

**SECTION 18.01
REPAIR OF IMPACT ATTENUATION SYSTEMS**

18.01.01--Description: This item shall consist of providing the repair of a damaged Impact Attenuator of the kind and type specified.

18.01.02--Materials: The materials for this work shall conform to the manufacturer's requirements or as specified in the plans.

18.01.03--Construction Methods: The Contractor's repair shall be completed at the job site as soon as possible, but in no case no more than 72 hours after he has been notified by the Engineer. Once the Contractor has begun repairs, he shall not leave the area unprotected and he shall work continuously until all repairs have been completed in a neat and workmanlike manner. The Contractor shall have sufficient replacement parts available, so that repair to the damaged attenuator can be completed within 72 hours. The actual repair of an impact attenuator shall be such that it is restored to a state which conforms to the manufacturer's, or the State of Connecticut's, specification for a new installation or system. The Contractor shall be responsible for the removal and the proper disposal of all damaged material and debris at the attenuator site.

All work shall be performed in a neat and workmanlike manner. The Contractor shall keep a list of the parts replaced per repair incident per attenuator type per site and provide an update copy of this list for use by the Engineer.

18.01.04--Method of Measurement: Repairs of impact-attenuation system will be measured for each item of the system authorized by the Engineer.

18.01.05--Basis of Payment: This work shall be paid for at the contract unit price for repair of each item of the Impact Attenuation System of the kind and type specified and shall include the cost of all materials, tools, labor and work incidental thereto.

In no case will the Engineer reimburse the Contractor for repairs due to neglect, improper practices or other items attributable to the Contractor's operations.

Pay Item	Pay Unit
REPAIR OF IMPACT ATTENUATION SYSTEM TYPE A	
Module (type) (mass)	EA.
REPAIR OF IMPACT ATTENUATION SYSTEM TYPE B	
Fender Panel Assembly (including hardware)	EA.
End Frame	EA.
Stabilizer Assembly (including hardware)	EA.
Legs for Nose Belt	EA.
Foam Cartridge Type 80	EA.
Foam Cartridge Type 81	EA.
Foam Cartridge Type 82	EA.
Foam Cartridge (Great)	EA.
Steel Diaphragm Assembly (including required hardware) (Great)	EA.
Fender Panel (including required hardware) Great)	EA.
Nose Assembly (Great)	EA.
REPAIR OF IMPACT ATTENUATION SYSTEM TYPE C	
Cylinder A-N (including required bolts and washers)	EA.
Cover	EA..
Rail (including anchorages)	EA.
REPAIR OF IMPACT ATTENUATION SYSTEM TYPE D-1	
Cylinder A-D (include bolts, etc.)	EA.
Impact Plate Assembly	EA.
Guide Frames and Chassis Mount	EA.
REPAIR OF IMPACT ATTENUATION SYSTEM TYPE D-2	EA.