## MAINTENANCE PLANNING GUIDELINES

01/2014

**ACTIVITY:** Roadway Shoulders

(R225)

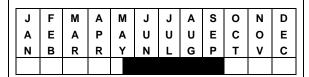
MAJOR & MINOR

**ACTION:** Edge Ribbon

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

**PURPOSE:** Eliminate shoulder drop-off by restoring shoulder template on asphaltic or bituminous shoulders adjacent to pavement.

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



## **RECOMMENDED EQUIPMENT:**

- Box Sled or Evener
- Motor Grader or Tractor
- Distributor
- Roller
- Dump Truck(s)
- Broom
- Traffic Control Equipment; (See EPG 616.23 Traffic Control for Field Operations)

## **RECOMMENDED MATERIAL:**

- Liquid Asphalt Tack Grades
- Cold Mix
- Hot Mix

## RECOMMENDED PROCEDURE:

- 1. Contact Dig Rite and others to mark utilities.
- 2. Place traffic control devices as needed. 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. Broom edge area, if needed.
- 4. Tack area (maximum 24-in. wide).
- 5. Dump and spread mix with box sled or evener.
- 6. Roll.
- 7. Maintain Rumble Strips in accordance with EPG 626.
- 8. Remove traffic control devices.

**SAFETY:** Clean any loose material from roadway surface before opening to traffic. Care should be taken to remove excess asphaltic material. Refer to the *Comprehensive Safety Program sharepoint portal*. Wear all appropriate PPE. Refer to the *Risk Based Assessment* for additional information.

**OTHER CONSIDERATIONS:** Care should be taken to maintain proper drainage by avoiding shoulder build-up above pavement surface. Use "Loose Gravel" and "Fresh Oil" signs, if needed.

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