MAINTENANCE PLANNING GUIDELINES

01/2014

ACTIVITY: Roadway Shoulders (R225)

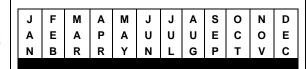
MAJOR & MINOR

ACTION: Pothole Patching Asphalt & Partial Depth Concrete

DEFINITION: The time and expenses incurred to expand installation and maintenance of asphalt concrete and aggregate roadway shoulder, approaches and clear zones.

PURPOSE: To restore shoulder shape, stability, and appearance by the repair of asphalt or concrete.

SCHEDULING: As needed when pavement surfaces are 50°F or above. Reference the Incident Response Plan for priorities.



RECOMMENDED EQUIPMENT:

- Asphalt Distributor
- Vibratory Compactor or Hand Tamper, Small Roller
- Injection Patcher
- Pavement Saw
- Rotomill
- Dump Trucks or Thermolay Truck
- Traffic Control Equipment; (See EPG 616.23 Traffic Control for Field Operations)

RECOMMENDED MATERIAL:

- Liquid Asphalt Tack Grades
- Cold Mix
- Hot Mix
- Concrete

RECOMMENDED PROCEDURE:

- 1. Contact Dig Rite and others to mark utilities.
- 2. Place traffic control devices as required. Review guidance for use of "Fresh Oil" and "Loose Gravel" signs <u>EPG 616.23.2.7.6</u> and pavement marking <u>EPG 616.23.2.5.7</u>.
- 3. Square up area as necessary.
- 4. Remove fractured/temporary material.
- 5. Prime with appropriate material.
- 6. Fill hole with material and compact in 2 inch layers. (Asphalt)
- 7. Level patch with rake to ½ inch above pavement surface. (Asphalt)
- 8. Finish patch to existing surface. (Concrete)
- 9. Seal edges.
- 10. Remove traffic control devices.

SAFETY: Care should be taken to remove excess asphaltic material. Refer to the <u>Comprehensive Safety Program sharepoint portal</u>. Wear all appropriate PPE. Refer to the <u>Risk Based</u>
<u>Assessment</u> for additional information.

OTHER CONSIDERATIONS: Care should be taken to maintain proper drainage.

REFERENCES: Missouri Standard Specifications for Highway Construction; <u>401</u>, <u>1004</u>, <u>1015</u>, <u>613.2</u>.