MAINTENANCE PLANNING GUII	<b>DELINES</b> 04/2015								
ACTIVITY: Pavement Preventative Maintenance (R315)	ACTION: Crack & Joint Maintenance A. Fly Coating (LM)								
MINOR (Only)									
<ul> <li><b>DEFINITION:</b> The time and expenses incur maintenance treatments to pavements. This maintenance.</li> <li><b>PURPOSE:</b> To coat minor cracks and enlive material to a dry existing bituminous surface</li> </ul>	includes fly coating and crack and joint en the surface by the application of bituminous								
indental to a dry existing ortainnous surface									
<b>SCHEDULING:</b> Apply when surface is dry, cracked, and giving up material. Should be accomplished when air temperatures are betw 70°F and 90°F, with warm nights and low humidity.									
<ul> <li>RECOMMENDED EQUIPMENT:</li> <li>Truck Distributor</li> <li>Sweeper/Broom</li> <li>Water and Blot Trucks, as needed</li> <li>Traffic Control Equipment; (See EPG <u>616.23 Traffic Control for Field Operations</u>)</li> </ul>	<ul> <li>RECOMMENDED PROCEDURE:</li> <li>1. Consult with Materials Office and vendor for design and application rates.</li> <li>2. Contact Dig Rite and others to mark utilities.</li> <li>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.</li> <li>4. Sweep the existing surface to clean and</li> </ul>								
<ul> <li>RECOMMENDED MATERIAL:</li> <li>Liquid Emulsified Asphalt (SS-1, 1H or CSS-1, 1H, CQS1F)</li> <li>Blot Material (sawdust, slag/cinder or sand)</li> </ul>	<ul> <li>remove loose debris.</li> <li>5. Set temporary pavement marking.</li> <li>6. Allow mixture to completely cure.</li> <li>7. Test drive area with a heavily loaded truck to ensure material doesn't track.</li> <li>8. Blot as necessary.</li> <li>9. Remove traffic control devices.</li> </ul>								
	to keep public vehicles off of fresh, uncured oil.								
	<i>sharepoint portal</i> . Wear all appropriate PPE. Refer								
to the <u>Risk Based Assessment</u> for additional <b>OTHER CONSIDERATIONS:</b> Contact asph ratios. Notify local residents, if practical, pr	alt supplier for recommended water to asphalt oil								
<b>REFERENCES:</b> Missouri Standard Specifica <u>1015</u> .	ations for Highway Construction Section <u>413.4</u> ,								

MAINTENANCE PLANNING GUIE	<b>DELINES</b> 04/2015
and scrub seals.	includes fly coating, crack and joint maintenance 3 1/8-in. and wider to keep out water and reduce es are J F M A M J J A S O N D
<ul> <li>RECOMMENDED EQUIPMENT:</li> <li>Truck or Trailer Distributor</li> <li>Air Compressors</li> <li>Router</li> <li>Heat Lance</li> <li>Dump Trucks</li> <li>Protective Truck</li> <li>Melter Applicator</li> <li>Traffic Control Equipment; (See EPG <u>616.23 Traffic Control</u> for Field Operations)</li> </ul> RECOMMENDED MATERIAL: <ul> <li>Liquid Asphalt</li> <li>RC-800, EA-150, CRS-2, CRS-2P</li> <li>Blotting Material – Sand, Sawdust, or Cinders</li> <li>Melter Material</li> </ul>	<ul> <li>RECOMMENDED PROCEDURE: <ol> <li>Place traffic control devices as required.</li> <li>Rout (if available) and dry cracks as needed.</li> <li>Blow loose debris from the crack or joint with compressed air or hot air lance.</li> <li>Pour asphalt in cracks to a maximum width of two inches. Extreme care should be taken to avoid covering permanent striping.</li> <li>Blot asphalt as needed.</li> <li>Remove traffic control devices.</li> </ol> </li> </ul>
Safety Program sharepoint portal. Wear all Assessment for additional information. OTHER CONSIDERATIONS: N/A	appropriate PPE. Refer to the <u>Comprehensive</u> appropriate PPE. Refer to the <u>Risk Based</u> ations for Highway Construction Sections <u>413.50</u> ,

<u>413.60, 1015, 1057</u>.

