



Illinois Department of Transportation

2300 South Dirksen Parkway / Springfield, Illinois / 62764

BDE PROCEDURE MEMORANDUM

NUMBER: 20-04

SUBJECT: BDE Manual Revision – Chapters 34 and 45

DATE: March 30, 2020

Chapters 34 and 45 of the BDE Manual has been revised to clarify design procedures for expressways, as described below. Please see Chapters 34 and 45 of the BDE Manual on-line to view the revisions.

Background

The text in Section 45-1 has been modified to more comprehensively identify issues often involved in expressway studies and specifically the design of both intersections and interchanges. Alternative intersections are now noted as an important design option for expressways; and roundabouts should be evaluated when signal warrants are met at any time within the 20-year design period.

Section 45-2 includes a more specific discussion of design speed, alignment, and access control for expressways. The alignment discussion in 45-2.02 has been made more specific for the relevant expressway design speeds. Two of the typical sections previously included as part of Section 45-2.03 have been deleted. Both of them showed raised curb medians which, because the minimum design speed for Expressways is 50 mph, would not typically be considered.

Safety considerations related to signalized intersections on expressways are further discussed in Section 45-2.05. Large vehicle accommodation and safety considerations related to median widths are noted in Section 45-2.06, and additional guidance is provided on the spacing and design of median crossovers.

In Section 45-2.09 the discussion of direct access/entrances along expressways has been refined regarding spacing in various design situations.

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Finally, Section 34-3.04(d) has been revised to remain consistent with the rural median width discussion now included in Chapter 45.

A handwritten signature in blue ink, appearing to read "J. A. Elston", is positioned above a horizontal line.

Jack A. Elston, P.E.
Bureau Chief
Bureau of Design and Environment