

9750400 STRUCTURAL COATING MATERIALS
COMMENTS FROM INTERNAL/INDUSTRY REVIEW

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Comments: (11-30-20, Internal)

In review of the proposed Specification Change for 9750400, we have the following questions / concerns:

Specification 975-4 now includes Aluminum Poles, Pedestals and Posts. Sections 649 and 646 are specifically addressed but not Section 715.

Question #1; How will 715 pay items be covered by the 975-4 proposed specification change?

Response: Section 715 has also been revised to cover the paint requirements for conventional light poles. Additional language has been added to 975 for clarity.

Scott Arnold
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Comments: (12-10-20, Internal)

I think you referenced the wrong Section for the coating properties, see comments in attached file.

Response: Thank you for your comment. Change made.

Frank Rea
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Comments: (12-18-21, Industry)

Frank Rea, PCS, Consulex 8.0 delta E*ab units is a rather large difference. The human eye can detect a difference of 0.5 units. Also, the delta E*ab is calculated from three values: delta L*, delta a*, and delta b*. If the delta E*ab difference is influenced by any one value and not the others, the color difference can be undesirable but still meet the 8.0 delta E*ab unit difference requirement. Consulex recommends a delta E*ab difference after 5 years that does not exceed 3.0 units.

Response: This additional change would be outside the scope of the current proposed changes. The 8.0 delta E value was agreed upon by FDOT and industry for painted galvanized mast arms and the same is now being applied to painted aluminum. Any change to this value (especially a reduction) would need to first be vetted by industry. Our current method of measurements takes into account the average change in color and gloss across the entire surface. This tries to account for variations that occur over the lifetime of being erected on or near a roadway. These events include handling damage, pedestrian impacts, graffiti, and relative position to the sun.
