



Illinois Department of Transportation

2300 South Dirksen Parkway / Springfield, Illinois / 62764

BDE PROCEDURE MEMORANDUM

NUMBER: 14-12

SUBJECT: BDE Manual Revision – Chapters 44, 45, 46, and 47

DATE: November 14, 2014

Chapters 44, 45, 46, and 47 of the BDE Manual have been revised to make ditch slopes and ditch bottom widths consistent. Please see Chapters 44, 45, 46, and 47 of the BDE Manual on-line to view the revisions.

Background

The foreslopes, backslopes, and width of the ditch bottoms for drainage channels throughout the BDE Manual were not consistent.

The geometric design criteria tables in Chapters 44, 45, 46, and 47 were revised to reflect the minimum ditch slopes and ditch bottom widths for new construction/reconstruction projects, reconstruction projects when the ditch is not impacted as part of the project scope, and 3R projects to be consistent with the following table:

Project Scope of Work	Front Slope (V:H)	Minimum Ditch Bottom Width	Back Slopes (V:H)
New construction and reconstruction	1:6	4 ft (1.2 m)	1:3
Reconstruction (allowed to remain in place) and 3R	1:4	2 ft (600 mm)	1:3

Omer M. Osman
Director of Highways
Chief Engineer