

9900301 TEMPORARY TRAFFIC CONTROL DEVICE MATERIALS
COMMENTS FROM INTERNAL/INDUSTRY REVIEW

Dan Hurtado
414-4155
dan.hurtado@dot.state.fl.us

Comment: (Internal 6-23-10)

990-10.1.2 Red/Yellow Lens Automated Flagger Assistance Devices: (Last sentence) “Ensure that the steadily illuminated circular yellow change interval has a duration of at least 5 seconds, unless a different duration, within the range of durations recommended by MUTCD, is justified by engineering judgment.” – This is subjective. Whose engineering judgment? Also, the use of 3 commas alters the meaning of the sentence. This sentence should be re-written.

Response: The Engineer may approve different durations. Change made.

Also, the following sentence appears twice in the section listed above:

“Ensure the Gate arm is fully retroreflectorized on both sides, and shall have vertical alternating red and white stripes at 16-inch intervals measured.....” Use of the words “Ensure” and “shall have” mix active and passive voice. This sentence should be re-written in both locations.

Response: Agree, change made.

Ensure the Gate arm is fully retroreflectorized on both sides, with vertical alternating red and white stripes at 16-inch intervals measured

990-9 Temporary Raised Rumble Strips and
102-9.15 Temporary Raised Rumble Strip Sets

These sections describe the position and spacing of the strips, but not their length (unless I just missed it.) Are the strips to extend the full width of the lane. I don’t see a length requirement in the Spec.

Response: Agree, change made. Updated 102-9.15 to point to the index for installation details. Install the temporary raised rumble strip sets per the manufacturer’s recommendations and in accordance with Index No. 600.

Barry Smith
414-4776

Comments: (7-6-10)

1. 990-5

(e) Adhesion: Use bituminous adhesive materials recommended by the marker manufacturer for bonding the markers to the pavement. The adhesive used shall meet the requirements of Section 970 and be one of the products listed on the QPL.

Recommend:

Use bituminous adhesive materials for bonding the markers to the pavement that meet the requirements of Section 970 and are listed on the QPL.

Response: Agree, changed to: (e) Adhesion: Use bituminous adhesive materials for bonding the markers to the pavement that meet the requirements of Section 970 and are listed on the QPL.

2. The MUTCD allows white and yellow also for the color of the Temporary Rumble Strip, should we too?

Response: Agree. Table in 990-9.1.1 Color - Changed to White, Black or Orange as the 2009 MUTCD.

Paul Gentry
414-4118
paul.gentry@dot.state.fl.us

Comments: (7-12-10)

The testing requirements for 990-9-9.1.1 Removable Polymer Striping tape need to have the following addressed: Fade Resistance specifies to use ASTM G-23 Method H. This method has been withdrawn and superceded by G152 and G153. Are these methods to be used? Tensile Strength has a requirement of 250 psi minimum, but specifies no actual test method to use. Hardness has a requirement of Shore A Durometer 55-85, but specifies no actual test method to use.

Response: Agree. These test requirements are not needed as these are temporary raised rumble strips used for flagging operations that are typically placed and removed daily. Table in 990-9.1.1: Fade Resistance, Tensile Strength and Hardness will be deleted.

Don Rowell
252-536-2744
DRowell@trafficmarking.com

Comments: (7/21/10)

Advance Traffic Markings currently manufactures products that meet the requirements of your proposed addition of Temporary Raised Rumble Strips. After reviewing the proposed specifications, we would like to suggest a change to the pre-formed polymer option: lower the minimum tensile strength requirement from 250 psi to 175 psi. This lower tensile strength does not affect the performance or durability of the material. The lower tensile strength will allow us to streamline our manufacturing process to reduce product cost.
Advance Traffic Markings

Response: Requirement deleted, see response above.
