

MAINTENANCE PLANNING GUIDELINES												01/2014																																																	
ACTIVITY: Patching Roads (R311) MAJOR & MINOR						ACTION: Pothole Patching (Permanent partial depth repair on asphaltic or concrete pavements)																																																							
DEFINITION: The time and expenses incurred for permanent repairs of potholes by hand or machine.																																																													
PURPOSE: To restore the safety, rideability, appearance and durability through the repair of roadway or bridge surfaces.																																																													
SCHEDULING: Repairs should be made as soon as priorities allow. Major Routes will take priority over Minor Routes. Reference the Incident Response Plan for priorities.								<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><tr><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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RECOMMENDED EQUIPMENT: <ul style="list-style-type: none">• Dump Trucks or Thermolay Truck• Air Compressor w/Jack Hammers or Roto-mill• Pavement Saw• Compaction device; Vibratory Compactor or Small Power Roller• Asphalt Distributor• Traffic Control Equipment Reference the (See EPG 616.23 Traffic Control for Field Operations)								RECOMMENDED PROCEDURE: <ol style="list-style-type: none">1. Place traffic control devices as required. Review guidance for use of “Fresh Oil” and “Loose Gravel” signs EPG 616.23.2.7.6 and “No Center Line” signs and pavement marking, EPG 616.23.2.5.7.2. Square up area.3. Remove fractured/temporary material.4. Prime with appropriate material.5. Fill hole with material and compact in 2 inch layers. (Asphalt)6. Level patch with rake to ½ inch above pavement surface. (Asphalt)7. Finish patch to existing surface. (Concrete)8. Seal edges.9. Remove traffic control devices.																																																					
RECOMMENDED MATERIAL: <ul style="list-style-type: none">• Priming Material• Hot Mix• Pre Mix• Concrete																																																													
SAFETY: Follow the Comprehensive Safety Program sharepoint portal . Wear all appropriate PPE. Refer to the Risk Based Assessment for additional information.																																																													
OTHER CONSIDERATIONS: Recommend the use of Skid-steer w/milling attachment for removal of area. Recommend the use of air compressor to blow out and clean repair just prior to placing material.																																																													
REFERENCES: Missouri Standard Specifications for Highway Construction Section 613.20 and 613.30 for permanent repairs.																																																													