Alaska DOT&PF

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Transportation Demographics

- Roads
- Marine Highway
- Airports

E = Emulsion Stabilization
F = Foamed Asphalt Stabilization
C = Portland Cement Stabilization
### Alaska Road System

<table>
<thead>
<tr>
<th>Region</th>
<th>System Class</th>
<th>Paved Lane Miles</th>
<th>Unpaved Lane Miles</th>
</tr>
</thead>
<tbody>
<tr>
<td>Northern</td>
<td>NHS</td>
<td>3,825</td>
<td>423</td>
</tr>
<tr>
<td>Northern</td>
<td>Non NHS</td>
<td>1,403</td>
<td>2,714</td>
</tr>
<tr>
<td>Central</td>
<td>NHS</td>
<td>2,491</td>
<td>0</td>
</tr>
<tr>
<td>Central</td>
<td>Non NHS</td>
<td>1,711</td>
<td>760</td>
</tr>
<tr>
<td>Southeast</td>
<td>NHS</td>
<td>287</td>
<td>0</td>
</tr>
<tr>
<td>Southeast</td>
<td>Non NHS</td>
<td>1,041</td>
<td>166</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>NHS</td>
<td>6,603</td>
<td>423</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>Not NHS</td>
<td>4,155</td>
<td>3,640</td>
</tr>
<tr>
<td><strong>Grand Total</strong></td>
<td></td>
<td>10,758</td>
<td>4,063</td>
</tr>
</tbody>
</table>
Alaska’s FDR Experience

- **Reclaim** existing pavement (HMA) and crushed aggregate base (CABC)
- **Reclaim** HMA + CABC & **Stabilize** With;
  - Portland Cement
  - Foamed-Asphalt
  - Emulsion
Types of roads we are applying FDR and base stabilization

FDR Candidates
FDR Projects & Cost

• Average: 2 – 5 projects

• EATB-FDR:
  $1.50 - $2.50 \text{ yd}^2/\text{inch}

• FATB-FDR:
  $1.20 - $2.00 \text{ yd}^2/\text{inch}