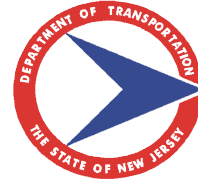


New Jersey Department of Transportation
1035 Parkway Avenue, PO Box 600, Trenton, New Jersey 08625-0600



Baseline Document Change Announcement

ANNOUNCEMENT: BDC12S-04

DATE: July 30, 2013

SUBJECT: Crash Cushions
- 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.

REFERENCE: Revised Design Manual-Roadway Section 9, Guidelines for the Selection and Design of Crash Cushions
BDC12MR-03 dated July 29, 2013

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

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 have been revised to include the following new Items and specifications:

TEMPORARY CRASH CUSHION, COMPRESSIVE BARRIER, TYPE___, WIDTH___,
TEMPORARY CRASH CUSHION, LOW MAINTENANCE COMPRESSIVE BARRIER, TYPE___, WIDTH___ .
CRASH CUSHION, COMPRESSIVE BARRIER, TYPE___, WIDTH___
CRASH CUSHION, LOW MAINTENANCE COMPRESSIVE BARRIER, TYPE___, WIDTH___

In order to incorporate a number of different “Types” and “Widths” of the crash cushions, several new Items/Item Numbers have been created and several old Item Numbers have been obsoleted. For the convenience of the designers, the list of new Item Numbers and obsolete Item Numbers is attached.

This BDC must be read in conjunction with the referenced BDC Announcements for the corresponding changes to the *Roadway Design Manual* and the *2007 Standard Roadway Construction Details*.

The following revisions have been incorporated into the Standard Input SI2007 as of July 30, 2013.

SECTION 159 - TRAFFIC CONTROL

159.02.01 Materials

THE FOLLOWING IS ADDED:

Provide temporary crash cushions, inertial barrier systems as specified in 611.02. Provide temporary compressive crash cushions as specified for compressive crash cushions in 611.02.

159.03.02 Traffic Control Devices

5. Temporary Crash Cushion

THE SECOND SENTENCE IS CHANGED TO:

Install temporary compressive crash cushions as specified for compressive crash cushions in 611.03.02.

159.04 MEASUREMENT AND PAYMENT

THE FOLLOWING ITEM IS DELETED:

<i>Item</i>	<i>Pay Unit</i>
TEMPORARY CRASH CUSHION, ____	UNIT

THE FOLLOWING ITEMS ARE ADDED:

<i>Item</i>	<i>Pay Unit</i>
TEMPORARY CRASH CUSHION, COMPRESSIVE BARRIER, TYPE____, WIDTH____	UNIT
TEMPORARY CRASH CUSHION, LOW MAINTENANCE COMPRESSIVE BARRIER, TYPE____, WIDTH____	UNIT

SECTION 611 – CRASH CUSHIONS

611.01 DESCRIPTION

THE FIRST SENTENCE IS CHANGE TO:

This section describes the requirements for providing and constructing inertial barrier systems and compressive crash cushions.

611.02 MATERIALS

THE THIRD PARAGRAPH IS CHANGED TO:

Provide an inertial barrier system listed on the QPL. Provide a compressive crash cushion as shown on the Plans.

The list of the manufacturers / suppliers is as follows:

QuadGuard	Energy Absorption Systems, Inc.
QuadGuard Elite	Energy Absorption Systems, Inc.
QuadGuard Cz	Energy Absorption Systems, Inc.
REACT 350	Energy Absorption Systems, Inc.
REACT 350 WZ	Energy Absorption Systems, Inc.
SCI	SCI Products Inc.
TAU II.....	Barrier Systems Inc.
TRACC	Trinity Highway Products

611.03.02 Crash Cushion

THE TITLE OF THE SUBSECTION IS CHANGED TO:

611.03.02 Compressive Crash Cushion

THE SECOND SENTENCE IS CHANGED TO:

Install compressive crash cushions including foundations, backup supports and transitions according to the manufacturer's recommendations and as shown on the Plans.

611.04 MEASUREMENT AND PAYMENT

THE FOLLOWING ITEM IS DELETED:

<i>Item</i>	<i>Pay Unit</i>
CRASH CUSHION, ____	UNIT

THE FOLLOWING ITEMS ARE ADDED:

<i>Item</i>	<i>Pay Unit</i>
CRASH CUSHION, COMPRESSIVE BARRIER, TYPE____, WIDTH____	UNIT
CRASH CUSHION, LOW MAINTENANCE COMPRESSIVE BARRIER, TYPE____, WIDTH____	UNIT

Implementation Code R (ROUTINE)

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

ORIGINAL SIGNED

Richard Jaffe
 Director,
 Capital Program Support

Richard T. Hammer
 Assistant Commissioner,
 Capital Program Management

Attachments: The list of new Item Numbers and obsolete Item Numbers