#### MAINTENANCE PLANNING GUIDELINES

2006

ACTIVITY: Roadway & Bridge Safety Features (R227)

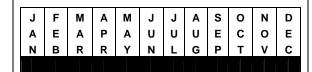
**ACTION:** Impact Attenuator Devices

## **MAJOR & MINOR**

**DEFINITION:** The time and expenses incurred for installing and maintaining fences along the roadway, guardrails and end treatments, guard cable, impact attenuator devices for roadside obstacles; and all cost to maintain concrete traffic barriers, sidewalks and bicycle paths and raised pavement markers.

**PURPOSE:** The maintenance of impact attenuator devices.

**SCHEDULING:** Repair the next normal working day during warm weather, and the first day snow and ice can be removed from the site during the winter.



# **RECOMMENDED EQUIPMENT:**

- Protective Truck
- Truck
- Trailer, if needed
- Loader
- Replacement Attenuator Device
- Traffic Control Equipment (See EPG 616.23 Traffic Control for Field Operations)

### RECOMMENDED MATERIAL:

- Sand
- Cartridges

#### RECOMMENDED PROCEDURE:

- 1. Place traffic control devices as needed.
- 2. Remove damaged sections.
- 3. Repair or replace damaged components.
- 4. Remove traffic control devices.

**SAFETY:** Most devices are at critical traffic flow areas. All crew members should remain alert to passing vehicles and stay within the protected area. Wear all appropriate PPE. Refer to Safety Policies, Rules & Regulations-Employee Handbook.

**OTHER CONSIDERATIONS:** Check parts list of the specific attenuator for required parts.

**REFERENCES:** Missouri Standard Specifications for Highway Construction; Section 612