Topics

• Recycled Tire Rubber
  • Asphalt Rubber Gap-Graded (AR-GG)
  • Crumb Rubber Modified Asphalt Binder (CRMAB)
    Dense-Graded

• Warm Mix Asphalt (WMA)
Recycled Tire Rubber

Asphalt Rubber Gap-Graded (AR-GG)

- Intent/Objective
- Mixing at high temperature and subsequent agitation
- 15-20% rubber
- Gap graded mix
- 4 Pilot projects (on next slide)
## ARGG (Gap-Graded) Pilot Projects

<table>
<thead>
<tr>
<th>Project #</th>
<th>ECMS</th>
<th>District</th>
<th>SR</th>
<th>CRMAB Pavement Layers</th>
<th>Year Paved</th>
<th>Paving Status</th>
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<tbody>
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Recycled Tire Rubber (AR Cont’d.)

Asphalt Rubber Gap-Graded (AR-GG)

- Final Report
- Special Provision
- Use Guidelines
- Cost?
- Long term evaluation
- Future
Recycled Tire Rubber (CRMAB)

Crumb Rubber Modified Asphalt Binder (CRMAB)

- Intent/Objective
- Mixing at high temperature but doesn’t require subsequent agitation
- 10% rubber
- Dense graded mix
- 6 pilot projects (2@3 years; and 4@2 years)
- OPI
- Special Provision / Clearance Transmittal
- Use Guidelines
- Future
## CRMAB Dense-Graded Pilot Projects

<table>
<thead>
<tr>
<th>Project #</th>
<th>ECMS</th>
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<th>Year Paved</th>
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Warm Mix Asphalt (WMA)

* Percentages through February 28, 2019