

<b>MAINTENANCE PLANNING GUIDELINES</b>		2006																																																
<b>ACTIVITY:</b> Roadway Shoulders (R225) <b>MAJOR &amp; MINOR</b>	<b>ACTION:</b> Repair Sod and/or Aggregate Shoulders & Approaches																																																	
<b>DEFINITION:</b> The time and expenses incurred to expand installation and maintenance of asphalt concrete and aggregate roadway shoulder, approaches and clear zones. Includes cost for maintaining sod.																																																		
<b>PURPOSE:</b> To remove ruts, low areas, and high spots on sod and aggregate shoulders.																																																		
<b>SCHEDULING:</b> As needed throughout the year.	<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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<b>RECOMMENDED EQUIPMENT:</b> <ul style="list-style-type: none"> <li>• Motor Graders</li> <li>• Dump Truck</li> <li>• Roller</li> <li>• Pull Broom</li> <li>• Shouldering Machine Attachment</li> <li>• Distributor</li> <li>• Disc</li> <li>• Tractor w/Pull Blade</li> <li>• Grademaster</li> <li>• Broadcast Spreader</li> <li>• Traffic Control Equipment;                      (See EPG 616.23 Traffic Control for Field Operations)</li> </ul>	<b>RECOMMENDED PROCEDURE:</b> <ol style="list-style-type: none"> <li>1. Place traffic control devices as needed.</li> <li>2. Blade or disc shoulder, or blade approach.</li> <li>3. Shoot liquid asphalt, if needed.</li> <li>4. Place material, if needed.</li> <li>5. Roll.</li> <li>6. Repeat as necessary to obtain desired height.</li> <li>7. Broom as needed; clean up work zone.</li> <li>8. Reseed sod shoulders.</li> <li>9. Remove traffic control devices.</li> </ol>																																																	
<b>RECOMMENDED MATERIAL:</b> <ul style="list-style-type: none"> <li>• Aggregate</li> <li>• Cold Mix</li> <li>• Liquid Asphalt</li> <li>• Rotomillings</li> <li>• Seed</li> </ul>																																																		
<b>SAFETY:</b> Exercise caution when rolling near shoulder edge. Refer to Safety Policies, Rules & Regulations – Employee Handbook.																																																		
<b>OTHER CONSIDERATIONS:</b> Commercial approaches are maintained to normal shoulder line or 10 feet whichever is less. Side road and private approaches are maintained to normal R/W line.																																																		
<b>REFERENCES:</b> Missouri Standard Specifications for Highway Construction; Sections 1006; 805																																																		

**R225 – Roadway Shoulders (Repair Sod and/or Aggregate Shoulders)**



(1) Pulling Shoulders with a Grademaster



(2) Undercarriage to Grademaster



(3) Sweeping Shoulder after Operation



(4) Shoulder Reclamation



(5) Shoulder Reclamation



(6) Shoulder Reclamation - Final Product