

102 TRUCK MOUNTED ATTENUATORS.

(REV 4-27-00) (FA 11-17-00) (7-02)

SUBARTICLE 102-7.1 (Page 114) is expanded by the following:

Use Truck Mounted Attenuators (TMA), when called for in the Design Standards. Limit TMAs to those items listed on the Qualified Products List.

Manufacturers seeking approval of their TMA shall provide the Department certified test reports showing the TMA meets all requirements set by the National Cooperative Research Program Report 350. Certification shall include drawings and calculations signed and sealed by a Professional Engineer registered in the State of Florida for each model.

Use truck mounted attenuator systems designed and constructed to slow impacting vehicles, and dissipate the vehicle's kinetic energy and bring the errant vehicle to a safe and controlled stop. Use systems designed and constructed for installation at the rear of trucks with a Gross Vehicular Weight of 15,000 pounds [6,800 kg] (actual weight) or more meeting the requirements of the manufacturer of the TMA. If adding supplemental weight to the vehicles as ballast is necessary, use only dry loose sand. The TMA will provide a safety device between approaching vehicular traffic and the work zone when properly attached. Use like new units that are in current production, or updates of existing models as approved by the Department.

Use truck mounted attenuators rated at 45 mph [70 km/h] or 60 mph [100 km/h] design speeds. Base utilization of TMAs on the posted speed limit. Restrict a TMA rated for 45 mph [70 km/h] to use on roadways with posted speed limits of 45 mph [70 km/h] or less and prohibit from use on freeways. A TMA rated for 60 mph [100 km/h] may be utilized on all freeways or roadways with posted speed limits greater than 45 mph [70 km/h].

Equip the TMA cartridge with lights and reflectors in compliance with applicable Florida motor vehicle laws, including turn signals, dual tail lights, and brake lights. Ensure that lights are visible in both the raised and lowered positions if the unit is capable of being raised.

Ensure that the complete unit is painted DOT yellow (Fed. Std. 595 b, No. 13538). Stripe the rear facing of the cartridge in the operating position with the alternating 6 inch [150 mm] white and 6 inch [150 mm] safety orange 45 degree striping to form an inverted "V" at the center of the unit and slope down and toward the outside of the unit, in both directions from the center. The bottom of the cartridge shall have the same pattern, covering the entire bottom, with 6 inch [150 mm] white and 6 inch [150 mm] safety orange stripes. Use Type III reflectorized sheeting for striping.

The trucks and truck mounted impact attenuators will not be paid for separately, but will be included in the cost of Maintenance of Traffic, Pay Item No. 102-1 [Pay item No. 2102-1]. Payment includes all costs, including furnishing, maintaining and removal when no longer required, and all materials, labor, tools, equipment and incidentals required for attenuator maintenance.

