1. IMPACT ATTENUATOR – TEMPORARY [606] (Revised 1-21-21)

Description. This work is furnishing, installation, maintenance, and removal of temporary impact attenuator and crash cushion devices when construction activities expose blunt ends, ends of barriers, fixed objects, or other obstacles within the clear zone.

Materials. Furnish devices, including required transition sections that meet MASH crash test requirements. Devices meeting NCHRP 350 requirements are acceptable if manufactured before January 1, 2020.

Construction Requirements. Submit the manufacturer’s installation instructions and proof of crash test compliance 14 calendar days prior to any work that will require the installation of devices.

Install devices at the locations shown of blunt or exposed ends of barriers or fixed objects in accordance with the manufacturer’s installation instructions. The device must be installed within 12 hours from the time the obstacle is exposed.

Maintain at least one complete set of repair parts on the project at all times to repair or replace attenuators, which may be damaged during construction.

Attach the impact attenuator to the concrete barrier rail or other fixed objects using the manufacturer's approved transition section. Follow all manufacturers’ instructions and guidance during the installation. Furnish and install all transitions, mounting hardware, and other necessary items.

Repair or replace damaged attenuators within 12 hours.

Remove the device within 48 hours of when the obstacle no longer exists. The devices remain the property of the Contractor after completion of the project.

Method of Measurement.

Temporary impact attenuators are measured for each complete installation shown on the plans. This includes furnishing, installing and the removal of one attenuator, one time.

Reset Temporary Impact Attenuator is measured by each and includes the complete reinstallation and removal of a temporary attenuator that was previously installed on the project and was moved to a new location.

Temporary removal/resetting of an attenuator to protect the same obstacle will not be measured for payment.

Removal, replacement, and repair of installations shown on the plans damaged by traffic will be paid in accordance with subsection 109.04. Installations and not shown on plans or the repair or replacement of temporary impact attenuators damaged by the Contractor will not be measured for payment.

Basis of Payment. Payment for the completed and accepted quantities is made under the following:

|  |  |
| --- | --- |
| Pay Item | Pay Unit |
| Temp Impact Attenuator | Each |
| Reset Impact Attenuator – Temporary | Each |

Payment at the contract unit price is full compensation for all resources necessary to complete the item of work under the contract.