MAINTENANCE PLANNING GUII	<b>DELINES</b> 04/2015
and scrub seals.	includes fly coating, crack and joint maintenance rial from cracks and joints, and minor profiling to
<ul> <li>RECOMMENDED EQUIPMENT:</li> <li>Motor Grader or Roto-Mill</li> <li>Protective Truck</li> <li>Sweeper</li> <li>Heating Torch</li> <li>Traffic Control Equipment; (See EPG <u>616.23 Traffic Control for Field Operations</u>).</li> </ul> RECOMMENDED MATERIAL: <ul> <li>Sand or Cinders</li> <li>Sealing material with emulsified liquid asphalt</li> <li>Hot or Cold Mix Asphalt</li> </ul>	<ul> <li>RECOMMENDED PROCEDURE: <ol> <li>Place traffic control devices as needed.</li> <li>Cut high joint with mill or preheat with torch and trim off excess material with motor grader or by hand.</li> <li>Using stringline or straightedge, check trimmed area. If necessary, repeat step 2 until desired template is obtained.</li> <li>Sweep loose material from pavement</li> <li>Patch, seal or flycoat surface to encourage a uniform appearance and ride.</li> </ol> </li> <li>Remove traffic control devices.</li> </ul>
<i>sharepoint portal</i> . Wear all appropriate PPE information.	Refer to the <u>Comprehensive Safety Program</u> E. Refer to the <u>Risk Based Assessment</u> for additional cinder, or sand seal will protect affected areas and

prevent raveling. **REFERENCES:** Missouri Standard Specifications for Highway Construction Section <u>1015</u>.

MAINTENANCE PLANNING G	UIDELINE	S							0	4/20	15
ACTIVITY: Pavement Preventative Maintenance (R315) MINOR (Only)	ACTION: Crack & Joint Maintenance D. Scrub Seals (LM)										
<b>PURPOSE:</b> To fill cracks and extend life of	pavement.										
<b>SCHEDULING:</b> When temperatures are 65 <sup>°</sup> rising.	F and J A N	F E B	M A R	A P R	M A Y	J U N	J / U ( L (	JE	S O E C P T	N O V	D E C
<ul> <li>RECOMMENDED EQUIPMENT:</li> <li>Truck Distributor</li> <li>Chip Spreader</li> <li>Brooms</li> <li>Rubber Tire Roller</li> <li>Trucks</li> <li>Optional Pilot Truck</li> <li>Traffic Control Equipment;</li> <li>(See EPG <u>616.23 Traffic Control for Field Operations</u>)</li> </ul> RECOMMENDED MATERIAL: <ul> <li>Sand – Other Blot Material</li> <li>Asphalt (scrub oil)</li> </ul>	RECOMMI 1. Place 2. Apply broom a 3. Blot a 4. Broon 5. Roll w 6. Remo	traff asp attac spha n blo /ith 1	ic co halt hed alt w otting rubb	ontro at re to d vith c g ma per ti	ol d econ listr chip ater ire 1	evia mm ibut per ial. colle	ces as ende tor. er.	d ra			
<b>SAFETY:</b> Keep a watchful eye for traffic. <u>sharepoint portal</u> . Wear all appropriate PPE information. <b>OTHER CONSIDERATIONS:</b> Clean up exc	Refer to th	e <u>Ri</u>	isk E	Base	d A	sse	ssme	-		ditic	onal
<b>REFERENCES:</b> Missouri Standard Specific <u>1015</u>			•					ctio	on <u>41:</u>	<u>3.20</u>	,