Angela Haack/D04/Caltrans/CAGov
10/25/2011 01:31 PM

To Joe Garcia/D04/Caltrans/CAGov@DOT
cc
bcc
Subject Fw: Extra Cable Mounted Roadway Lights

CCO 167S2

Angela Haack
CCO Engineer
SFOBB - SAS
(510) 622-5196

----- Forwarded by Angela Haack/D04/Caltrans/CAGov on 10/25/2011 01:27 PM -----

Steven Hulsebus/D04/Caltrans/CAGov
10/25/2011 01:27 PM

To Bill Shedd/D04/Caltrans/CAGov@DOT, Bill Casey/D04/Caltrans/CAGov@DOT
cc Angela Haack/D04/Caltrans/CAGov@DOT, Clive Endress/D04/Caltrans/CAGov@DOT, KingN@pbworld.com, Saeed Shahmirzai/D04/Caltrans/CAGov@DOT, Jing Z Chen/D04/Caltrans/CAGov@DOT
Subject Re: Extra Cable Mounted Roadway Lights

Bill/Bill,

Here is our request for CCO on this matter: SAS CCO main cable lights.pdf
Bill Shedd/D04/Caltrans/CAGov

Bill Shedd/D04/Caltrans/CAGov
10/12/2011 03:45 PM

To Steven Hulsebus/D04/Caltrans/CAGov@DOT
cc Bill Casey/D04/Caltrans/CAGov@DOT, Saeed Shahmirzai/D04/Caltrans/CAGov@DOT, Clive Endress/D04/Caltrans/CAGov@DOT, Angela Haack/D04/Caltrans/CAGov@DOT, KingN@pbworld.com
Subject Extra Cable Mounted Roadway Lights

Steve,

As discussed, at last week's visit to Musco to observe the progress of the light poles and light fixtures, there were discussions regarding extra cable-mounted roadway light fixtures at the following 2 locations:

1. At Panel Point 80 of the east end of the e/b side of the SAS, the plan calls for only 2 light fixtures. All of the other clusters have 3 fixtures. Musco indicated that 3 light fixtures would be required to meet the lighting standards of the contract. Therefore, an additional fixture is required.

2. At the same Panel Point, on the w/b bridge, there are no fixtures. The minimum light could probably be achieved, but there will be only 8 clusters of cable-mounted roadway light fixtures, while on the e/b side there will be 9 clusters. Clive indicated that the addition of three fixtures would create

symmetry.

Upon your direction, we will proceed with this CCO.

Thanks,

Bill Shedd
Construction Senior, SAS Bay Bridge

State of California
DEPARTMENT OF TRANSPORTATION

Business, Transportation and Housing Agency

Memorandum

Flex your power!
Be energy efficient!

To: BILL CASEY
Supervising Engineer
SFOBB SAS

Date: October 25, 2011

File: 04-SF-80-13.2/13.9
04-0120F4
SAS

Attn: Kannu Balan/Bill Shedd

From: STEVEN HULSEBUS
District Division Chief
Office of Toll Bridge Design

Subject: Contract Change Order Request- for adding light fixtures on the main cable.

Please initiate a contract change order to add extra light fixtures for achieving the necessary light level and providing symmetry and uniformity across the SAS at the following two locations:

1. At Panel Point 80 of the eastbound side of the SAS, the plan calls for only two light fixtures, an additional fixture should be added to meet the lighting standards of the contract per information provided by Bill Shedd in his e-mail of 10/12/11.

2. At the Panel Point 80 of the westbound side of the SAS, there are no fixtures in the contract plan. It is requested to add three light fixtures to maintain symmetry and uniformity with the eastbound side per input from the bridge architect and Clive Endress

Justification for these requests comes from Clive Endress and the bridge architect (Don MacDonald). Quoting from Clive:

"Please provide an additional bracket with light fixtures on the main cable (westbound) of the SAS to provide symmetry and uniformity across the span.
Especially in a westbound direction, the main suspension cables act as a portal, or gateway to the main span and tower. The light fixtures which are attached to and arranged in clusters (of 3) along the cable are located such that they are opposite each other in east and west-bound directions; they are an important element in reinforcing the symmetry of this gateway experience. Although a first cluster of lights (west-bound) is apparently not necessary for required light levels, it is a very important element architecturally in maintaining the symmetry at this point on the bridge. It is therefore recommended that this cluster of three lights be added to the main cable at Panel point 80."

If you have any questions or need additional information please contact me at (510) 286-5085.

Cc: K.Terpstra, J. Uozumi, M. Ma/J. Chen