



# Illinois Department of Transportation

2300 South Dirksen Parkway / Springfield, Illinois / 62764

## BDE PROCEDURE MEMORANDUM

**NUMBER:** 15-11

**SUBJECT:** BDE Manual Revision – Chapter 55

**DATE:** December 4, 2015

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Chapter 55 of the BDE Manual has been revised to coordinate with the Bureau of Safety Engineering's Policy Memorandum 4-15, "Work Zone Safety and Mobility." Please see Chapter 55 of the BDE Manual on-line to view the revisions.

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### Background

23 CRF Part 630, Subpart J requires each State DOT to implement a policy for the systematic consideration and management of work zone impacts on all Federal-aid highway projects. Subpart K of those regulations further requires State policy to address the use of the following:

- Positive protection devices to prevent the intrusion of motorized traffic into the work space;
- Exposure control measures to avoid or minimize worker exposure to motorized traffic and road user exposure to work activities;
- Other measures including uniformed law enforcement officers to minimize work zone crashes; and
- The safe entry/exit of work vehicles onto/ from the travel lanes.

The Bureau of Safety Engineering's (BSE) Work Zone Safety and Mobility Policy and Chapter 55 of the BDE Manual work together to satisfy these Federal regulations and provide guidance for implementation. In 2015, updates were made to the BSE Policy in the areas of positive protection between workers and motorized traffic, drop-off exposure, and the installation and maintenance of temporary traffic control devices during construction. The update also added discussion on anchoring and pinning of temporary concrete barrier, which was previously not addressed.

The revisions to Chapter 55 are to bring the BDE Manual into agreement with BSE Policy and to remove information that was purely redundant.

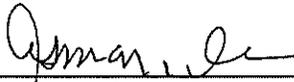
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In an effort to bring Chapter 55 of the BDE Manual into agreement with BSE's Work Zone Safety and Mobility Policy, the following revisions were completed:

- Section 55-2.04, Drop-off Exposure, was revised by deleting trivial text and Figures 55-2.A and 55-2.B, and adding a reference to Safety 4-15, which covers drop-off exposure extensively.
- Section 55-4.01, Positive Exposure, was revised to be agreeable with Safety 4-15. Text was added that addressed positive protection for long duration, stationary locations with high-speed and workers near a traffic lane. Also, a discussion on truck mounted attenuators was deleted to comply with the *Highway Standards* and Safety 4-15.
- Section 55-4.02, Temporary Traffic Barrier, was revised by adding pinning as an alternative to minimize temporary traffic barrier deflection. A reference was also added directing the reader to Safety 4-15 regarding guidance on anchoring and pinning of temporary concrete barrier.
- Section 55-6, Enforcement, was removed as it was outdated and had no relevance to the planning or design processes, and is a function addressed by the Bureau of Safety Engineering.



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