



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

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 Pavement Warranty Schedule

- Warranties should be available for MDOT Bid Letting during Fiscal Year 2019

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

Asphalt Warranty Distresses



Longitudinal Cracking



Transverse Cracking



Local Agency Pavement Warranties

Asphalt Warranty Distresses



Alligator Cracking



Block Cracking



Local Agency Pavement Warranties

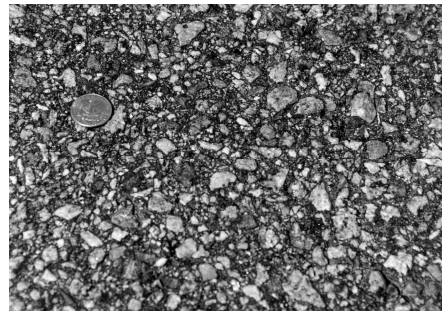
Asphalt Warranty Distresses



Reflective Cracking



Polished Aggregate



Local Agency Pavement Warranties

Asphalt Warranty Distresses



Rutting



Flushing



Local Agency Pavement Warranties

Asphalt Warranty Distresses



Shoving



Raveling



Local Agency Pavement Warranties

Asphalt Warranty Distresses



Debonding



Raveling

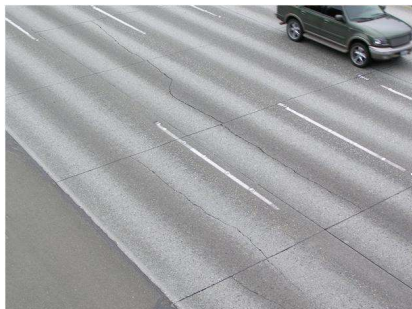


Local Agency Pavement Warranties

Concrete Warranty Distresses



Longitudinal Cracking



Transverse Cracking



Local Agency Pavement Warranties

Concrete Warranty Distresses



Corner Cracking



Map Cracking



Local Agency Pavement Warranties

Concrete Warranty Distresses



Other Concrete Distresses

- Spalling
- Scaling
- Joint Sealant Failure
- Shattered Slab

Local Agency Pavement Warranties



Local Agency Pavement Warranty Training

- Utilizing the Local Technical Assistance Program
- Planned for 2018 & 2019
- Elected Officials & Decision Makers Training
- Project Engineers & Construction Staff Training

Local Agency Pavement Warranties



Local Agency Pavement Warranty Reporting and Monitoring

- Reporting Requirement shall utilize a Transportation Asset Management Counsel IRT
- Local Agency to Report on all paving projects > \$2 million
- Projects that include a Pavement Warranty shall be monitored
- LTAP to develop a Warranty Monitoring tool

Local Agency Pavement Warranties



- Special Provisions were developed based on MDOT's Warranty Special Provisions.
- Concrete Warranty Special Provision is almost identical to the MDOT's

Local Agency Warranty Contract



- A Model Warranty Contract to be developed
- Warranty Contract includes all Project Plans & Specifications related to pavement
- Contract to be executed by paving contractor prior to bid opening
- Local agency representative to execute prior to award
- Warranty Work Acceptance => Initiates the Warranty Period
- Warranty Work Acceptance occurs when travel lanes are open to traffic

Local Agency Warranty Bond



- A Model Warranty Bond Special Provision to be developed
- Warranty Bond to be provided by paving contractor
 - Amount 5% Total Bid not to exceed \$1,000,000
- Warranty Bond to be provided by paving contractor prior to bid opening
- Local agency representative to approve bond prior to award

