MAINTENANCE PLANNING GU	IDELINES 01/2014
ACTIVITY: Roadway Shoulders (R225) MAJOR & MINOR	ACTION: Repair Concrete Shoulders & Approaches
DEFINITION: The time and expenses inc asphalt concrete and aggregate roadway sl PURPOSE: Eliminate potholes and shoul SCHEDULING: As needed, or 50°F and a	surred to expand installation and maintenance of houlder, approaches and clear zones.der drop-off to adjacent shoulder or pavement.JFMAMJJASONDabove.AEAPAUUUECOE
RECOMMENDED EQUIPMENT:	N B R Y N L G P T V C Image: Second conduction of the second conductine on the se
 Trucks Dowell Drill Concrete Saw Wheel Saw Backhoe or Loader Traffic Control Equipment; (See EPG <u>616.23 Traffic Control</u> <u>for Field Operations</u>) RECOMMENDED MATERIAL: 8-½ Bag Ready Mix Calcium Chloride 1" Epoxy Coated Dowel Bars Spaced 5 Per Wheel Path on 12" ctrs Liquid Emulsified Asphalt Curing Compound 	 Contact Dig Rite and others to mark utilities. Place traffic control devices as needed. Use wheel saw in middle of repair to relieve stress or make the piece smaller to aid removal. Saw patch perimeter with diamond blade concrete saw. Remove concrete, Prepare subgrade, Place forms. Align, drill, and install greased dowels. Dampen subgrade and forms. Place and vibrate concrete. Screed and finish surface. Edge, texture and date patch. Spray with curing compound. Cure to strength. Remove forms and repair inslope. Remove loose material. Pour liquid asphalt around edges. Maintain Rumble Strips in accordance with <u>EPG 626</u>. Remove traffic control devices.
 SAFETY: Extreme care should be exercised when working adjacent to traffic. Wear all appropriate PPE. Refer to the <u>Comprehensive Safety Program sharepoint portal</u>. Wear all appropriate PPE. Refer to the <u>Risk Based Assessment</u> for additional information. OTHER CONSIDERATIONS: Concrete should be from a calibrated ready-mix plant. 	
REFERENCES: <u>Missouri Standard Specifications for Highway Construction</u> ; Section 613.10, <u>Missouri Standard Plan</u> 613.00.	