MAINTENANCE PLANNING GUIDELINES 01/2014	
ACTIVITY: Asphalt Pavement Repair (R312) MAJOR	ACTION: Box & Lay Down Machine Patching (TN)
mix bituminous material furnished by M material and laying material. Includes m furnished hot mix delivered to the roadw roadway and laying it. This includes cosp patches. Includes wedging at bridge end <b>PURPOSE:</b> To correct large surface fail	lures and settlements by machine repair.
SCHEDULING: As needed when tempe warm. Repairs should be made as priorit Major Routes will take priority over Mir Reference the Incident Response Plan fo Priorities.	ties allow. J F M A M J J A S O N D nor Routes. N B R R Y N L G P T Y C
<ul> <li>RECOMMENDED EQUIPMENT:</li> <li>Pull Paver or Self Propelled Paver</li> <li>Roto-Mill</li> <li>Rumble Strip Mill (if needed)</li> <li>Sweeper</li> <li>Asphalt Distributor</li> <li>Roller</li> <li>Dump Trucks</li> <li>Traffic Control Equipment; (See EPG <u>616.23 Traffic Control</u> for Field Operations)</li> </ul> RECOMMENDED MATERIAL: <ul> <li>Liquid Asphalt (tacking grade)</li> </ul>	<ol> <li>RECOMMENDED PROCEDURE:         <ol> <li>Contact Dig Rite to locate utilities if needed.</li> <li>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.</li> <li>Mill out transitions and failed area (minimum of 2").</li> <li>Clean thoroughly.</li> <li>Shoot tack in area to be patched.</li> <li>Place material on tacked area.</li> <li>Roll patch.</li> <li>Allow hot mix to cool before opening to traffic.</li> <li>Maintain Rumble Strip in accordance with EPG 626.</li> </ol> </li> </ol>

**OTHER CONSIDERATIONS:** Tacking edges of milled area, or sealing the cold joint after patch has been rolled is helpful to ensuring longevity of patch. Subgrade failure may require base reconstruction.

**REFERENCES:** Missouri Standard Specifications for Highway Construction Section <u>401</u> (or equivalent), <u>1002</u>, <u>1015</u>.