Session # 23: Replacing Raised Pavement Markers with Painted Rumble Stripes

Tuesday March 6, 2011

Presented By:

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MOTIVATION & SR120 APPLICATION
INDOT Vehicle Struck by Loose RPM

• January 2011
• LaPorte District
RPM Challenges

Non-winter damage... truck, tractor?
RPM Skip

Plow Blade Jump... Snow Missed

RPM
Pavement Damage

Displaced RPM
Newly Placed RPM vs Older RPMs

RPMs in New Pavement along Indiana SR25 West of Shadeland, Indiana

RPMs in Old Pavement along Indiana SR38 West of Antioch, Indiana

Prior to Repaving **All RMPs** need to be removed by the contractor.
Alternative to Raised Pavement Markers

Painted Rumble Stripes
Painted Rumble vs. RPM
Economic Costs (RPM vs. Painted Rumble)
Estimated Maintenance Costs

• RPM Lens
  – Material $5
  – Labor (removal and replacement) $20

• RPM Casting
  – Material $15
  – Labor (removal and replacement) $100
## Cost Summary (Cost Per Mile)

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<th>5 year cost</th>
<th>10 year cost</th>
<th>15 year cost</th>
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<tr>
<td>40' Aggressive</td>
<td>$2,596</td>
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SR120 Questions