Advanced Methods to Identify Asphalt Pavement Delamination--R06D Study and SASW-IE Proof of Concept

Michael Heitzman, PE, PhD
Asst. Director, NCAT

Webinar
June 28, 2018
Asphalt Delamination
Identify and develop NDT technology that can:

- Detect delamination in HMA
- Operate at reasonable traveling speed
- Cover full lane width
SHRP2 Project Overview

1. Identify candidate NDT technologies
2. Evaluate potential to meet the goals
3. Select NDT technologies with high potential to achieve goals
4. Promote development of hardware and software
5. Validate equipment improvements
6. Examine performance in field conditions
7. Demonstrate NDT to interested agencies
IE Data Display  
(NCAT test track section)

<table>
<thead>
<tr>
<th>Section 1</th>
<th>Section 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>No bond</td>
<td>Full bond</td>
</tr>
<tr>
<td>5-inch depth</td>
<td>control</td>
</tr>
</tbody>
</table>

Thickness Color Scale (in)
SASW Data Display
(NCAT test track section)
SASW-IE Rolling Meter
by Olson Engineering

Data Acquisition Computer

Distance wheel

Transducer Wheel Pairs