



Florida Department of Transportation

CHARLIE CRIST
GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

STEPHANIE KOPELOUSOS
INTERIM SECRETARY

January 26, 2007

Mrs. Leslie McCarthy, PhD, P.E.
Program Operations Engineer
Federal Highway Administration
545 John Knox Road, Suite 200
Tallahassee, Florida 32303

Re: Office of Design, Specifications
Section 544
Proposed Specification: 5440000

Dear Mrs. McCarthy:

We are submitting, for your approval, two copies of a proposed Supplemental Specification for Vehicular Impact Attenuators.

This change was proposed by Cheryl Adams of the Roadway Design Office to clarify the language on the cost to repair attenuators.

Please review and transmit your comments, if any, within two weeks. Comments should be sent via Email to SP965DB or duane.brautigam@dot.state.fl.us.

If you have any questions relating to this specification change, please call Duane F. Brautigam, State Specifications Engineer at 414-4110.

Sincerely,

Duane F. Brautigam, P.E.
State Specifications Engineer

DFB/dr

Attachment

cc: General Counsel
Florida Transportation Builders' Assoc.
State Construction Engineer

**VEHICULAR IMPACT ATTENUATORS.
(REV 12-13-06)**

SECTION 544 (Pages 613 and 614) is deleted and the following substituted:

**SECTION 544
VEHICULAR IMPACT ATTENUATORS**

544-1 Description.

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

544-2 Qualified Products List.

Use Vehicle Impact Attenuators listed on the QPL. Manufacturers seeking evaluation of their VIAs shall furnish certified test reports showing that their products meet all test requirements of NCHRP 350.

544-3 Construction.

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

Use attenuators delineated with a Type I Object Marker specified in Section 705.

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

Restore the attenuator 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. *Payment for restoring damaged attenuators will be at the manufacturer's/distributor's invoice price for the new materials or 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.* ~~Restoration of the attenuator will be paid for at the invoice price plus 20%, for the new parts authorized by the Engineer. Payment for restoration will be full compensation for all necessary work and materials.~~

Relocation of an existing attenuator system 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- Vehicular Impact Attenuator, Relocate Existing -
each.

5440000

544 Items

Item No. 544- 75-

Vehicular Impact Attenuator - each.

Item No. 544- 76-

Attenuator Module (Sand Filled) - each.

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| Item No. 544- 75- | Vehicular Impact Attenuator - each. |
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5440000
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