The Situation:

Demand is increasing for asphalt emulsions, preservation and recycling. However, many city and county agencies are still unaware of benefits and best practices to successfully choose and apply these treatments.

Three Associations Join Together to Support the Industry at Large

Two Guiding Questions

1. How do we equip road owners & end users with tools to increase the successful use of pavement preservation and recycling?
2. How do we better disseminate research, success stories, and learning across all agencies, making information more accessible?

Research & Collaboration

- Competitive exploration & Industry affiliations
- International data survey
- Retreats with ISSA, AEMA & ARRA leadership

Input from over 45 agency and industry leaders
- Interviews & beta-testing with agency-level users, pavement managers, DOTs, & roadway engineers
- Page by page technical review from multiple committees
Which treatment is best for my road?
Input pavement criteria or select photos for treatment options

Success Stories & Research
Use, performance & best practices in your region

Compare Treatments
Project Cost & Environmental Benefits

NOTE ON COST:
Every calculator gives users the ability to use average life extension numbers and cost data from an internationally aggregated cost survey (US & CA) or input their own costs and life extension relevant to their region.
**PPRA User Account**

**Network Optimization**

**User Account Capabilities**
- Enter unit cost, life extension, and structural numbers from your area
- Update units of measure for US or Canada

**WEB FEATURES**

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**SECTION 2**

**Calculators & Concepts**
- Network How-To
- Equivalent Annualized Cost
- Life Cycle Cost
- Remaining Service Life
- Cost-Benefit Value

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**SECTION 3**

**Life Cycle Cost Calculator**

Save big over the life of your pavement with progressive maintenance

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**SECTION 1**

**Equivalent Annualized Cost**

Compare treatment cost based on Life Extension

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**Remaining Service Life**

How much life is your network gaining or losing each year?
Cost-Benefit Value
Which projects will give the “biggest bang for the buck?”

<table>
<thead>
<tr>
<th>Treatment Type</th>
<th>Category</th>
<th>Extension</th>
<th>Treated</th>
<th>Years</th>
<th>Cost</th>
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Program results: 97% of funds spent on Reconstruction & Rehabilitation such that only 14 lane-miles were treated (7% of the network) and a net loss of 82 lane-mile-years of network service life (200 lane-mile-years is "break even”)

Optimized Approach -

<table>
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<th>Treatment Type</th>
<th>Category</th>
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<th>Years</th>
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Program results: Reconst/Rehab program cut in half such that 52% of funds could be spent on keeping good roads in good condition and 47 lane-miles could be treated (24% of the network) and a net gain in network service life of 19 lane-mile-years could be achieved.
FOR MORE INFORMATION
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For Association Information
RoadResource.org

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