



# Florida Department of Transportation

**RICK SCOTT**  
GOVERNOR

605 Suwannee Street  
Tallahassee, FL 32399-0450

**ANANTH PRASAD, P.E.**  
SECRETARY

August 4, 2011

Monica Gourdine  
Program Operations Engineer  
Federal Highway Administration  
545 John Knox Road, Suite 200  
Tallahassee, Florida 32303

Re: Office of Design, Specifications  
Section **544**  
Proposed Specification: **544 Crash Cushions.**

Dear Ms. Gourdine:

We are submitting, for your approval, two copies of the above referenced Supplemental Specification.

These changes were proposed by Stefanie Maxwell of the State Construction Office to delete the additional payment for the restoration of damaged crash cushions.

Please review and transmit your comments, if any, within two weeks. Comments should be sent via Email to SP965RP or rudy.powell@dot.state.fl.us.

If you have any questions relating to this specification change, please call Rudy Powell, State Specifications Engineer at 414-4280.

Sincerely,

Signature on file

Rudy Powell, Jr., P.E.  
State Specifications Engineer

RP/dt

Attachment

cc: Calvin Johnson, Chief Civil Litigation  
Florida Transportation Builders' Assoc.  
State Construction Engineer

**CRASH CUSHIONS.****(REV 6-158-4-11)**

SECTION 544 (of the Supplemental Specifications) is deleted and the following substituted:

**SECTION 544  
CRASH CUSHIONS****544-1 Description.**

Install redirective and non-redirective crash cushions (of the sizes and types designated in the plans. Redirective crash cushions are safety devices with capabilities to redirect the impacting vehicle over the full length of the device. Non-redirective crash cushions allow controlled penetration of the impacting vehicle over the full length of the device.

**544-2 Qualified Products List (QPL).**

Use crash cushions listed on the QPL. Manufacturers seeking evaluation of their crash cushions shall furnish certified test reports showing that their products meet all test requirements of NCHRP 350 or the Manual for Assessing Safety Hardware 2009 (MASH).

**544-3 Construction.**

Handle and install manufactured materials or articles in accordance with the manufacturer's instructions and the Design Standards.

Use ~~attenuators~~*crash cushions* delineated with a Type I Object Marker specified in Section 705 or sheeting in accordance with 990-2.

Perform repairs necessary due to defective material, work, or operations without additional cost to the Department.

Restore ~~the attenuator~~*crash cushions* damaged by the traveling public after the installation is completed, accepted and serving its intended purpose on an open section of bridge or roadway within 24 hours.

**544-4 Compensation.**

Price and payment will be full compensation for the complete system or module in place and accepted, including object marker or sheeting, *and restoration of damaged crash cushions*. ~~Payment for restoring damaged crash cushions will be the manufacturer's/distributor's invoice price for the new materials/parts plus 20% markup. The 20% markup is compensation for all necessary work, including but not limited to labor, equipment, supplies and profit, as authorized by the Engineer.~~

Relocation of an existing crash cushion to a permanent location called for in the plans shall be paid for at the Contract unit price for relocating existing systems. Price and payment will be full compensation for relocating and reinstalling the system in accordance with the manufacturer's instructions and the Design Standards.

Payment will be made under:

Item No. 544- 74- Relocate Crash Cushion - each.

5440000.*D01*

All Jobs

Item No. 544- 75-      Crash Cushion - each.

**CRASH CUSHIONS.****(REV 8-4-11)**

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CRASH CUSHIONS**

**544-1 Description.**

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Payment will be made under:

Item No. 544- 74-	Relocate Crash Cushion - each.
Item No. 544- 75-	Crash Cushion - each.