

<b>MAINTENANCE PLANNING GUIDELINES</b>		2006																																																
<p><b>ACTIVITY:</b> Roadway Shoulders (R225) <b>MAJOR &amp; MINOR</b></p>	<p><b>ACTION:</b> Pothole Patching Asphalt &amp; Partial Depth Concrete</p>																																																	
<p><b>DEFINITION:</b> The time and expenses incurred to expand installation and maintenance of asphalt concrete and aggregate roadway shoulder, approaches and clear zones.</p>																																																		
<p><b>PURPOSE:</b> To restore shoulder shape, stability, and appearance by the repair of asphalt or concrete.</p>																																																		
<p><b>SCHEDULING:</b> As needed when pavement surfaces are 50°F or above. Reference the Incident Response Plan for priorities.</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>• Asphalt Distributor</li> <li>• Vibratory Compactor or Hand Tamper, Small Roller</li> <li>• Injection Patcher</li> <li>• Pavement Saw</li> <li>• Rotomill</li> <li>• Dump Trucks or Thermolay Truck</li> <li>• Traffic Control Equipment; (See EPG 616.23 Traffic Control for Field Operations)</li> </ul>	<p><b>RECOMMENDED PROCEDURE:</b></p> <ol style="list-style-type: none"> <li>1. Place traffic control devices as required.</li> <li>2. Square up area as necessary.</li> <li>3. Remove fractured/temporary material.</li> <li>4. Prime with appropriate material.</li> <li>5. Fill hole with material and compact in 2 inch layers. (Asphalt)</li> <li>6. Level patch with rake to ½ inch above pavement surface. (Asphalt)</li> <li>7. Finish patch to existing surface. (Concrete)</li> <li>8. Seal edges.</li> <li>9. Remove traffic control devices.</li> </ol>																																																	
<p><b>RECOMMENDED MATERIAL:</b></p> <ul style="list-style-type: none"> <li>• Liquid Asphalt – Tack Grades</li> <li>• Cold Mix</li> <li>• Hot Mix</li> <li>• Concrete</li> </ul>																																																		
<p><b>SAFETY:</b> Care should be taken to remove excess asphaltic material. Wear all appropriate PPE. Refer to Safety Policies, Rules &amp; Regulations – Employee Handbook..</p>																																																		
<p><b>OTHER CONSIDERATIONS:</b> Care should be taken to maintain proper drainage.</p>																																																		
<p><b>REFERENCES:</b> Missouri Standard Specifications for Highway Construction;; 401, 1004, 1015, 613.2</p>																																																		

**R225 – Roadway Shoulders (Shoulder Pothole Patching - Asphalt)**



(1) Priming Shoulder with Tack



(2) Box Spreading Hot Mix Asphalt



(3) Box Spreading Continued



(4) Rolling Hot Mix Asphaltic Shoulder --  
Finished Product