



Illinois Department of Transportation

2300 South Dirksen Parkway / Springfield, Illinois / 62764

BDE PROCEDURE MEMORANDUM

NUMBER: 12-05

SUBJECT: BDE Manual Revision – Chapter 38

DATE: April 19, 2012

Chapter 38 of the BDE Manual has been revised to update the length of need guidelines for guardrail. Please see Chapter 38 of the BDE Manual on-line to view the revisions.

Background

Section 38-6.01 of the BDE Manual was revised as follows:

- Figures 38-6.A and 38-6.B, which illustrate barrier length of need, were revised for clarity.
- The step by step instructions on how to use the nomograph in Figure 38-6.F to determine the length of need were revised for clarity. The last step, in particular, was revised to better explain how to calculate the quantity of guardrail to be included in the plans.
- The runout lengths in Figure 38-6.E were revised per the 2011 *Roadside Design Guide*. In general, the new runout lengths are 25% shorter.
- The four example problems at the end of the Section were revised per the revised step by step instructions and the revised runout lengths.

Engineer of Design and Environment

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