

VIRGINIA DEPARTMENT OF TRANSPORTATION

LOCATION AND DESIGN DIVISION

INSTRUCTIONAL AND INFORMATIONAL MEMORANDUM

GENERAL SUBJECT: PAVEMENT SLOPES – FOUR LANE ROADWAYS	NUMBER: IIM-LD-193.2
SPECIFIC SUBJECT:	DATE: DECEMBER 1, 2005
	SUPERSEDES: IIM-LD-193.1
DIVISION ADMINISTRATOR APPROVAL: Mohammad Mirshahi, P.E. State L&D Engineer Approved: December 1, 2005	

Changes are shaded.

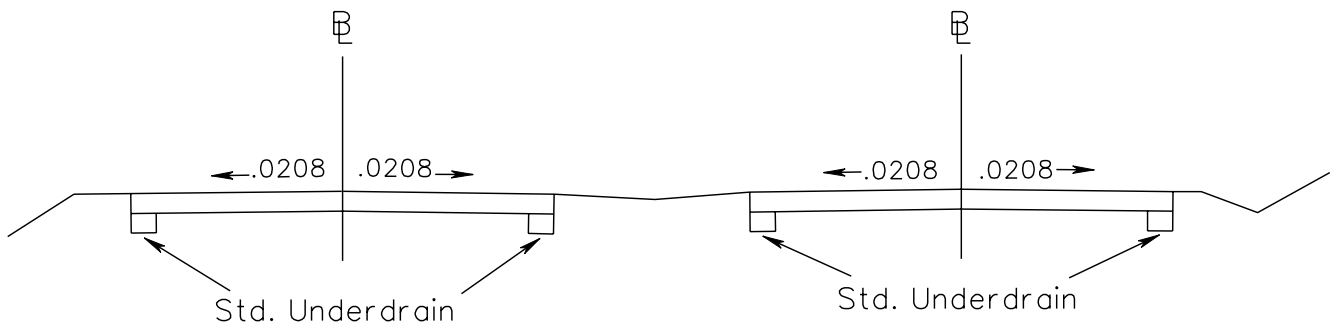
CURRENT REVISION

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- Updated for current Division Administrator Approval.
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POLICY

Past Policy

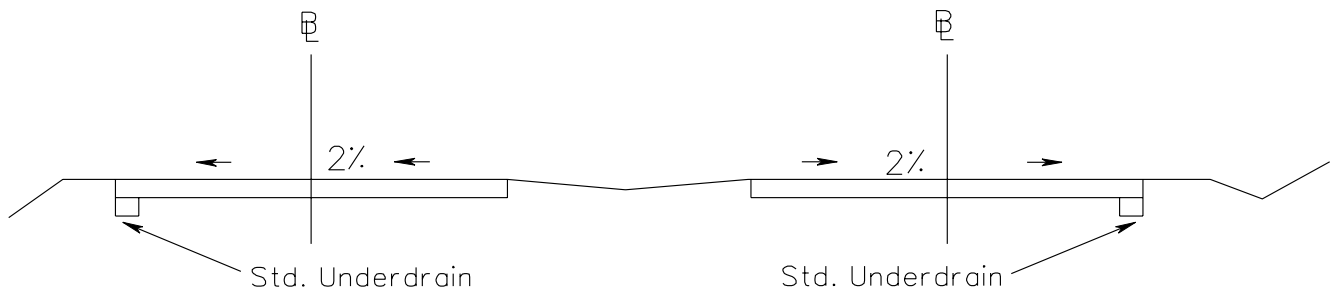
- A normal $-.0208$ Ft./Ft. pavement crown on four-lane divided roadways sloping from the baseline of each two-lane section of pavement to the inside and outside edges of the pavement to allow for proper drainage of surface water from the pavement.



Current Policy

Imperial and Metric:

- Requires -2% slope from the inside edge of pavement to the outside edge of pavement for each two-lane section of all four-lane divided highways in tangent sections.



EFFECTIVE DATE

- This memorandum will be effective on projects that have not been approved for right of way or those that can be revised without affecting right of way limits.

BENEFITS

- Elimination of one line of standard underdrain on each two-lane section of a four-lane divided highway by eliminating one low side of pavement.
- Smoother riding surface with pavement sloping in only geometric plane.

TRANSITION LENGTHS

- Designers are cautioned to be sure that adequate transition lengths are provided at the beginning and end of horizontal curves.