DelDOT's Pavement Preservation Program

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NEPPP Meeting, April 29th - May 1st 2015
Welcome to Delaware

Recent national news!!!!

- I-495 Emergency Bridge Repair
- Dash Cam Video
I-495 cont.
I-495 cont.
Dover PD Dash Cam Confessional

http://www.tubechop.com/watch/5809060
Delaware’s Roads

- State of Delaware Maintains 89% of the mileage in the state
  - 4,400 centerline miles of State Maintenance
  - 1,500 centerline miles of Suburban Streets

- The Pavement Management Team is responsible for the maintenance and rehabilitation of State Maintenance Mileage

![Pie chart showing the distribution of roadway surface type in State Maintenance Roads: 38% Asphalt, 29% Composite, 5% PCC, 28% Tar and Chip.](chart.png)
High Modified Polymer Asphalt (HiMA)

- New treatment we are trying in Delaware
- Received SHRP2 Funding
- Benefits of HiMA:
  - Reduced Rutting
  - Better Fatigue Performance
Goal of HiMA: provide resistance to cracking and potholes in cold condition and softening in heat

Two locations chosen for testing
- Intersection of Rt 10 and Bay Rd, Dover DE
- Intersection of Main St and Walnut St, Magnolia DE

Both Locations have high traffic volume and significant rutting
Main St and Walnut St
## FY 16 Pavement Preservation Budget

<table>
<thead>
<tr>
<th>Preservation Treatment</th>
<th>State Funding</th>
<th>Federal Funding</th>
</tr>
</thead>
<tbody>
<tr>
<td>Microsurfacing</td>
<td>$3.5M</td>
<td></td>
</tr>
<tr>
<td>Thin overlay</td>
<td>$3.0M</td>
<td>$1.7M</td>
</tr>
<tr>
<td>Patching</td>
<td>$5.0M</td>
<td></td>
</tr>
<tr>
<td>Tar and Chip</td>
<td>$3.25M</td>
<td></td>
</tr>
<tr>
<td>Fog/Sand Seal</td>
<td>$450K</td>
<td></td>
</tr>
<tr>
<td>HiMA</td>
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<td>$670K</td>
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<tr>
<td>Total</td>
<td>$15.2M</td>
<td>$2.37M</td>
</tr>
</tbody>
</table>

Total Pave and Rehab Budget for FY16:
- $34.3M State
- $22.8M Federal
FY17 Pavement Preservation Plan

• Treatment Types:
  • Same as FY16, with the exception of HiMA

• Budget:
  • Will depend on the final budget given for FY17 for pave and rehab
  • Current Spend listed for FY17 is $40.8M State and $26.8M Federal
Woodland Beach Rd & Rt. 9 Experimental Treatment

- Fabric
- Chip Seal
- Micro Surfacing over Chip Seal
Woodland Beach Rd & Rt. 9
Woodland Beach Rd & Rt. 9
FY14
Woodland Beach Rd & Rt. 9
Present Condition
Questions?