Your Agency Chip Seal Construction Inspection Checklist

This checklist is intended to guide inspectors with a convenient list of chip seal best practices and guidelines to achieve quality projects. It does not replace project proposals, contracts or specifications.

Date:	Binder Load Tickets:
Project Name:	Aggregate Load Tickets:
Prime Contractor:	Inspector Name:
Street:	Street:
Beginning Station:	Beginning Station:
Ending Station:	Ending Station:
Materials	
Coarse Aggregate	
First Course Aggregate	Aggregate Source
Top Course (If Double)	Top Course Aggregate Source
scooped into trucks	water, large stones or other debris, and no soil beneath is being OT certified material or tested every 600 to 1000 tons
Emulsion Emulsion Type	Emulsion Supplier
Storage Conditions	
Pavement Preparation	
 Special markings have been removed The surface has been swept clean at Temporary pavement markers have Utility castings have been protected 	and is dry and free from debris been placed on lane lines
Weather	
 Pavement and ambient temperature Pavement temperature is below 130 Air temps will be above 40°F within 3 Weather is clear with no fog or rain of 	·

Equip	ment
	All equipment used on the jobsite is in good working order
	Equipped with computerized application rate and speed control Equipped with radar ground-sensing device Uniform triple-lap application fan spray All nozzles are free of clogs Calibration of the distributor has been checked
	Equipped with computerized speed control All gate controls and settings have been checked The chip spreader is following closely to the distributor Calibration across entire chip spreader has been checked
	An adequate number of rollers with pneumatic tires that have a smooth tire surface (See Guidelines) Rollers weigh at least 8 tons Rollers travel no greater than 5 mph No more than 2 minutes between chip spreading and initial rolling Entire surface is rolled twice
Broom	is
	Bristles are proper length Broom can be adjusted to avoid excessive pressure Brooming should be done until loose stones have been cleared from roadway
Applic	cation Rates
	Application rate of aggregate (W_{Agg}) is within +/- 2 pound of the JMF application rate. The following formula can be used in determining the application rate.
	Coarse Aggregate (QC Sampling and Testing MDOT 505.03.G.2) 1. Weigh 1 yd² tarp or geotextile material: W _{Tare} =lbs 2. Place the tarp or geotextile on the roadway 3. Have the chip spreader apply the aggregate over the tarp or geotextile 4. Weigh the tarp or geotextile material with the aggregate W _{Gross} =lbs 5. Subtract the two numbers to obtain the application rate of aggregate: W _{Agg} = W _{Gross} - W _{Tare} =lbs/yd²
	Application rate of emulsion is within +/02 gallon per square yard of the JMF target rate. The following formula can be used to determine application rates.
	Emulsion (QC Sampling and Testing MDOT 505.03.G.2) 1. Measure tank before spraying 2. Spray 1000' minimum length rate check 3. Measure Tank after spraying 4. Measure square yards of area distributor shot 5. Take gallons used divided by square yard