

04-0120F4
04-SF, ALA-80-
12.2/14.3, 0.0/2.7

Assistant Resident Engineer

Report

SFOBB East-Span
Seismic Retrofit
Project (SAS)

Robert Kobal

Week of 2012-09-17

SAS Bridge Travelers/Skyway cleanup

Mon 2012-09-17

Attended general staff meeting.

Attended ABF/CT senior staff meeting.

Attended Champions meeting.

I looked at the OTD railing where one panel was adjusted to remove the kink. To improve the horizontal alignment, the railing was leaned over 2 inches out of plumb. I discussed this with Clive Endress, we will go to the field to further evaluate.

I observed the first shipment of traveler trolleys in the Warehouse.

Worked on CCO 232S1 estimate.

Tue 2012-09-18

Attended corridor coordination meeting

Prepared for and lead the Skyway cleanup meeting, see meeting minutes.

Worked on RFI 2610R2. Per discussion with Tim Silke, John Otter and Andrew Baumberger, we are going with option 6- a plug in the bottom of the actuator tube, secured into the bottom of the tube with set screws. Factors in this decision are:

- Enerpac has written an email to Westmont with some pricing (\$1275 per jack- plug installation only but otherwise unclear scope, does not include handling and Westmont costs), stating that they recommend option 6, but I'm told the recommendation is based on John's recommendation as designer.
- Tim Silke has clarified that he is concerned that the plate on the top of the gear mechanism housing is not strong enough to accommodate a stop nut hitting it.
- The replacement boots for the stop nut (option 3) are quite pricey, \$500 to \$1000 range, plus John Otter required further analysis of the screw strength with a set pin through it.

Discussed painting the actuators with Tim Silke per previous direction from Bill Casey/Clive. It appears possible but need more detail on procedure and the current paint material data sheets.

Worked on BASE cameras and security guards.

12 OCT-1 PM 2:49 22063

Discussed bikepath color contrast with Sri Balasubramanian, HQ ADA. He stated that the color contrast is for pedestrian paths to distinguish them from vehicular traffic, but did not think that bikes qualified as vehicles in this case. He will investigate and get back to me.

Wed 2012-09-19

Responded to RFI 2610R2, 3032, and submittal 1905R101.

Went to the field with Ken Terpstra, Clive Endress, Steve Hulsebus, Gary Thomas(METS) to discuss OTD rail alignment. We agreed that the order of precedence is alignment criteria is vertical profile most important, horizontal alignment second, plumb railings third with the caveat that 2" out of plumb is the maximum tolerance, provided that adjacent railings are likewise adjusted so that the lean is not immediately obvious. However, Clive is not in full agreement with this order precedence. We discussed that adjustment of the railings will be accomplished using tapered shims, both full size and half size, to the extent that the railing panels will distort. Note that the long panel we observed did distort (twist) a little, however at some point the plastic washers start to fail in compression and the steel washers start to bend (base holes are slotted). These failures, and the potential to strip the anchor hole, limit the effectiveness of further bolt tightening to distort the panel. I will have a survey done, of the horizontal and vertical alignment and lay both out on a graph so we can see what we have to adjust and what we can live with. The alternative is to cut off and re-weld the rail post base plates and /or anchor plates. These options are not desirable because of the work involved and they will have their own aesthetic impacts.

We also discussed bikepath color differential. Sri had gotten back to me to confirm that he thinks the color differential does not apply. Steve Hulsebus and Sri will discuss.

I discussed bikepath nonskid painting of hinge cover plates with Darryl Schram, the revised plan sheets will become CCO 236S1.

Thur 2012-09-20

Attended Safety meeting.

Discussed OTD railing with Bill Casey. ABF has declined to do further work on the OTD railing.

I asked Gary Thomas and Nicolai Hvass again for the materials data on a traveler plywood replacement product. They said the material is still being tested but would provide interim information.

Attended TBPOC meeting in Sacramento to discuss BASE cameras. TBPOC approved the Camera CCOs, but still wants information on the impact to other toll bridges before committing to the full \$26M cost.

ARE Report (continued)
SAS Bridge Travelers/Skyway cleanup
Robert Kobal

Page 3 of 3

Friday 2012-09-21
Worked on RFI 3033

Discussed OTD rail alignment with Clive, Bill, Marcos McManus. We discussed having another contractor do the work, but first we need to get Design to design a fix. Action items are get a survey of the base plates and discuss with Design.



Robert Kobal
Senior TE