

MAINTENANCE PLANNING GUIDELINES

01/2014

ACTIVITY: Pavement Preventative Maintenance (R315)

ACTION: Crack & Joint Maintenance
A. Sealing Cracks, Joints, & Edge Cracks

MAJOR & MINOR

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 fill joints and random cracks 1/8-in. and wider to keep out water and reduce deterioration.

SCHEDULING: Schedule when temperatures are between 30°F-50°F, but may be done any time of year depending on material used.

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 or Trailer Distributor
- Air Compressors
- Router
- Heat Lance
- Dump Trucks
- Protective Truck
- Melter Applicator
- Traffic Control Equipment;
 (See EPG [616.23 Traffic Control for Field Operations](#))

RECOMMENDED PROCEDURE:

1. Place traffic control devices as required.
2. Blow loose debris from the crack or joint with compressed air or hot air lance.
3. Rout (if available) and dry cracks as needed.
4. Pour asphalt in cracks to a maximum width of two inches. Extreme care should be taken to avoid covering permanent striping.
5. Blot asphalt as needed.
6. Remove traffic control devices.

RECOMMENDED MATERIAL:

- Liquid Asphalt
- RC-800, EA-150, CRS-2, CRS-2P
- Blotting Material – Sand, Sawdust, or Cinders
- Melter Material

SAFETY: Keep safe distance between protective truck and crew. Refer to the [Comprehensive Safety Program sharepoint portal](#). Wear all appropriate PPE. Refer to the [Risk Based Assessment](#) for additional information.

OTHER CONSIDERATIONS: N/A

REFERENCES: Missouri Standard Specifications for Highway Construction Sections [413.50](#), [413.60](#), [1015](#), [1057](#).