

MAINTENANCE PLANNING GUIDELINES

01/2014

ACTIVITY: Roadway Shoulders
(R225)

ACTION: Fly Coating

MAJOR & MINOR

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

PURPOSE: Prevent raveling or disintegration, and to provide waterproofing or existing sealed or bituminous shoulders and approaches.

SCHEDULING: When temperature is above 55°F, humidity is low, and no rain is forecast.

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:

- Distributor(s)
- Dump Truck(s)
- Traffic Control Equipment;
(See EPG [616.23 Traffic Control for Field Operations](#))

RECOMMENDED PROCEDURE:

1. Consult with Materials Office and vendor for design and application rates.
2. Contact Dig Rite and others to mark utilities.
3. Place traffic control devices as required. 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](#).
4. Sweep the existing surface to clean and remove loose debris.
5. Blot approaches and drives to prevent tracking.
6. Allow mixture to completely cure.
7. Remove traffic control devices.

RECOMMENDED MATERIAL:

- Liquid Emulsified Asphalt (SS-1, 1H or CSS-1, 1H)
- Blot Material (sawdust, slag/cinder, or sand)

SAFETY: On super-elevated shoulders, application rates should be reduced to prevent material from running across pavement. Refer to the [Comprehensive Safety Program sharepoint portal](#). Wear all appropriate PPE. Refer to the [Risk Based Assessment](#) for additional information.

OTHER CONSIDERATIONS: Contact asphalt supplier for recommended water to asphalt oil ratios.

REFERENCES: Missouri Standard Specifications for Highway Construction; [Sections 413.4, 1015](#)