STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

ENGINEER'S DAILY REPORT

LAN Engineering Consultant

REPORT NO. 646 {7-day}{ + 210 Project Work Day}

DATE September 19, 2008

M T W T F S S (DAY)

NORMAL WORK HOUR: START: 6:00AM STOP: 3:30PM

WEATHER: 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 GL 9-23-08
Senior Bridge Engineer

Office Work:

- **CCO Meeting (Caltrans – Design).**
  - Went over status of all ongoing CCO's in Design.
  - The following is a list of action items that were assigned to me:
    - CCO #59 – Develop an updated chart list for attachment to the response letter to ABF.
    - Review CCO # 70 with Sandy Michelotti due 10/10/2008.
    - CCO # 75 – Review with comments by 10/01/2008.
    - Develop concurrence letter for CCO # 79 – Tower Base MEP.
    - Develop concurrence letter for CCO # 90 – Architectural Enhancements @ Tower Elevation 53m.
- **CCO # 59/68 OBG/Tower Additional penetrations.**
  - Meeting with Bill Shedd and Gary Purcell to discuss the response to ABF Letter on the OBG and Tower additional penetrations. Bill is drafting up the response letter and Martin and I are updating the charts.
  - The final agreement at the end of the meeting was to draft a short brief response to the ABF Letter and attach a copy of the charts (Master & CCO) as references. This is not an author to proceed since the direction to proceed was established in the shop drawings and initial charts referencing the penetrations.
- **MEP Shop Drawing Work.**
  - Developed an updated layout sheet showing the location of the OBG penetrations in respect to the E2 cap Beam. The layout was modified to reflect the changes made in the shop drawings previously sent to me.
  - Commented on the location of the conduit sizes in respect to the E2 cap beam. I recommended changing a couple of the locations due to size of conduits and closeness to the cap beam.
  - See attachment for the layout sent to PB with my comments incorporated.

REC'D '08 SEP-27 #006745

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- **CCO # 75 Review Ongoing.**
  - Performing a complete review and comment package for the PB design group. Working with Sandy Michelotti on the package.

