

MAINTENANCE PLANNING GUIDELINES

2006

ACTIVITY: Patching Roads (R311)
MAJOR & MINOR

ACTION: Pothole Patching
(Temporary/Emergency Repairing Blowups with Asphaltic Material)

DEFINITION: The time and expenses incurred for permanent repairs of potholes by hand or machine.

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: Repairs should be made as soon as priorities allow. Major Routes will take priority over Minor Routes. Condition of any temporary patches may determine the priority of a permanent repair. 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
- Air Compressor w/Jack Hammers or Roto-mill
- Compaction device; Vibratory Compactor or Small Power Roller
- Asphalt Distributor
- Traffic Control Equipment
(See EPG 616.23 [Traffic Control for Field Operations](#))

RECOMMENDED PROCEDURE:

1. Place traffic control devices as required.
2. Remove fractured material.
3. Tack lightly with liquid asphalt.
4. Fill hole with material and compact in 2-inch Layers.
5. Level patch with rake to ½ inch above pavement surface.
6. Compact patch as necessary.
7. Apply blot if necessary.
8. Remove traffic control devices.
9. If permanent repairs are needed, they should follow as soon as possible. In accordance with the specs.

RECOMMENDED MATERIAL:

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

SAFETY: Clean up and remove excess material. Wear all appropriate PPE. Refer to [Safety Policies, Rules & Regulations – Employee Handbook](#).

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. Cinder sealing of patches will increase the durability of the patch.

REFERENCES: Missouri Standard Specifications for Highway Construction Section 401.