

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 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 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. 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:

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