

## Memorandum

**To:** Caltrans Construction  
333 Burma Road  
Oakland, CA 94607

**Date:** 02/22/13  
**File:** 04-0120F4  
04-SF,Ala-80  
SFOBB East Spans  
SAS

**Attn:** Bill Casey

**Subject:** CCO #37S4 Cable System Non-Skid Spec Change

It is requested that a contract change order be issued to incorporate the following changes:

**REVISED PLANS:**

N/A

**SUPPLEMENTAL PLANS:**

N/A

**SPECIAL PROVISIONS:**

1. In the Special Provisions, Section 10-1.71, "CLEAN AND PAINT CABLE SYSTEM," subsection "MATERIALS," the eleventh paragraph shall be revised as follows:

“A minimum of four ounces of polyolefin beads conforming to the properties in the following table shall be added to each gallon of finish coat applied to horizontal or walking surfaces. Apply the finish coat with polyolefin beads to the shrouds, the top flange of the cable bands, and to the top 90 degrees (45 degrees from top dead center) of the main cable. The beads shall be added to the finish coat prior to application and be thoroughly dispersed into the coating during normal mixing procedures. The cured finish coat, following addition of polyolefin beads, shall have a minimum average slip-resistance of 0.50 when wet as determined in accordance with ASTM Designation: F 1679. Additional beads shall be added if the average slip-resistance fails to meet this requirement as determined by the Contractor's independent laboratory upon testing of a sample of the finish coat. A copy of the slip-resistance testing results shall be furnished to the Engineer prior to application of finish coat.

Property	Requirements
Composition	Polyethylene or Polypropylene or a combination thereof
Appearance	White free-flowing powder
Size	<del>210 to 300 µm</del> <u>328 to 663 µm</u>
Specific Gravity	0.90
Initial Melt/Softening point	-6°C
Final Melt Point	166°C
Flash Point	greater than 275°C

2. In the Special Provisions, Section 10-1.71, "CLEAN AND PAINT CABLE SYSTEM," subsection "PAINTING," the thirteenth paragraph shall be revised as follows:

"The finish coat shall be applied in accordance with the manufacturer's recommendations. The finish coat shall be applied to produce a uniform coating. The dry film thickness of the finish coat shall be between 35 µm and 50 µm. For the finish coat with polyolefin beads, apply a wet film thickness of 250 µm to achieve a dry film thickness of between 75-100 µm."

Any questions regarding this request should be directed to Marwan Nader at (415) 291-3731.

Regards,

T.Y. Lin International – Moffatt & Nichol (J.V.)

Marwan N. Nader, P.E.  
Project Manager, SFOBB-SAS

Enclosure

cc: James Duxbury, T.Y.Lin International  
Andrew Baumberger, T.Y.Lin International  
Carol Choi, T.Y.Lin International