

MAINTENANCE PLANNING GUIDELINES

01/2014

ACTIVITY: Pavement Preventative Maintenance (R315)

ACTION: Fly Coating (LM)

MINOR (Only)

DEFINITION: The time and expenses incurred for the application of preventative maintenance treatments to pavements. This includes fly coating and crack and joint maintenance.

PURPOSE: To coat minor cracks and enliven the surface by the application of bituminous material to a dry existing bituminous surface. Little or no cover aggregate is used.

SCHEDULING: Apply when surface is dry, cracked, and giving up material. Should be accomplished when air temperatures are between 70°F and 90°F, with warm nights and low humidity.

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:

- Truck Distributor
- Sweeper/Broom
- Water and Blot Trucks, as needed
- 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 “No Center Line” signs and pavement marking, [EPG 616.23.2.5.7](#).
4. Sweep the existing surface to clean and remove loose debris.
5. Set temporary pavement marking.
6. Allow mixture to completely cure.
7. Test drive area with a heavily loaded truck to ensure material doesn’t track.
8. Blot as necessary.
9. Remove traffic control devices.

RECOMMENDED MATERIAL:

- Liquid Emulsified Asphalt (SS-1, 1H or CSS-1, 1H, CQS1F)
- Blot Material (sawdust, slag/cinder or sand)

SAFETY: Traffic control must be sufficient to keep public vehicles off of fresh, uncured oil. 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. Notify local residents, if practical, prior to the beginning of project.

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