MAINTENANCE PLANNING GUI	DELINES 2006
	ACTION: Chip Seal
asphalt concrete and aggregate roadway show <b>PURPOSE:</b> To seal out moisture and restore bituminous shoulders.	
<b>SCHEDULING:</b> When temperature is above humidity is low, and no rain is forecast.	50°F, $\begin{bmatrix} J & F & M & A & M & J & J & A & S & O & N & D \\ A & E & A & P & A & U & U & U & E & C & O & E \\ N & B & R & R & Y & N & L & G & P & T & V & C \\ \hline & & & & & & & & & & & & & & & & & &$
<ul> <li>RECOMMENDED EQUIPMENT: <ul> <li>Asphalt Distributor(s)</li> <li>Dump Truck(s) w/Spreaders or Chip Spreaders</li> <li>Pneumatic Roller</li> <li>Broom/Sweeper</li> <li>Traffic Control Equipment; (See EPG 616.23 Traffic Control for Field Operations)</li> </ul> </li> <li>RECOMMENDED MATERIAL: <ul> <li>Liquid Binder – Sealing Grades</li> <li>Check with Materials Office for proper selection of aggregate. ½ in. Aggregate (maximum).</li> </ul> </li> </ul>	<ol> <li>RECOMMENDED PROCEDURE:         <ol> <li>Consult with Materials Office and vendor for design and application rates.</li> <li>Place traffic control devices as required.</li> <li>Sweep the existing surface to clean and remove loose debris.</li> <li>Check application rate for distribution of aggregate and binder depending on field specific conditions. Adjust as necessary for each job.</li> <li>Roll immediately.</li> <li>Excess aggregate should be swept off and removed when surface is cured.</li> <li>Remove traffic control devices, except the "Fresh Oil" and "Loose Gravel" signs.</li> <li>"Fresh Oil" and "Loose Gravel" signs should remain in place until surface is cured and loose aggregate has been thoroughly swept off.</li> </ol> </li> </ol>

Policies, Rules & Regulations – Employee Handbook..

**OTHER CONSIDERATIONS:** May substitute lightweight aggregate to minimize vehicle damage claims. Use a pneumatic roller to improve rock retention by asphalt. It is advisable to hold a traffic control planning session prior to projects. Care should be taken to avoid shoulder build-up to ensure proper drainage.

**REFERENCES:** Missouri Standard Specifications for Highway Construction; Sections 409, 1003, 1015.