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Pursell/D02/Caltrans/CAGov  
08/08/2007 05:11 PM

To Faletine Bell/D04/Caltrans/CAGov@DOT  
cc  
bcc  
Subject Fw: Summary of week's events - Team China

Fal, please file in the project records...as a diary?

----- Forwarded by Gary Pursell/D02/Caltrans/CAGov on 08/08/2007 05:08 PM -----

Peter  
Siegenthaler/D04/Caltrans/C  
AGov  
08/05/2007 05:09 AM

To Tony Anziano/D04/Caltrans/CAGov, Brian  
Maroney/D04/Caltrans/CAGov, Ken  
Terpstra/D04/Caltrans/CAGov, Jon  
Tapping/HQ/Caltrans/CAGov, Gary  
Pursell/D02/Caltrans/CAGov, Rick  
Morrow/D04/Caltrans/CAGov, Jason  
Tom/D04/Caltrans/CAGov  
cc  
Subject Summary of week's events - Team China

The past week was a pretty good for the road to fabrication, highlighted also by the visit from Tony and the ABF board members who were here in Shanghai for meetings. The WQCP was approved (with comments as noted) on Pier 7; it will now be translated into Chinese. The MFSQA is coming along and should be completed in the coming days. Bending of the rib plates was also went well after much trial and error - 10 consecutive plates were successfully produced within the necessary tolerance. The plate cutting for the Caltrans mock-ups also commenced this week. Good progress overall.

The meeting on Wednesday, August 1, 2007 between ZPMC, ABF and Caltrans provided an exchange of thoughts and concerns by ZPMC. ZPMC is moving ahead with qualifying CWIs; 40 to date on their way to a goal of 80 to 100. ATEMA (Chicago, ILL) has been hired by ZPMC to provide the training for CWIs. Mr Cao expressed an interest (or wish) that ZPMC could rely on ABF-CT to let them know of issues as they arise. On a question from Mike Flowers (MF), Mr Chen Bin talked about the 3 biggest problems/challenges as the fab operations commence:

1. Fab Procedures - even though they are being perfected now, in real production changes will be required. These have to be approved, and time will be short to make the necessary changes
2. QC - there will be a challenge to enforce all the requirements during production - how can QC keep their eyes on all possible problems
3. Shop Drawings - no one can ensure the drawings are good; lateness and possible mistakes

ZPMC continues to bring up the drawing process, and the name Candraft keeps coming up. About 50% appear to be approved, but that is not sufficient for ZPMC as they express the need to have all the drawing to plan their work.

The material delivery seems to be going ok. No big problems. 18k Tonnes on site, 6k T checked.

MF committed to solving problems here in Shanghai with Caltrans; and as a team facilitating solutions. MF will look into bringing key personnel from Candraft to Shanghai. And if Design's presence required, we would be looking to bringing Design to Changxing Island.

Review of the shop operations. The new production facility (new building) for the tower work is coming along well. The slab is mostly poured, and installing the equipment comes next. The building was originally reserved for all the tower work, but from what we hear it will now mostly used primarily for the

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tower assembly work - so no longer on the critical path for tower fabrication. It appears the tower fabrication will be ongoing in one of the bays near the OBG facility. These other facilities are pretty well organized and equipment is being added every day. It has been reported that a second milling machine will be brought in for the tower work. A second welding machine will also be service. This can be seen by the second pair of rails that are being installed right now, and it will be located parallel to the existing Lincoln welding machine. It appears ZPMC is going all out to procure all the equipment necessary to be successful.

Nevertheless, Team China has developed a protocol for all the equipment on the shop floors whereby the importance and criticality of the equipment is assessed, and possible mitigation is identified so as to minimize any possible downtime. This information will be an ongoing effort, and I will send it along in a subsequent mail. (Team China is still somewhat challenged with simple tasks like making copies, or scanning e-copies when not on Changxing Island.) The new office in September should solve this.

Attached are some pictures from the fab shops on Changxing Dao



Aug 1-07 Pics from ZPMC Fab Shop.pdf

the video clip shows the bending of plates into ribs....courtesy of Stanley Ku



Rib Bending Clip (August 1-07).wmv

#### Ongoing/Upcoming Items

- UT procedures
- working out the details for rib welding; this still appears to be a significant hurdle
- Qualification of welders/CWI ongoing
- The fine grain requirements for steel material is not clearly established; METS awaiting certification and/or MTR from the mill
- Training by ABF slowly coming along; am not clear how effective this might be in the long run....will watch and try help where possible