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

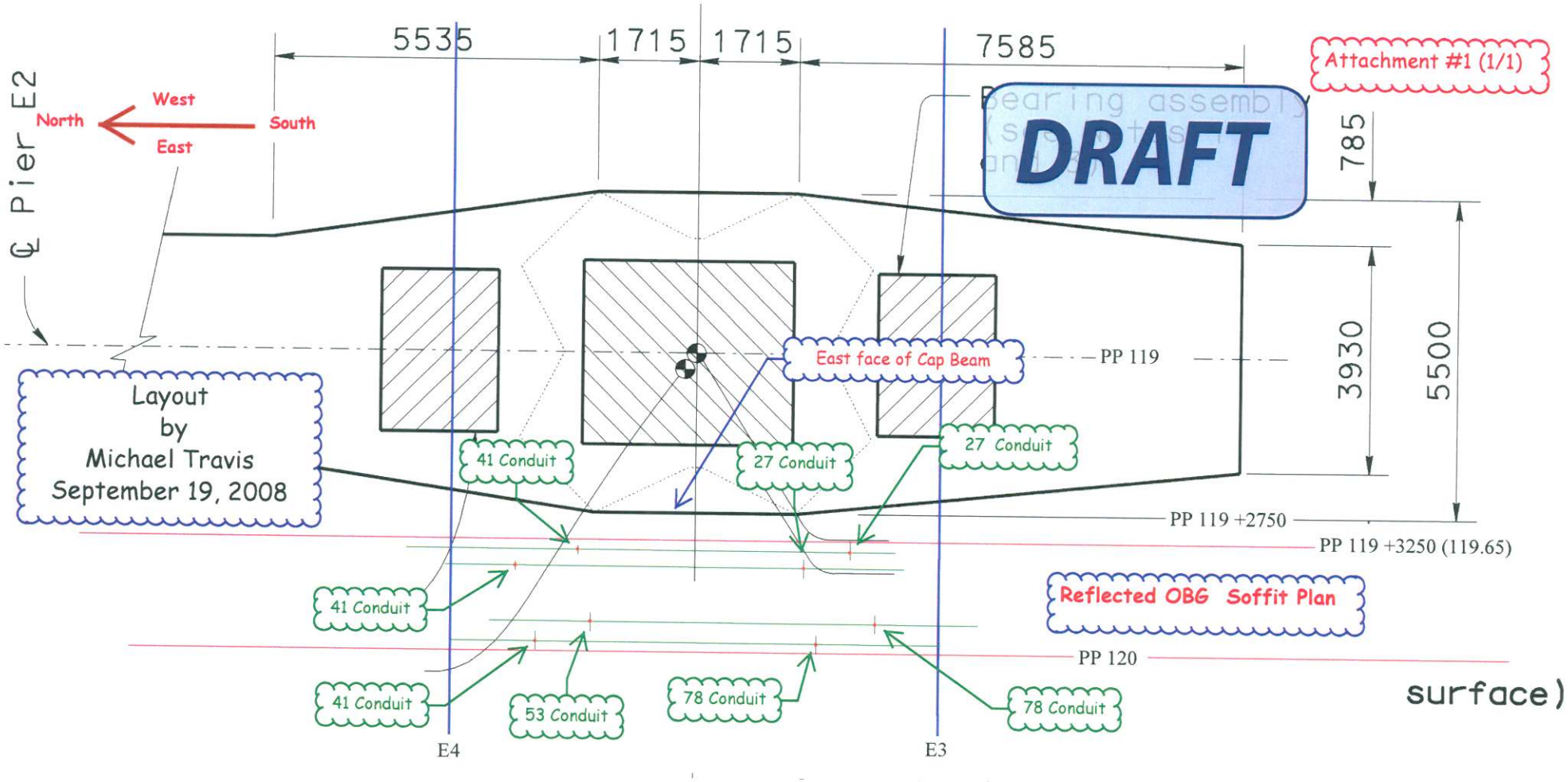
Work hours 0545-1730 – 10 hours regular

Attachments:

1. **CCO Meeting Minutes Sheet.**
2. **Shop Drawing Eastbound bottom plate layout with recommended changes.**

SIGNATURE

Name	TITLE
Michael F. Travis	Electrical Engineer – LAN Engineering


Attachment #1 (1/1)
DRAFT
℄ Pier E2
North
West
South
East
5535
1715
1715
7585
785
3930
5500
Bearing assembly
East face of Cap Beam
PP 119
PP 119 +2750
PP 119 +3250 (119.65)
PP 120
Layout
by
Michael Travis
September 19, 2008
41 Conduit
27 Conduit
27 Conduit
41 Conduit
41 Conduit
53 Conduit
78 Conduit
78 Conduit
Reflected OBG Soffit Plan
surface)
E4
E3

Attachment #2 (1/3)

MEP CCO WEEKLY STATUS MEETING NO. 053

September 12, 2008 - 9:00 a.m.

Attendees:

X	George Bou-Ghosn (CT)	X	Andrew Baumberger (TYLin)	X	Sandra Michelotti (CT)		Tom Ho (TYLin)
X	Bill Shedd (CT)	X	Scott Fabel (CT)	X	April Smith (CT) - Author	X	Rachel Liu (CT)
X	Grady Hart (CT)		James Duxbury (TYLin)	X	Martin Chandrawinata (CT)	X	Sharad (Sam) Patel (CT)
X	Michael Travis (CT)	X	Saeed Shahmirzai (PB)		Nick King (PB)		Trish Stoops (BATA)
	Mike Forner (CT)		Gary Pursell (CT)	X	Rob Feather (CT)	X	Alex Binai (BATA)

New Business:

Date	Issue		Action	Resolution
3/28	6	CT's TARGET ISSUE SEQUENCE		New sequence of CCOs in following order: 72, 43, 74, 55, 61, 75, 70 & 90. Unsequenced include: 73, 79 & 81.
7/18	16	Clash Detection - 3D modeling performed by TYLin	Tom to inform Saeed if PB is affected by any of the design changes.	PB to detail conduit routing for emergency access ramp/gate for bike path. (CCO 99)
9/5	17	RFIs 676R0 (PB) & 485R2, R3 (TYLin)	RFI will need to be added to CCO 31. PB to provide modified Sheet 57S1.	1-week
9/12	18	CCO 44	Three (3) Sheets to be modified (nut keepers) - Investigating options.	

CCO STATUS

CCO / CCR NO.	DESCRIPTION	MTG DATE	ACTIONS	PRIORITY	DUE DATE	BIC
43	**Lighting Revisions**					
	CCR 31 & RFI 159R0, R1, 464R0, 465R0, 466R0, 467R0, 1100R0, R1, Spec. Change	8/29/08	TYLin package submitted 8/28. PB draft due date is 10/1/08.	C	10/1/08	PB CT
		9/12/08	CT review of TYLin package due date is 9/16/08. PB draft due date is 10/1/08.		9/16/08	
	CCR 31 - State Furnished East Span Light Poles.					
55	**Service Platform Electrical Changes**					
	CCR 53 & RFIs 317R0, R1, R2, R3, 451R1, 474R0, 726R0, 1225R0 & SUBs 614, 608, Spec. Change	8/14/08	Draft due date is 10/1/08.	B	10/1/08	PB
	CCR 53 - TOS changes related to RFI 451 (Conduit routing)					
59	**Additional OBG Penetrations**					
	RFIs 834R0, R1	8/22/08	Update sent 8/11/08 in 05.03.01-002538.	A		CT
	Post New updated charts ASAP Master & CCO #59 MFT	9/12/08	Mike to update shart by 10/1/08.		10/1/08	

Attachment #2 (2/3)

