

MAINTENANCE PLANNING GUIDELINES												01/2014																																					
ACTIVITY: Roadway Shoulders (R225) MAJOR & MINOR						ACTION: Repair Sod and/or Aggregate Shoulders & Approaches																																											
DEFINITION: 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.																																																	
PURPOSE: To remove ruts, low areas, and high spots on sod and aggregate shoulders.																																																	
SCHEDULING: As needed throughout the year.						<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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RECOMMENDED EQUIPMENT: <ul style="list-style-type: none">• Motor Graders• Dump Truck• Roller• Pull Broom• Shouldering Machine Attachment• Distributor• Disc• Tractor w/Pull Blade• Gradermaster• Broadcast Spreader• Traffic Control Equipment; (See EPG 616.23 Traffic Control for Field Operations)						RECOMMENDED PROCEDURE: <ol style="list-style-type: none">1. Contact Dig Rite and others to mark utilities.2. Place traffic control devices as needed. Review guidance for use of “Fresh Oil” and “Loose Gravel” signs EPG 616.23.2.7.6 and pavement marking EPG 616.23.2.5.7.3. Blade or disc shoulder, or blade approach.4. Shoot liquid asphalt, if needed.5. Place material, if needed.6. Roll.7. Repeat as necessary to obtain desired height.8. Broom as needed; clean up work zone.9. Reseed sod shoulders.10. Remove traffic control devices.																																											
RECOMMENDED MATERIAL: <ul style="list-style-type: none">• Aggregate• Cold Mix• Liquid Asphalt• Rotomillings• Seed																																																	
SAFETY: Exercise caution when rolling near shoulder edge. Refer to the Comprehensive Safety Program sharepoint portal . Wear all appropriate PPE. Refer to the Risk Based Assessment for additional information.																																																	
OTHER CONSIDERATIONS: 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.																																																	
REFERENCES: Missouri Standard Specifications for Highway Construction ; Sections 1006; 805.																																																	