

MAINTENANCE PLANNING GUIDELINES												01/2014																																					
<b>ACTIVITY:</b> Roadway & Bridge Safety Features (R227) <b>MAJOR &amp; MINOR</b>						<b>ACTION:</b> Traffic Barriers (Concrete) <i>B. Repair</i>																																											
<b>DEFINITION:</b> The time and expenses incurred for installing and maintaining concrete traffic barriers along the roadway.																																																	
<b>PURPOSE:</b> The repair of cast-in-place concrete traffic barrier.																																																	
<b>SCHEDULING:</b> Minor damaged areas may be scheduled in groups. Extensively damaged sections should be repaired the first normal working day with temperatures above 40°F.						<table><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></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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<b>RECOMMENDED EQUIPMENT:</b> <ul style="list-style-type: none"><li>• Boom Truck and/or Loader</li><li>• Dump Truck</li><li>• Air Compressor/Drill</li><li>• Concrete Mobile</li><li>• Concrete Mixer</li><li>• Concrete Saw</li><li>• Chop Saw</li><li>• Cutting Torch</li><li>• Traffic Control Equipment; (See EPG <a href="#">616.23 Traffic Control for Field Operations</a>)</li></ul>						<b>RECOMMENDED PROCEDURE:</b> <ol style="list-style-type: none"><li>1. Contact Dig Rite and others to mark utilities.</li><li>2. Place traffic control devices as needed.</li><li>3. Clean broken concrete surface or use concrete saw to square up the broken area.</li><li>4. Replace damaged rebar.</li><li>5. Oil and set forms.</li><li>6. Apply bonding compound to existing surface of old concrete.</li><li>7. Mix and place 7 sack mix of concrete (DO NOT USE DURACAL).</li><li>8. Finish and apply curing compound.</li><li>9. Clean work area.</li><li>10. Remove traffic control devices.</li><li>11. Remove forms after 4 days or when desired strength is reached.</li></ol>																																											
<b>RECOMMENDED MATERIAL:</b> <ul style="list-style-type: none"><li>• Paraffin Oil (paraffin base)</li><li>• Bonding Compound</li><li>• Cement, Sand, Rock, Water</li><li>• Curing Compound</li><li>• Concrete Accelerator</li><li>• Ready-Mix Concrete</li></ul>																																																	
<b>SAFETY:</b> Watch for traffic in adjacent lanes. Refer to the <a href="#">Comprehensive Safety Program sharepoint portal</a> . Wear all appropriate PPE. Refer to the <a href="#">Risk Based Assessment</a> for additional information.																																																	
<b>OTHER CONSIDERATIONS:</b> Replace any damaged or missing traffic control devices.																																																	
<b>REFERENCES:</b> <a href="#">Missouri Standard Specifications for Highway Construction</a> ; Section 617																																																	