

7000201 HIGHWAY SIGNING
COMMENTS FROM INTERNAL/INDUSTRY REVIEW

Karen Byram
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Comments: (10-30-15)

I have reservations allowing any other material solely based on approval by the sheeting manufacturer. The Department needs durability in a sign panel even for retroreflective strips. Durability is a requirement that a sheeting manufacturer does not consider. Aluminum panels are used because they are non-corrosive, are not affected by UV degradation, have sufficient rigidity in winds, and are not affected by water or pesticides to name a few characteristics. Polymers and other materials are not guaranteed to have these characteristics.

The Department would be better served to identify key characteristics needed by alternative materials and include them in the specification than only relying on sheeting manufacturer approval.

For example: alternative materials must impervious to water and pesticides, and retain values of rigidity and ductility equivalent to an aluminum panel for a minimum of 12 years. Alternative materials must be approved by the Department.

Response:

Pat McCann
954 254-8317
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Comments: (11-19-15)

This seems too vague to be acceptable/useful. Consider that signs need to be durable to all weather conditions. Suggest no change unless another material is specified.

Response:

Karen Byram
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Comments: (12-1-15)

The language in the second sentence needs to be modified to add material qualifications to he alternative material. The material needs to be rigid, impermeable to weather, capable of providing a 12 year service life and weigh less than an aluminum panel.

Response:

Paul Gentry

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Comments: (12-3-15)

The present Specification 700-1.2.4 states that the R1-1, R1-2, R5-1 and R5-1a signs must use a sheeting system that includes a colorless film overlay. For Type XI sheeting applications are we going to require the colorless film overlay on the YIELD and DO NOT ENTER retroreflective strips, seeing as how we require it for the signs?

Response:

Brian Hermany
561-370-1140
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Comments: (12-3-15)

1. If attaching an 18 gauge (0.040) aluminum panel to a post without drilling holes, one must use stainless steel straps. Attaching a stainless steel strap to a piece of aluminum which is only 3/64" thick will be very difficult and likely not last very long due to metal fatigue. (Unless the straps are placed on top of the panel and wrap the post, which may obscure some of the reflective sheeting). Suggest using a standard 12 gauge (0.08) panel as our 2016 Specification allows for regular sign panels.

Response:

2. Another comment for the retro reflective strip application. Why not just apply the adhesive backed reflective material directly to the sign post? No special bracket, tools or hardware needed. The 2" minimum width, as well as the 60" height could easily be achieved on either round or W beam vertical posts.

Response:
