

**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.

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:**

- 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 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 [EPG 616.23.2.7.6](#) and pavement marking [EPG 616.23.2.5.7](#).
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.

**RECOMMENDED MATERIAL:**

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

**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 [401](#), [1004](#), [1015](#).