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STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

File: 46.

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Assistant Resident Engineer

Report

SFOBB East-Span  
Seismic Retrofit  
Project (SAS)

Robert Kobal

Week of 2012-09-10

**SAS Bridge Travelers/Skyway cleanup**

**Mon 2012-09-10**

Attended general staff meeting.

Attended Champions meeting.

Worked on security guard instructions.

Discussed traveler material certification paperwork with Barb McDowell. The transmittal is a large pile of documents with unclear organization and content. She worked with Ida Goldenberg at Westmont to get some index information and make sure we have all the documents. However after a while it became apparent that among the disorganization, there are testing frame documents, which is a temporary structure. Document Control will reject the transmittal and request resubmittal.

Nicolai Hvass stated that METS is continuing to work on properties of the traveler plywood replacement product. I asked for a written report of properties determined to date in the hopes that we can do some evaluation with Bill Casey and Design so that direction can be provided to the Contractor for the Skyway travelers.

Worked on BASE cameras.

Worked on RFI 2610R2.

**Tue 2012-09-11**

Attended corridor coordination meeting

Attended YBI Ramps PDT meeting.

Worked on RFI 2610R2 and issued responses to RFIs 2978 and 3013.

Worked on BASE cameras.

I went to the field with Clive Endress to discuss the alignment of OTD bike path handrail. The railing is relatively plumb and has good vertical alignment, but the top of rail horizontal alignment is not a smooth profile; it contains a number of kinks where either the divider panel is skewed because the two adjacent long panels are not in the same plane or all three panels simply bow out.

Comparing the present to before pictures, the current installation alignment is similar to the original installation of the railing. Part of the reason for this issue is that the alignment of the rail post anchor plates has similar problems. These plates are also not level in both directions which complicates the shimming needed make the railing plumb and secure to prevent wobble. Most of problems of cross

threaded and stripped bolt holes were corrected during reinstallation. Some of the longer rail sections are not straight and a couple appear to bow out in the opposite direction of the curve of the bridge. Further, there are multiple locations under the bottom rail of the railing where the gap approaches 5.5 inches, which restricts options for shimming. The panels are relatively stiff, it is not clear how much wracking (twisting) will be possible to change the horizontal alignment within a given long panel.

Clive is requesting that the alignment be improved, he indicated that leaning the posts to improve the horizontal alignment might be acceptable.

**Wed 2012-09-12**

Attended SAS senior staff meeting.

Worked on BASE cameras.

Worked on pay estimate approvals.

Worked on RFI 2610R2.

I viewed the OTD handrails today with Bob Dameron and Ashley Atakata of Moffatt Nichol, and Andrew Baumberger of TYLin. The recommendation is to survey the horizontal and vertical alignment of the handrail to assist with adjusting the alignment in both directions, then shimming posts with half shims as needed to improve the horizontal alignment, acknowledging that this will cause some posts to lean out of plumb.

**Thur 2012-09-13**

Met with Clive, Nicolai, and Andy Rogerson to discuss bikepath riding surface (non-skid) paint colors. Clive determined that he wants to continue with the contract specified colors and acknowledged that both are darker than the current faded colors of the path. However he is concerned about the contrast of the faded colors for visually impaired.

I asked Mark MacDonald and leadworker Matt of ABF to shim an OTD handrail section to remove the kink so we can see what the railing looks like out of plumb. They will do it tomorrow or early next week.

Prepared for and lead the Traveler meeting- see meeting notes.

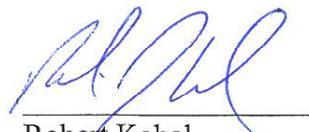
**Friday 2012-09-14**

Furlough day

**Sunday 2012-09-16**

8 hours

Worked on office cleanup, filing, completing diaries.



Robert Kobal  
Senior TE