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Michigan Department
of Transportation
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BOND COAT APPLICATION INSPECTOR / OPERATORS CHECKLIST

DOCUMENT REVIEW

- ☐ Type of bond coat (*typical is SS-1H*)
- ☐ Planned application rate (*standard is indicated in plans*)
- ☐ Materials Safety Data Sheet (*on file in the Contractors' MSDS binders*)
- ☐ Manufacturer's instructions

EQUIPMENT INSPECTION – DISTRIBUTOR

- ☐ The spray bars are at the proper height
- ☐ All nozzles are uniformly angled 15° to 30° from the spray bar
- ☐ All nozzles are free of clogs
- ☐ The spray pattern has been checked for uniformity
- ☐ Circulating bond material before spraying
- ☐ The spray pattern has been checked for proper overlap
- ☐ The application pressure has been verified
- ☐ The distributor's application calibration has been verified (*ASTM D2995*)
- ☐ Set application rate

PROJECT REVIEW – WHAT TYPE OF SURFACE WILL BE BOND COATED

- ☐ Milled ☐ Existing HMA ☐ New HMA ☐ PCC

Is the existing surface to be bond coated non-uniform?

- ☐ Yes ☐ No

Is the existing surface to be bond coated cracked?

- ☐ Yes ☐ No

Did bond coat break (*change from brown to black with water being evaporated*)?

- ☐ Yes ☐ No

Are there damages/irregularities that may affect the bond coat performance?

- ☐ Yes ☐ No

SURFACE INSPECTION

- ☐ The surface has been thoroughly cleaned
- ☐ The surface is dry
- ☐ All irregularities / distresses have been addressed
- ☐ All equipment on the project is in good working order
- ☐ Protect drainage structures

WEATHER REQUIREMENTS

- ☐ Air and surface temperatures have been checked at the coolest location on the project
- ☐ Projected daily temperature meets minimum standards
- ☐ Rain has not been forecasted
- ☐ Minimum exposure time has been established