

<b>MAINTENANCE PLANNING GUIDELINES</b>		2006																																																
<p><b>ACTIVITY:</b> Roadway &amp; Bridge Safety Features (R227)</p> <p style="text-align: center;"><b>MAJOR &amp; MINOR</b></p>	<p><b>ACTION:</b> Impact Attenuator Devices</p>																																																	
<p><b>DEFINITION:</b> 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.</p>																																																		
<p><b>PURPOSE:</b> The maintenance of impact attenuator devices.</p>																																																		
<p><b>SCHEDULING:</b> 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.</p>	<table border="1" style="margin: auto;"> <tr> <td>J</td><td>F</td><td>M</td><td>A</td><td>M</td><td>J</td><td>J</td><td>A</td><td>S</td><td>O</td><td>N</td><td>D</td> </tr> <tr> <td>A</td><td>E</td><td>A</td><td>P</td><td>A</td><td>U</td><td>U</td><td>U</td><td>E</td><td>C</td><td>O</td><td>E</td> </tr> <tr> <td>N</td><td>B</td><td>R</td><td>R</td><td>Y</td><td>N</td><td>L</td><td>G</td><td>P</td><td>T</td><td>V</td><td>C</td> </tr> <tr style="background-color: black;"> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> </table>		J	F	M	A	M	J	J	A	S	O	N	D	A	E	A	P	A	U	U	U	E	C	O	E	N	B	R	R	Y	N	L	G	P	T	V	C												
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<p><b>RECOMMENDED EQUIPMENT:</b></p> <ul style="list-style-type: none"> <li>• Protective Truck</li> <li>• Truck</li> <li>• Trailer, if needed</li> <li>• Loader</li> <li>• Replacement Attenuator Device</li> <li>• Traffic Control Equipment (See EPG <a href="#">616.23 Traffic Control for Field Operations</a>)</li> </ul>	<p><b>RECOMMENDED PROCEDURE:</b></p> <ol style="list-style-type: none"> <li>1. Place traffic control devices as needed.</li> <li>2. Remove damaged sections.</li> <li>3. Repair or replace damaged components.</li> <li>4. Remove traffic control devices.</li> </ol>																																																	
<p><b>RECOMMENDED MATERIAL:</b></p> <ul style="list-style-type: none"> <li>• Sand</li> <li>• Cartridges</li> </ul>																																																		
<p><b>SAFETY:</b> 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 <a href="#">Safety Policies, Rules &amp; Regulations-Employee Handbook</a>.</p>																																																		
<p><b>OTHER CONSIDERATIONS:</b> Check parts list of the specific attenuator for required parts.</p>																																																		
<p><b>REFERENCES:</b> Missouri Standard Specifications for Highway Construction; Section <a href="#">612</a></p>																																																		