Local Agency Pavement Warranties

Mandated in Public Act 175 of 2015 (Transportation package)

• Local Agency Warranty Program submitted to MDOT September 2017

• One Local Agency Warranty Program for all CRA & MML Members

• Local Warranties to be implemented within 1 year of approval by MDOT
Local Agency Pavement Warranties
Requirements

• Recommended for paving projects > $2 million
  • Bid Documents developed for all Local Agency projects

• Agencies to determine if a pavement warranty is included

• Annually agencies to report on all paving projects > $2 million
Questions?

Start every day with a smile… and get it over with.
Local Agency Pavement Warranties

Local Agency Pavement Warranty Task Force
- Developed Special Provisions
- Developed Agency Pavement Warranty Guidelines
- Developing Training Programs
- Developing Warranty Monitoring Procedures
- Developing Warranty Reporting Procedures

Task Force Membership
- CRA, MML, MDOT, FHWA
Local Agency Pavement Warranties

Local Agency Warranty Program Bid Documents

• Warranty Contract
• Warranty Bond
• Boilerplate Special Provision
• Asphalt Pavement Warranty Special Provision
• Concrete Pavement Warranty Special Provision
• Warranty Location Special Provision
Local Agency Pavement Warranties

Local Agency Warranty Contract & Bond

- Warranty Contract - between Local Agency & Paving Contractor
- Warranty Bond - between Local Agency & Paving Contractor’s Bonding Company
Local Agency Pavement Warranties
Asphalt Warranty Distresses

Longitudinal Cracking

Transverse Cracking
Local Agency Pavement Warranties
Asphalt Warranty Distresses

Alligator Cracking

Block Cracking
Local Agency Pavement Warranties
Asphalt Warranty Distresses

Rutting

Flushing
Local Agency Pavement Warranties
Asphalt Warranty Distresses

Debonding

Raveling
Local Agency Pavement Warranties
Concrete Warranty Distresses

Longitudinal Cracking

Transverse Cracking
Local Agency Pavement Warranties
Concrete Warranty Distresses

Corner Cracking

Map Cracking

photo courtesy of FHWA
Local Agency Pavement Warranties
Concrete Warranty Distresses

Other Concrete Distresses
• Spalling
• Scaling
• Joint Sealant Failure
• Shattered Slab
Local Agency Pavement Warranty Training

- Utilizing the Local Technical Assistance Program
- 2018 Training
Local Agency Pavement Warranties

Local Agency Pavement Warranty Reporting and Monitoring

- Reporting requirement shall utilize the Transportation Asset Management Counsel IRT
- Local Agency must report on all projects > $2 million with paving
- Projects that include a Pavement Warranty shall be monitored
- LTAP to develop a Warranty Monitoring tool
Local Agency Warranty Contract

• A Model Warranty Contract has been developed
• Warranty Contract includes all Project Plans & Specifications related to pavement
• Contract to be executed by Local Agency and Paving Contractor
• CRA Legal Counsel assistance with Model Contract
Local Agency Warranty Bond

• A Model Warranty Bond Special Provision has been developed
• Warranty Bond to be provided by Paving Contractor’s Bonding Company
• CRA Legal Counsel assistance with Model Bond Form
THANK YOU!
## Asphalt Distress Limits

<table>
<thead>
<tr>
<th>Condition Parameter</th>
<th>LONG TERM WARRANTY (NEW CONSTRUCTION / RECONSTRUCTION)</th>
<th>MEDIUM TERM WARRANTY REHABILITATION</th>
<th>SHORT TERM WARRANTY SINGLE COURSE &amp; MULTIPLE COURSE OVERLAY</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Threshold Limits Per Segment (Segment Length = 528 feet = 1/10 mile) (b)</td>
<td>Max. Defective Segments Per Driving Lane-Mile (c)</td>
<td>Threshold Limits Per Segment (Segment Length = 528 feet = 1/10 mile) (b)</td>
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<tr>
<td>Warranty Term</td>
<td>5 years</td>
<td>3 years</td>
<td>1 year</td>
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<tr>
<td>Transverse Cracking</td>
<td>3(b)</td>
<td>1</td>
<td>3(b)</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
# Asphalt Suggested Repairs

<table>
<thead>
<tr>
<th>Condition Parameter</th>
<th>Recommended Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transverse cracking</td>
<td>Seal, or cut/seal (per Engineer direction)</td>
</tr>
<tr>
<td>Longitudinal cracking</td>
<td>Seal, or cut/seal (per Engineer direction)</td>
</tr>
</tbody>
</table>