

MAINTENANCE PLANNING GUIDELINES

01/2014

ACTIVITY: Patching Roads (R311)
MAJOR & MINOR

ACTION: Pothole Patching
(Temporary/Emergency Repairs and Blow Up Repairs)

DEFINITION: The time and expenses incurred for repairing potholes by hand or machine or the temporary patching of blow-ups.

PURPOSE: To temporarily restore the safety, rideability, appearance and durability through the repair of roadway or bridge surfaces using asphaltic mixtures until permanent repairs can be made.

SCHEDULING: Potholes should be patched as soon as priorities allow. Major Routes will take priority over Minor Routes. Severity of potholes will determine priority for the safety of motorist. Reference the Incident Response Plan for Priorities.

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

RECOMMENDED EQUIPMENT:

- Dump Trucks or Thermolay Truck or Injection Patcher
- Compaction device; Hand Tamper, Vibratory Compactor or Small Power Roller
- Asphalt Distributor
- Traffic Control Equipment;
(See EPG [616.23 Traffic Control for Field Operations](#))

RECOMMENDED MATERIAL:

- Liquid Asphalt
- Pre Mix
- Hot Mix
- High Type Mix (UPM etc.)

RECOMMENDED PROCEDURE:

1. Contact Dig Rite and others to mark utilities if needed.
2. 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](#).
3. Remove loose material and square-up hole, if practical.
4. Tack lightly with liquid asphalt.
5. Fill hole with material and compact in 2-in. layers.
6. Level patch with rake to ½-in. above surface.
7. Compact patch as necessary.
8. Clean up work zone.
9. Remove traffic control devices.
10. Permanent repairs will occur when weather is appropriate and material becomes available.

SAFETY: Refer to the [Comprehensive Safety Program sharepoint portal](#). Wear all appropriate PPE. Refer to the [Risk Based Assessment](#) for additional information.

OTHER CONSIDERATIONS: Cinder sealing of patches will increase the durability of the patch.

REFERENCES: Missouri Standard Specifications for Highway Construction Section [401](#)