

**MAINTENANCE PLANNING GUIDELINES**

2006

**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, crack and joint maintenance and scrub seals.

**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. Place traffic control devices as required.
3. Sweep the existing surface to clean and remove loose debris.
4. Set temporary pavement marking.
5. Allow mixture to completely cure.
6. Test drive area with a heavily loaded truck to ensure material doesn't track.
7. Remove traffic control devices, except "Fresh Oil" and "No Center Stripe" signs, and open to traffic.
8. "Fresh Oil" and "Loose Gravel" signs should remain in place until surface is cured and loose aggregate has been thoroughly swept off.

**RECOMMENDED MATERIAL:**

- Liquid Emulsified Asphalt (SS-1, 1H or CSS-1, 1H)
- 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 [Safety Policies, Rules & Regulations – Employee Handbook](#).

**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](#).