



To: SUPERSEDED BY <u>EB 06-057</u> EFFECTIVE <u>5/3/07</u>		New York State Department of Transportation ENGINEERING INSTRUCTION	EI 05-013
Title: MOTORCYCLE SAFETY MEASURES ON MILLED PAVEMENTS-REVISED SPECIFICATIONS			
Distribution: <input type="checkbox"/> Manufacturers (18) <input checked="" type="checkbox"/> Local Govt. (31) <input checked="" type="checkbox"/> Agencies (32) <input type="checkbox"/> Surveyors (33) <input checked="" type="checkbox"/> Consultants (34) <input checked="" type="checkbox"/> Contractors (39) <input type="checkbox"/> _____		Approved:  _____ James F. Tynan, Director, Construction Division Date <u>5-2-05</u>	

ADMINISTRATIVE INFORMATION:

- This Engineering Instruction (EI) is effective upon signature.
- This EI does not supersede any other issuance.
- The attached shelf note will be incorporated into a future update of the Standard Specifications.

PURPOSE: This EI revises the Standard Specifications Section 490 *Cold Milling* and 619 *Maintenance and Protection of Traffic*.

TECHNICAL INFORMATION:

- Design guidance for signing to address motorcycle safety measures is being issued concurrently with EI 05-014.
- Requirements concerning treatment of longitudinal joints were moved from §490-3.01 to §619-3.02.
- Signing to warn motorcycles of milled pavement surface conditions was added to §619-3.02.
- Because signing for pavement conditions is required by §619-3.02, no additional cost is expected to ongoing contracts or contracts submitted for letting prior to January 12, 2006.
- The 2004 MUTCD revisions permit use of the GROOVED PAVEMENT (W4-5) sign for temporary grooves such as might occur in construction work zones.

IMPLEMENTATION:

- Engineers-in-Charge of ongoing contracts, including those submitted for lettings prior to January 12, 2006, should direct implementation of the change and file a copy of this EI in the contract records as documentation of the change in accordance with the Contract Administration Manual (CAM) §104-03 *Contingencies, Extra Work, and Deductions*.
- The Design Quality Assurance Bureau will insert the shelf note beginning with projects submitted for the letting of January 12, 2006.

TRANSMITTED MATERIALS:

The shelf note revising §490-3.01 and §619-3.02 of the Standard Specifications is attached.

BACKGROUND:

Motorcycle advocates have expressed concern that the surface texture of milled pavement can adversely affect the handling of motorcycles and that the ROUGH ROAD sign does not adequately warn motorcyclists of approaching conditions.

CONTACT:

Direct questions to the Regional Traffic Group or Chuck Riedel of the Traffic Engineering & Highway Safety Division by e-mail at criedel@dot.state.ny.us or (518) 457-2185.

Make the following changes to Volume 1 of 3 of the Standard Specifications of January 2, 2002, Page 4-64, §490-3.01, ~~delete~~ lines 24 through line 27.

Make the following changes to Volume 1 of 3 of the Standard Specifications of January 2, 2002, Page 6-95, §619-3.02, **Insert** the following after line 17:

“Where traffic will be riding on a milled pavement, GROOVED PAVEMENT (W4-5) signs shall be installed on the approaches. On multilane highways where only one lane in a direction is milled and both lanes are open to traffic, supplement the GROOVED PAVEMENT sign with a LEFT LANE or RIGHT LANE panel below the sign. Where only an entrance or exit ramp is milled, sign the mainline with a GROOVED PAVEMENT sign and a supplemental RAMP panel. Sign all side streets approaching the milled section.

Milling operations shall be conducted to preclude the possibility of pavement runoff collecting along milled joints and creating a traffic hazard. Milling rebates resulting in longitudinal or transverse vertical faces exceeding 25 mm in height that would be exposed to traffic during nonwork hours shall be sloped or tapered by temporary patches or shims to avoid creating a traffic hazard. Where such vertical transverse faces cannot be adequately sloped or tapered, BUMP (W4-1) signs shall be installed in advance of milling rebates in accordance with the MUTCD. A W7-10 object marker shall be installed on the right side of the roadway at the rebate. On divided highways, an object marker shall be installed on both sides of the roadway. A drum with a Type B, flashing warning light may be used instead of an object marker.

Where both BUMP and GROOVED PAVEMENT signs are warranted, in nonurban areas the GROOVED PAVEMENT sign shall be installed 150 m (100 m in urban areas) upstream of the BUMP sign.

If not indicated in the contract documents, the size of the GROOVED PAVEMENT and BUMP signs shall be consistent with that of other signs within the contract limits.