

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION  
ASSISTANT RESIDENT ENGINEER'S  
DAILY REPORT  
BY WILLIAM SHEDD

File 46

Date: 12/06/09 through 12/12/09

**SELF-ANCHORED SUSPENSION (04-0120F4)**

Gary Pursell / Rick Morrow

Time Elapsed – 49%  
Completed – 48%  
Bid Amount: \$1,434M

Contract Approval Date: May 3, 2006  
First Working Date: May 18, 2006  
Est. Date of Completion – Spring 2013

**August ESTIMATE FIGURES:**

**Total of Estimate 42 to be paid in October 2009: \$14,409,588.13**

This is the updated information for the SAS Project (work done up to November 20, 2009). Attached, you will also find the CTI Sheets and Estimate Project Total for Estimate 43.

Percent Time elapsed: 49%  
Days: 1283  
Original Contract Days: 2,490  
CCO days: 150

Percent Work Completed to date: 48%

Paid to contractor on Estimate: 43  
Bid Items: \$5,264,751.40  
CCO's: \$8,241,455.18  
MOH: \$4,616,359.00  
Permanent Deductions: \$0.00  
Deduction: \$0.00  
Net Payment: \$18,122,565.58

Total Amount paid to contractor to date:  
Bid Items: \$441,483,827.85  
CCO's: \$285,130,700.90  
MOH: \$123,098,854.00  
Permanent Deductions: \$8,142.20  
Total Amount: \$849,705,240.55

Original Contract Bid Amount: \$1,434,085,935.00

**STATUS OF WORK:**

Office work

- The Department continues reviewing shop drawings and fabrication procedures for Bridge Deck, T1 Tower, Cable System, MEP Penetrations and Contract Change Orders.
- Requests for Information (RFI): 2611 received – 2579 (99%) responded
- Working Drawing Submittals: 5156 received – 5021 (97%) responded

Field/Marine work

- Pier W2 – Continue cable tie down stressing.
- Temporary Towers – Catwalk installation on West Line between TT 'G' and 'H'.
- T1 Trestle – Framing the access trestle from YBI to T1 will be completed on 12/11/09.
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Steel Fabrication (ZPMC, Shanghai, China Facilities)

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- OBG – Fabrication continues on Lift 9 thru Lift 12 for plates and Lift 9 thru Lift 12 for segment assemblies. Continue punch list and corrections are addressed for Lifts 1 thru 4 in preparation for first shipment to Pier 7.
- Tower – Continue work on Trial Assemblies for Lifts 1 and 2. Shaft assembly Lift 4 including exterior ladders and rails continues.
- MEP Penetrations continue to be installed on the OBG and Tower.
- Continue assembly of T1 Erection Tower Lift 3 thru 7.
- OBG Lifts 1-4 targeted to depart China on December 31, 2009.

Steel Fabrication (Other Facilities)

- Continue cable band casting and machining (GOODWIN, England).
- Continue fabrication of Parallel Wire Strand (SPCC, China). First shipment estimated time of arrival is ~~12/31/09~~ 2/17/10.
- Continue Hinge K - Fuses 1 through 8 (OIW, USA).
- Saddle fabrication for Pier W2, E2 and Tower Saddle continues (JSW, Japan).
- Rockers and Bearing Plate fabrication for E2 continue (JSW, Japan).
- Continue fabrication of Suspender socket and wire (WIRECO, USA).
- Continue E2 Shear Key and Bearing fabrication (HOCHANG, Korea).

## ASSISTANT RE'S DAILY REPORTS:

### **Monday, December 7, 2009**

- Cloudy and cold after snow last night.
- I stayed home and used a furlough day to work on my house.
- I worked on emails in the evening.

### **Tuesday, December 8, 2009**

- Clear and cold.
- I reviewed another WSWD and gave it to Gary for signature.
- I chaired the MEP pre meeting and we reviewed open issued related to RFI's, CCO's and Submittals.
- I emailed Bill O and suggested that we not meet to go over the scope and price of cco 42 because it has been resolved and included in cco 42. He and Sam Choy still want to meet. I suspect he wants us to tell him how much to pay Anna.
- I discussed and emailed the scheduling team regarding various issues including John's machine and the need for added software (Sequel server) to be supplied by ABF.
- I set up, attended and spoke at Larry's retirement lunch.
- The cco 70 CRM with PB was today but I did not attend. I discussed the results with Mike T and sam. We will discuss with Sandy tomorrow.
- I attended the China Call at 3:30. See agenda in my notes.
- I spoke with Gary on the phone from China in the evening regarding the Scheduling software needed and the status of CCCO 42.

### **Wednesday, December 9, 2009**

- Clear and cold.
- I sent out Martin's field Report.

I discussed the need for added air plumbing for the traveler with Glenn and Clive. This could mean a huge change order and impact to the contract. I sent the following email: Recently there has been some discussion regarding the traveler and the desire for convenient air pipes to power the traveler and any pneumatic tools and equipment employed on the traveler. The contract has 4" air pipes

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along both edges of deck along both deck sections. There are no air pipes under the soffit, closer to the traveler. This configuration necessitates the need for maintenance personnel to drop an air hose from the edge of deck, where it could connect an air pipe at the edge of deck to the traveler. If the traveler actually needs to travel, it will be limited to the length of the air hose, before it will need to be disconnected at the deck and reconnected to another location that will allow further travel.

It is possible that this arrangement was considered and deliberately chosen to avoid the visual impacts of more exposed plumbing. It is also possible that this is an omission that needs to be rectified.

Construction wants to minimize impacts to the contract and progress, maintenance wants to be able to service the bridge, and the architects wants a bridge that is pleasing to the eye. I suggest that we all try to remember, or dig up any history, regarding this issue and prepare to discuss the best path forward.

- I met with the scheduling team to prepare for the meeting with ABF.
- I had a flat tire at lunch. I went to the SFOBB vehicle maintenance yard and got a new tire. They could not install it.
- I attended the scheduling meeting with the Contractor. See notes on the agenda in my file.
- I discussed Keith's draft letter to the Coast Guard regarding the nav lights on the traveler.

**Thursday, December 10, 2009**

- Mostly overcast and cool with drizzle.
- I attended the senior staff meeting.
- I worked on diaries.
- I reviewed the status of cco that are on the 4-week schedule that are related to MEP.
- I took my vehicle in to get the tire replaced.

**Friday, December 11, 2009**

- Mostly overcast with showers.
- I attended the CCO MEP meeting. See agenda.
- I reviewed CCO 131 MOH for MEP and discussed it with Kick.
- I responded to several emails regarding the Air plumbing for the traveler. I also discussed it with Boal and with Gary over the phone.
- I discussed cco 42 with Bill O. He wants a meeting this Tuesday. I discussed with Jake and he will prepare.

**Saturday and Sunday, December 12 & 13, 2009**

- No MEP work planned.



William B. Shedd,  
SENIOR CONSTRUCTION ENGINEER