CCO / CCR NO.	DESCRIPTION	MTG DATE	ACTIONS	PRIORITY	DUE DATE	BIC
61	**Electrical Warning Systems**					
	CCRs 32, 46 & RFI 873R0 & SUB 171, Spec. Change	8/29/08	Draft due date is 10/15/08. Mike T. to meet with Rocky to discuss relocation of fog horn cabinet.	B	10/15/08	PB CT
	CCR 32 - USCG Requirements for Lighting. Changes in NAV Lights NV-1	9/12/08	Saeed to direct Rocky to contact Mike. Martin to email "Electrical Warning System" letter to Saeed.			
	CCR 46 - Additional Fog Detection System, Fog, Bell, Horn per USCG					
68	**Additional Tower Penetrations**					
	RFI 1029R0, R2, R3	8/22/08	Update sent 8/18/08 in 05.03.01-002563.	A		
	Post New updated charts ASAP Master & CCO #59 MFT					
70	**Tower Utility Panels**					
	CCR 42 & RFI 1134R0 & SUBs 174-176, Spec. Change	9/5/08	Draft due date is 10/1/08.	A	10/1/08	CT
	CCR 42 - Tower Utility Panel changes, including panels, transformers, circuit breakers	9/12/08	PB Draft submitted 9/12/08. Sandy to lead review.		9/12/08	
			Review due by 10/10/2008 Sandy / Mike CT			
72	**Cable Electrical**					
	CCRs 45, 49, 66 & RFIs 270R0, 941R0, 942R0, 1189R0, 1244R0, Spec. Change	9/5/08	An issue was identified in CT informal review. PB to re-design brackets to allow for straps and additional CDMG criteria. Draft Due date is 10/15/08.	A	10/15/08	PB
	CCR 45 - FAA Aviation Lights CCR 49 - Main Cable Lighting CCR 66 - Tower Marker Lights					
73	**Bike Path Conduit**					
	RFI 969R0, R1, Spec. Change	9/5/08	Clive inspected flex mock-up. A rigid mock-ip field meeting is targeted for 9/12.	C	9/12/08	CT PB TYLin
	Unsightly conduit on Skyway & SAS	9/12/08	Field Meeting scheduled for 9/16/08.		9/16/08	
74	**Strong Motion System**					
	CCR 50	9/5/08	Draft due date is 11/1/08.	B	11/1/08	PB CT
		9/12/08	Martin to email "Strong Motion System" letter to Saeed. Date Change to 11/07/2008			
75	**Electrical Grounding**					
	CCR 58, RFI 1462R0	9/5/08	Package is under CT review. Due date is 9/12/08.	C	9/12/08	CT
		9/12/08	Package is under CT review. Due date is 10/01/08.		10/1/08	
79	**Tower Base MEP**					
	CCR 43	9/5/08	PB Draft Due Date is 1/09/09	C	1/9/09	PB
	CCR 43 - Tower interior design issued at 3-9m, lighting illumination deficiency & grating for sump pump		Concurrence Letter by Mike - ASAP			

Attachment #2 (3/3)

CCO / CCR NO.	DESCRIPTION	MTG DATE	ACTIONS	PRIORITY	DUE DATE	BIC
81	**TOS Modification**					
	RFI 1133R0	9/5/08	Martin to help draft a concurrence memo.	C		PB CT
	Relocation of TOS cameras at 144.165m to include new locations and new camera.	9/12/08	George and Martin working on concurrence memo. Saeed to email Sean Coughlin requesting recommendation.			
85	**Elevator Details**					
	RFIs 536, 734R1, R2, 1161R0 & SUB 235R0, Spec. Change	8/22/08	Steve Hulsebus scheduled a meeting for 9/11/08.	B	9/11/08	CT TYLin
	RFI 536 - Options of SP 10-4.05	9/12/08	Bill to email minutes of meeting and action items.			
	SUB 235R0 - Elevator Layouts, Electrical Schematics, and Hoist Calculations		TYLIN / Elevator Consultant to draft variance for Caltrans.			
90	**Architectural Enhancements @ Tower Elev. 53m**					
	RFIs 706R0, 707R0	8/22/08	Draft Due Date is 10/1/08.	B	10/1/08	PB TYLin CT
	Option 2 entails leaving conduit "as-is." Fabrication will not be impacted, but a new design layout of conduit is required.	9/12/08	Need concurrence memo.			
			NEWS - Clive rejected the wireway preliminary layout. This needs to be addressed ASAP.			
			Concurrence Letter by Mike - ASAP			
94	**Bridge Painting & Misc.**					
	RFIs 226R0, 447R1, 775R0, 1364R0, Spec. Change	8/14/08	Action plan has been developed and a cost estimate will be produced by 9/30. CT is working on draft Specs.	C	9/30/08	CT
	Railings, cable handrails, platforms & misc. visible items	9/5/08	Is Traveler Rail painted?			
		9/12/08	The Special Provisions states that the Traveler Rail is hot dipped galvanized.			
99	**Bike Path Details**					
		9/5/08	Nick to send PB scope to Scott. Scott to coordinate with Brian Boal's group who already issued ATP. ABF will be asked to submit a RFI for pipe support MEP issues.	A		
		9/12/08	PB to develop sketches of mesh changes to package for issuance of an ATP. Rob to verify if we've submitted redlines to ABF.			
	CCR STATUS					