

# Design Standards Letter

**Letter Number: G-2005-01**

**Letter Date: 05/13/2005**

**Effective Date: 05/13/2005**

**Section/Plan No.: Rumble Strip Standard Plan and Job Special Provision**

**Subject: Rumble Strip Standard Plan and Job Special Provision**

## Body

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A collaborative effort involving Design, Construction, Traffic and Materials has produced revisions to the rumble strip and pavement marking standard plans that are to be effective immediately, that is, beginning with the May 2005 bid opening. Projects under contract will require change orders. These revisions enhance transportation system safety, roadway visibility and represent the best value for every dollar spent.

In Standard Plan 626.00D, the dimensions of rumble strips have been revised from 5" wide x 16" long to 7" wide x 12" long. Also, the edgeline is now to be placed within the inside edge of the shoulder rumble strip. General notes have been added or revised so that rumble strips may be milled onto shoulder joints if necessary but shall not be placed on bridges.

In the pavement marking standard plan, 620.00E, the width of the intermittent lines is now not specified. Instead, the standard plan references the width identified in the project plans. Gore lines are now to have a width twice that of the edgeline specified in the plans. (That is, if the edgeline is 4" wide, the gore line will be 8" wide and if the edgeline is 6" wide, the gore line to be used will be 12" wide.) A new General Note was added that cross-references the rumble strips of Standard Plan 626.00. The "Median Island Left Turn Lane Marking" diagram has a new note indicating the proper spacing of the 45° yellow bars. The "Typical Striping Offset" diagrams were revised from showing a 12' edgeline-to-centerline joint distance to showing the edgeline placed 4" outside of the edge of traveled way.

Because the edgeline's ability to adhere to the surface is adversely affected by fog sealant, the rumble strips are not to be fog sealed. Fog sealing of shoulders as a preventative maintenance measure is still encouraged, where applicable. Care should be exercised to avoid sealing the rumble strip.

Also attached are new revisions to Section 626 of the Missouri Standard Specifications for Highway Construction. The section's title was revised to "Rumble Strips" since projects may now include both shoulder and centerline rumble strips. Also, the section eliminates the need to fog seal the rumble strips. These revisions are effective immediately and will be

included in the supplemental provisions to the standard specifications for all projects.

Questions concerning construction of rumble strips and edgelines should be directed to Ron Morris (314) 340-4293. Other questions should be directed to Central Office, Keith L. Smith (573) 751-4659, Bruce Green (573) 751-9248, or Mike Qutami (573) 526-4331.