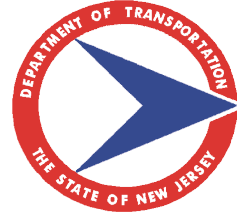


*New Jersey Department of Transportation*  
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## *Baseline Document Change Announcement*

**ANNOUNCEMENT:** BDC12MR-03

**DATE:** July 29, 2013

**SUBJECT:** Revised Section 9, Crash Cushions  
Revised Design Manual – Roadway Section 9, Guidelines for the Selection and Design of Crash Cushions

**REFERENCE:** Revision to Subparts/Subsections 159.02.01, 159.03.02, 159.04, 611.01, 611.02, 611.03.02, and 611.04 of the 2007 Standard Specifications for Road and Bridge Construction. BDC12S-04 dated July 30, 2013

New CD-159-11 and new CD-611-1 for the 2007 Standard Roadway Construction Details. BDC12D-02 dated July 31, 2013

Section 9 “Guidelines for the Selection and Design of Crash Cushions” of the *Design Manual-Roadway* has been entirely revised to include additional types of compressive crash cushions that may be used on Department projects. The vehicle weight in Subsection 9.3.1 for the larger vehicle has been revised from 4500 lbs to 4400 lbs. Subsection 9.3.2, Compressive Barriers has been added to explain the design procedure.

The revised Section 9 shall replace the current Section 9.

These changes must be read in conjunction with the referenced BDC announcements regarding the corresponding changes to the Specifications and Construction Details.

### **Implementation Code R (ROUTINE)**

#### **Instructions to Designers**

Changes must be implemented in all applicable Department projects scheduled for Final Design Submission at least one month after the date of the BDC announcement. This will allow designers to make necessary plan, specifications, and estimate/proposal changes without requiring the need for an addenda or postponement of advertisement or receipt of bids.

**Recommended By:**

**Approved By:**

Original signed by

Richard Jaffe  
Director,  
Capital Program Support

Original signed by

Richard T. Hammer  
Assistant Commissioner,  
Capital Program Management

Attachment: Design Manual – Roadway, Section 9

Superseded