Nova Scotia NEPPP Update

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Highway Construction Services

Transportation and Infrastructure Renewal
Overview

• Nova Scotia Overview
• Pavement Preservation Treatments
• 2014/15 Preservation Summary
• 2015/16 Planned Preservation Work
• What’s New
Nova Scotia’s Highway Networks

- Nova Scotia’s Department of Transportation and Infrastructure Renewal is Responsible for 90% of the Public Roadways in NS.
- 4100 Bridges
- 23000 km of roads
- ~14000 km paved (8700 miles)
- ~9000 km unpaved (5600 miles)
Nova Scotia’s Highway Networks

Trunks - ~2500 km CL
(1500 miles CL)

Transportation and Infrastructure Renewal
Nova Scotia’s Highway Networks

Routes - ~3100 km CL
(1900 miles CL)

Transportation and Infrastructure Renewal
Pavement Preservation Treatments

• Micro-surfacing – Two Year Warranty Spec.

• Seal Coat Type A – Single Chip and Fog Seal

• Seal Coat Type B – Double Chip and Fog Seal

• Ultrathin Bonded Wearing Course...Coming Soon...more later...
## 2014 Preservation Treatment Totals

<table>
<thead>
<tr>
<th>Type</th>
<th>Tendered Projects</th>
<th>CL Length km (mi)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Micro-Surfacing</td>
<td>6</td>
<td>62 (39)</td>
</tr>
<tr>
<td>Seal Coat Type A</td>
<td>7</td>
<td>40 (25)</td>
</tr>
<tr>
<td>Seal Coat Type B</td>
<td>9</td>
<td>36 (22)</td>
</tr>
<tr>
<td>CIR/PDR:</td>
<td>3</td>
<td>12 (7.5)</td>
</tr>
<tr>
<td>FDR:</td>
<td>1</td>
<td>6 (3.7)</td>
</tr>
</tbody>
</table>
## Highway Funding in Nova Scotia 2015-2016

### How Capital Funding is Invested

<table>
<thead>
<tr>
<th>Category</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Major Construction (new Highway and Bridges)</td>
<td>$68,000,000</td>
</tr>
<tr>
<td>Asphalt and Resurfacing</td>
<td>$105,500,000</td>
</tr>
<tr>
<td>Bridge Replacement/Rehabilitation</td>
<td>$31,000,000</td>
</tr>
</tbody>
</table>

### Land Purchases

- Equipment, Machinery, Ferries: $8,500,000
- Highway Design, Studies, Surveys: $1,000,000
- Total Funding: $220,000,000

**NOVASCOTIA**

Transportation and Infrastructure Renewal
Preservation Budget for 2015-2016

- Micro-Surfacing - $4 Million (Reduced by $1 Mil.)
- Single Chip Seal - $3.5 Million
- Double Chip Seal - $4.3 Million
- Single Lift Overlays - $2.5 Million
NSTIR In-House Crack Seal Crew
NSTIR In-House Crack Seal Crew

• 78 km CL Section of Trunk 1
• 158 000 m of Crack Sealing
• 3400 m per day
• $209 800.00 or $1.33 per m

Great Success in 2014/15 – $250 000.00
Budget for 2015/16
NSTIR Plans for UTBWC

- Ultrathin Bonded Wearing Course Trial planned for 2016/17
- NSTIR/NSRBA/NSUPA Cooperation
- Special Thanks to Mike Fowler, Ron Simbari and John Cawthern
UTBWC Implementation Plan

- Reach Out to Consulting and Contractor Communities (DONE)
- Complete Spec. Prov. Spec. (85%)
- Reach Out to Paver Manufactures (Done)
- Executive Buy-In for a three year trial program (Done)
- Contractor Community’s Commitment to Program Development (Incentive for Spray Paver)
NSTIR’s Use of iVision

Transportation and Infrastructure Renewal
Summary

• NSTIR Manages a Significant Network
• Budget Challenges and Preservation Challenges Persist
• Lots of New Technology and Processes Coming Online

• Thanks and Feel Free to Ask Any Questions.