

7010401 PROFILED THERMOPLASTIC PAVEMENT MARKINGS
COMMENTS FROM INTERNAL/INDUSTRY REVIEW

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Comments: (11-21-19, Internal)

See the comment below. We need to discuss this spec before it goes forward.

In the proposed spec change, the Department is adding the requirement that thermoplastic pavement markings that are to be removed and replaced, must be replaced with thermoplastic pavement markings prior to opening traffic. This is virtually impossible, and in the few instances where it may be possible, the production constraints would add significant time and costs to the project. In many instances, waterblasting is the only way to remove thermoplastic. Because waterblasting introduces water to the road surface, thermoplastic pavement markings can not, without perfect conditions (ie: hot, sunny, daytime work, and significant time between the waterblasting and the application of the thermo) be applied the same day as the waterblasting. And, even in the rare instances where it may be possible, the production limitations would be significant. Therefore, the standard industry practice is to apply paint during the same shift where the thermoplastic pavement markings have been removed with waterblasting and to apply thermoplastic pavement markings at a later time. This allows for the road to sufficiently dry while also allowing for greater efficiency by accumulating a greater amount of thermoplastic pavement markings to be applied at one time.

Response: Change has been made.

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Comments: (11-21-19, Internal)

Missy – After discussing with Ed, we are recommending to remove the sentence that was added in the screenshot below as this was really intended for maintenance operations. If you're okay with that, our office can make that change (i.e. reject insertion), but as the originator, I need you to respond with your approval. I will also respond to Ananth informing him of this decision.

concrete surfaces.

Apply pavement markings to the same tolerances in dimensions and in alignment specified in 710-5. When applying pavement marking over existing markings, ensure that no more than 2 inches on either end and not more than 1 inch on either side of the existing line is visible.

When thermoplastic pavement markings are to be removed and replaced, apply new thermoplastic pavement markings prior to opening to traffic.

Conduct field tests in accordance with FM 5-541. Take test readings representative of the pavement marking performance. Remove and replace pavement markings not meeting the requirements of this Section at no additional cost to the Department.

Response: Change had been made.

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Comments: (12-16-19, Industry)

Profiled Thermoplastic Pavement Markings : It is suggested that the section 2 under 701-10, method of measurement may be reworded so as to read; 2. The area, in square feet, for removal of existing thermoplastic pavement markings acceptably removed. Payment for removal of thermoplastic pavement markings will only be made for locations where the existing pavement surface is to remain or when specified in Plans. Payment for removal of conflicting markings for MOT purpose during construction shall be included under MOT pay item LS per spec 102-5.8

Response: No change; the last part of the comment above is in conflict with the spec's intent to remove "conflicting/non-conflicting" language and payment under MOT. By using the "pavement to remain", the condition for separate payment is better defined.
