

MATERIALS DIVISION

 Virginia Department of Transportation
MEMORANDUM

GENERAL SUBJECT: Pavement Design		NUMBER: MD 321-09
SPECIFIC SUBJECT: Noise Reducing Pavement Design Techniques		DATE: June 22, 2009
DIRECTED TO: District Materials Engineers	SIGNATURE: Charles A. Babish, PE State Materials Engineer <i>Signature on original copy of memorandum</i>	

This Memorandum serves to notify concerned individuals or groups that in view of the passage of Chapter 120 of the 2009 Acts of Assembly (HB 2577), which requires VDOT to consider noise reducing pavement design and low noise pavement materials and techniques in lieu of construction of noise walls or sound barriers, Section 606.01 in Chapter VI of Materials Division’s Manual of Instruction (MOI) has been revised as follows.

The following sentences are added to the bottom of section 606.01 of Chapter VI of MOI.

For asphalt pavements the following noise reducing technology should be considered, where applicable:

1. *Use of gap graded asphalt concrete surface mix such as Porous Friction Course (PFC) or THMACO*
2. *Use of finer SMA (i.e., SMA 9.5) at the surface*

For Portland Cement Concrete pavement, the following noise reducing technology should be considered, where applicable:

1. *Longitudinal tinning of the finished concrete*
2. *Diamond grinding of the finished concrete*
3. *Use of a gap graded asphalt concrete surface mix or SMA at the finished surface*

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