



MEMORANDUM

GENERAL SUBJECT: Slurry Seal	NUMBER: MD 353-12
SPECIFIC SUBJECT: Mix Design Requirements	DATE: October 15, 2012
DIRECTED TO: District Materials Engineers	SIGNATURE: Charles A. Babish, PE <i>Signature on original copy of memorandum</i>

This memorandum is being issued to revise the Materials Division’s Manual of Instructions Section 504 (a) and 504 (a)3 to define the requirements for slurry seal mix designs. This revision will define what is required for job mix submittal and the requirements for job mix rollover. The revision will also allow for both Cement and Lime to be submitted on a single mix design with the understanding that only one will be used at a time.

Replace 504 (a) with the following:

(a) Testing Slurry Seal

The Contractor shall submit to the District Materials Engineer the following for initial mix design approval:

- Materials and Mix Gradations
- Job Mix Formula
- Aggregate Properties
- Furnace Correction Factor
- Field Correction Factor ($G_{se} - G_{sb}$)
- Compatibility tests (VTM-60)
- Wear loss by Wet Track Abrasion Test (VTM-14)

Mixes that had Part B approval the prior calendar year, performed satisfactory and were permitted to be rolled over by the District Materials Engineer shall receive Part A approval for the new calendar year provided:

- Aggregate Properties are furnished for the current year
- Furnace Calibration is submitted for the current year

- Field Correction Factor ($G_{sc} - G_{sb}$) is submitted for the current year

Replace 504 (a) 3 Mineral Filler with the following

Mineral filler shall conform to the requirements of Sec. 214 or Sec. 240.02 (a) of the *Road and Bridge Specifications*. Cement and/or hydrated lime may be listed on a single mix design with the understanding that only one will be used at a time depending on environmental conditions. Detailed requirements for sampling and testing are outlined in Sec. 204.02(b) and (c) herein.

cy:	Commissioner	Virginia Transportation Research Council
	Chief Engineer	Virginia Ready-Mixed Concrete Association
	Chief of Operations	Precast Concrete Association of Virginia
	Division Administrators	Virginia Transportation Construction Alliance
	Residency Administrators	Virginia Dept. of Minority Business Enterprise
	District Materials Engineers	Federal Highway Administration
	District Construction Engineers	American Concrete Paving Association
	District Maintenance Engineers	NE Chapter, Southern Region
	Areas Construction Engineers	Old Dominion Highway Contractors Association
	Virginia Asphalt Association	