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

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

File: 46.

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Assistant Resident Engineer

SFOBB East-Span  
Seismic Retrofit  
Project (SAS)

Report

Robert Kobal

Week of 2012-12-17

**SAS Bridge Travelers/Skyway cleanup**

**Mon 2012-12-17**

Attended Caltrans PRSM training.

Worked on CCO 210S1 plan sheets and CCO 217S1 scope revision.

Worked on monthly progress pay estimate.

**Tue 2012-12-18**

Attended Caltrans PRSM training.

Worked on CCO 232S1 estimate.

Worked on CCO 272. ABF has declined to do the Skyway travelers deck replacement work but will order the materials for it with the SAS traveler deck materials. Per Bill Casey, the installation work can be done by a different contract.

Worked on cable security gate with Clive Endress and Zhara Sadat. During the discussion I called Dane Lobb, CHP, who stated that the previously requested anti-climb mesh to limit accessibility around the gate is not required due to the height of the gate off the bridge deck (see confirming emails attached).

**Wed 2012-12-19**

Furlough Day

Worked on Cable security gate. Discussed with Clive Endress and Andrew Baumberger the details of the gate. TYLin is working on the mounting details of the gate. TYLin will send out results from this meeting so that the simulations can be revised in time for a meeting in January to finalize.

**Thur 2012-12-20**

Attended Safety meeting.

Moffat Nichol has reviewed the OTD1 bikepath handrail alignment issue and is recommending that the railing be leaned out of plumb to fix the alignment rather than provide details for changing the base plates as was previously requested. I requested additional detail for their recommendation.

Worked on cable security gate.

Did not conduct the regular traveler meeting today, but discussed traveler issues with Chris Bausone. We discussed with Adam Kreger having METS inspection release the supplementary platforms. The previous paint concerns have been resolved by performance of the CCO 242 finish paint work. Also discussed CCO 232S1, RFI 3141, Westmont shipping plans, and traveler decking replacement issues. I called Jennifer Grimf at Enerpac, who says they plan to ship actuators approximately 1/14/13.

Worked on CCO 272.

**Friday 2012-12-21**

Worked on CCO 232S1 estimate.

Responded to RFI3141R0.



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Robert Kobal  
Senior TE

1 of 2



Dane Lobb  
<DLobb@chp.ca.gov>  
12/18/2012 02:08 PM

To Robert Kobal <robert\_kobal@dot.ca.gov>  
cc  
bcc  
Subject Re: Cable gate question

History: This message has been forwarded.

Rob,

Per our discussion. The fact that the gate is higher up on the cable and up to 25+ feet above the deck would make the current design acceptable.

Dane

Lt. Dane Lobb  
California Highway Patrol  
San Francisco Area  
455 8th Street  
San Francisco, CA 94103  
415-557-1094

>>> Robert Kobal <robert\_kobal@dot.ca.gov> 12/11/2012 8:03 AM >>>

Dane,

as we work through the details of this gate on the cable, some questions have arisen about the mesh you are recommending to be placed on the sides to prevent someone from placing a foot in the pickets and climbing around the side of the fence.

1. Please confirm the vertical dimension of the mesh. We are looking at matching the hand rail height which is 54 inches from the center of the cable or 38 inches from the top surface of the cable. Note that there will need to be a bar of some type to support the top edge of the mesh. (see discussion below)
2. What is an appropriate mesh spacing? We are looking at 2"x2" welded wire mesh, possibly going smaller to 1"x1".

Recognizing that for a determined individual, the gate fence is at best something to slow them down -with or without the mesh-, and aesthetically we want avoid a huge solid looking mass, we think this is a good middle ground because the cable handrope provides something for an individual to stand on, a higher panel of mesh that does not go to the top of the fence simply provides a ladder over the fence.

Attached for reference is a rough rendering of the gate as seen from the bikepath. Note that the mesh is shown all the way to the top of the fence, we are considering only half height. The top of the mesh will probably be radiused, meaning that the mesh cannot be cut along a horizontal wire; an added bar/wire will be needed to "finish" the top edge. We think we have a solution to get the gate on the downhill side of the light fixture, but the details of that remain to be solved.

(See attached file: Cable Gate Rendering from bikepath\_12-10-12.pdf)



Dane Lobb  
<DLobb@chp.ca.gov>  
12/18/2012 02:09 PM

To Robert Kobal <robert\_kobal@dot.ca.gov>  
cc  
bcc  
Subject Re: Cable gate question

2 of 2

Rob,

Sorry, I forgot the mess<sup>SH</sup> part. No mesh would be needed due to the height above the deck.

Dane

Lt. Dane Lobb  
California Highway Patrol  
San Francisco Area  
455 8th Street  
San Francisco, CA 94103  
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