shows a variety of poles ranging from 7M to 20M in heights. Please confirm that we are only using the 20M poles for the SAS as shown on the contract plans.

The SAS structure only has 20 Meter poles to be installed within the construction area of the project.

The reason why the multiple sheets covering all pole heights got installed in the contract plans was that the details were scattered throughout the sheets.

The hand hole, bolt circle and other details that pertain to the 20-meter poles are in all different sheets.

Belvedere Poles & Appurtenance

- Sheets 211 and 214 show a discrepancy in Belvedere Poles heights. Sheet 211 shows 4.3M Mounting Height and Sheet 214 shows 3.5M Pole Height.
Please clarify the difference between Mounting Height and Pole Height.
Similarly, please specify what appurtenance shall be State furnished.

Attachment #3 (2/3)

There is a difference in the mounting heights as you suggest .
This needs to be looked into in depth and proper elevations determined before fabrication is done .

Extra: Overhead Sign Pole

- Sheets 29, 34, and 35 (PD-3, S3, and S-4) display a pentagon shape pole similar to the light poles mention above. The quantity is only 1.
FYI, the Department intends to include this pole as a State Furnished-Contractor Installed item.

I would not suggest placing this sign structure in the same category as the light poles to be state furnished.

The sign structure is weld to the post structure and requires shop drawings and approval from the Caltrans.

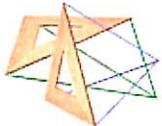
This is a different type of structure that needs special attention that is different than the roadway poles.

I would recommend that this structure be excluded from this package unless Caltrans wants it installed in the package .

Any questions or comments let me know.

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

Martin Chandrawinata/D04/Caltrans/CAGov



Martin
Chandrawinata/D04/Caltrans/
CAGov

12/10/2007 10:55 AM

To sugiyama@pbworld.com, Saeed
Shahmirzai/D04/Caltrans/CAGov@DOT
cc Bill Shedd/D04/Caltrans/CAGov@DOT, Michael
Travis/HQ/Caltrans/CAGov@DOT, April
Smith/D04/Caltrans/CAGov@DOT
Subject RFCO 18: Manufacturer & Make for Lighting
(ABF-CAL-LTR-319)

Eric, Saeed:

Recently ABFJV sent a Request for Change Order (RFCO) letter in regards to the 20M light poles and the Belvedere Poles in reference with RFI 159R0 and R1. These poles will be State Furnished-Contractor Installed. Before we send the response letter to ABF, I would like to clarify a few things with you because there seems to be a conflict in the contract plans:

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The light pole schedule (indicated on sheets 141 and 211) shows a total of seventeen (17) 20M poles.
Can you please clarify the discrepancy?

Attachment #3 (3/3)

- ABFJV indicated in the letter ABF-CAL-LTR-000319 that the appurtenance shall also be State-furnished items. Plan Sheet 143 depicts a marker light, luminaire carriage, luminaires, MVDS unit, and a lowering device. What does specifically the appurtenance include/exclude? It will make more sense to have all the appurtenances installed on this 20M pole before it is being installed.
- Sheets 143 and 144 shows a variety of poles ranging from 7M to 20M in heights. Please confirm that we are only using the 20M poles for the SAS as shown on the contract plans.

Belvedere Poles & Appurtenance

- Sheets 211 and 214 show a discrepancy in Belvedere Poles heights. Sheet 211 shows 4.3M Mounting Height and Sheet 214 shows 3.5M Pole Height. Please clarify the difference between Mounting Height and Pole Height. Similarly, please specify what appurtenance shall be State furnished.

Extra: Overhead Sign Pole

- Sheets 29, 34, and 35 (PD-3, S3, and S-4) display a pentagon shape pole similar to the light poles mention above. The quantity is only 1. FYI, the Department intends to include this pole as a State Furnished-Contractor Installed item.

Thanks Eric, Saeed!

Regards,

martin