• Population: 9,938,444
• Land area: 56,809 sq. mi.
State network is 27,345 lane miles (44,008 lane km)

Carries 55% of total traffic and 72% of commercial traffic
Reconstruction Strategy
(20, 25, & 30 Year Fixes)

Percent of Total Network

Poor
Fair
Good
Combined Reconstruct and Rehab Strategies (10 to 30 Year Fixes)
Combined Reconstruct, Rehab, and Preventive Maintenance Strategies
(5 to 30 Year Fixes)
Preventive Maintenance Expenditures ($397 Million)
Current Condition

Percent of Network Pavement

Pavement Remaining Service Life Categories

<table>
<thead>
<tr>
<th>Category</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>19%</td>
</tr>
<tr>
<td>II</td>
<td>10%</td>
</tr>
<tr>
<td>III</td>
<td>40%</td>
</tr>
<tr>
<td>IV</td>
<td>8%</td>
</tr>
<tr>
<td>V</td>
<td>6%</td>
</tr>
<tr>
<td>VI</td>
<td>17%</td>
</tr>
</tbody>
</table>

(Years)
(0-2)  (3-7)  (8-12)  (13-17)  (18-22)  (23-27)
Yearly Distribution

Pavement Remaining Service Life Categories

Percent of Network Pavement

I II III IV V VI

0 10 20 30 40 50

(0-2) (3-7) (8-12) (13-17) (18-22) (23-27)

Pavement Remaining Service Life Categories
Ideal Condition

Pavement Remaining Service Life Categories

Percent of Network Pavement

<table>
<thead>
<tr>
<th>Category</th>
<th>Years</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>0-2</td>
<td>10%</td>
</tr>
<tr>
<td>II</td>
<td>3-7</td>
<td>14%</td>
</tr>
<tr>
<td>III</td>
<td>8-12</td>
<td>19%</td>
</tr>
<tr>
<td>IV</td>
<td>13-17</td>
<td>20%</td>
</tr>
<tr>
<td>V</td>
<td>18-22</td>
<td>17%</td>
</tr>
<tr>
<td>VI</td>
<td>23-27</td>
<td>20%</td>
</tr>
</tbody>
</table>
Treatments
Rigid Pavements

- Full depth concrete pavement repair
- Concrete joint resealing
- Concrete spall repair
- Diamond grinding
- Dowel bar retrofit
- Concrete pavement restoration
- Bituminous shoulder ribbons
- Open-graded underdrain outlet repair
Dowel Bar Retrofit: Extended Service Life – 2 to 3 Years
Spall Repair: Extended Service Life – Up to 5 Years
Diamond Grinding: Extended Service Life – 3 to 5 Years
Joint Resealing: Extended Service Life – 3 to 5 Years
Treatments
Flexible and Composite Pavements

- Nonstructural HMA overlay
- Surface milling & nonstructural HMA overlay
- Chip seals
- Micro-surfacing
- Crack treatment
- Overband crack filling
- HMA shoulder ribbons
- Ultra-thin overlays
Crack Treatment: Extended Service Life – Up to 3 Years
Chip Seal: Extended Service Life – 3 to 7 Years
Micro-Surfacing: Extended Service Life – 4 to 6 Years
Asphalt Overlay: Extended Service Life – 4 to 10 Years
Emerging Technologies

- Paver Placed Surface Seal (Nova Chip)
- Compound Surface Seal (DRM)
- Macro-Surfacing (Road Armor)
- Medium and High Volume Ultra-Thin Overlays
- Concrete Longitudinal Joint Repair
- Ultra-Thin White Topping
- Hot In-Place HMA Recycling
The End