2019 Gravel Program Overview

March 12, 2019

Transportation and Agriculture Services
Outline

• Review gravel road classification
• Review 2019 action plan including:
  – Spring blading plan
  – Early summer maintenance program
  – Gravel rehabilitation program
• Communications plan
## Rural road classifications

1313 km of Rural Roadway of which 950 km is grid road

<table>
<thead>
<tr>
<th>Road function classification</th>
<th>Traffic count (vehicles/day)</th>
<th>Standard ditch (meters)</th>
<th>Surface type</th>
<th>Km of roadway</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>1000+</td>
<td>10</td>
<td>Asphalt</td>
<td>94.5 km</td>
</tr>
<tr>
<td>II</td>
<td>250-1000</td>
<td>7.5</td>
<td>Cold mix/Asphalt</td>
<td>469 km</td>
</tr>
<tr>
<td>III</td>
<td>100-250</td>
<td>7.5</td>
<td>Gravel dust control</td>
<td>261.2 km</td>
</tr>
<tr>
<td>IV</td>
<td>0-100</td>
<td>7.5</td>
<td>Gravel</td>
<td>126.1 km</td>
</tr>
<tr>
<td>Country Residential</td>
<td>8.5</td>
<td></td>
<td>Paved</td>
<td>330.3 km</td>
</tr>
<tr>
<td>Hamlet</td>
<td>9</td>
<td></td>
<td>Paved</td>
<td>32.1 km</td>
</tr>
</tbody>
</table>
Goal: Quality surface that enables safe travel

Class III

Class IV
2019 Action plan

- Consistent bi-weekly blading of all aggregate roads
- Allocated internal resources to prioritize regular maintenance of gravel roads
- Monitor the overall conditions by continuous inspections
- Class III roads will be bound road edge to road edge
- Oil application applied within seven days of blading or regravel activity
- Increase quality control and onsite supervision with inspectors
2019 Early spring maintenance

• During the spring road ban season road conditions change daily requiring increased operational blading and inspections
• Roadways will see increased grader blading frequency to ensure safe surface conditions
• Roadways will be monitored to ensure needs are addressed quickly across the network
• Aggregate will be added to support a safe traveling surface as needed
• Once roads are dry (spring/summer) major maintenance will commence
2019 Gravel maintenance

All gravel roadways outside of rehabilitation program will have the following treatments completed as required:

- Shoulder gravel reclamation (due to winter blading)
- Surface blading to establish crown and shape
- Additional aggregate (localized locations as needed)
- Fully bound dust control surface (Class III) or spot dust control (Class IV)
- 70% deficiency prior to ripping up whole road

Completed by July 1
2019 Gravel rehabilitation program

Program will include the following treatments:

- Stabilized Base
  - Intersection to intersection where required  OR,
  - Spot repairs as required
- Overall road reshape including side slopes
- Aggregate overlay (increased thickness)
- Fully bound dust control surface (Class III) or spot dust control (Class IV)
- Culvert repairs and minor ditching
- Minor ROW brushing
Communication Plan

• Communication approach will align with tactics used for annual rehabilitation programs

• Website improvements to inform residents
  – Maintenance process and what to expect
  – Map to see which type of road residents live on (Class III or IV)
  – Photos and video showing process and before and after
  – Updates on road condition and timing of addressing concerns

• 2019 Gravel rehabilitation program Tools:
  – Door hanger brochure with program overview weeks in advance of program start
  – Notice letters outlining expected timelines and resident impacts during construction including key contacts
  – Notice info signs on all project roadways
  – Directs residents to website for more information

• 2019 Maintenance locations
  – Notice letters outlining expected timelines and resident impacts during construction including key contacts
Questions?