Roads Rehabilitation Budget

Regional Road Network

- 1736 Lane-km's
- 36 Roundabouts
- 525 Signalized Intersections
- 2500 Non Signalized Intersections
- 175 Bridges and Culverts
- 780 km of cycling facilities
Key Challenges

Maintain "State of Good Repair"

• Roads Rehabilitation Capital Budget
• Road Operations Budget

Very Good Pavement

25% of the network
Good Pavement

25% of the network
Crack sealing needed

Fair Pavement

35% of the network
Resurfacing needed
Poor Pavement

15% of the network
Pavement failure
Major rehab needed

Pavement Life Cycle

- Resurfacing Trigger: $90,000/lane-km
- Reconstruction Trigger: $850,000/lane-km
Roads Rehabilitation Capital Budget Pressure

Yearly Resurfacing Amount Based on Need
• 108 lane-km every year

Amount Based on Current Funding
• 50 lane-km every year

Resurfacing Funding Shortfall = 58 lane-km/year (approximately $5million+ every year)

Total Annual Rehabilitation Funding Shortfall

= $5-10 million
Future Operating Budget Pressures

Poor pavement = increased maintenance

- Potholes
- Patching
- Spot repairs
- Increased Resident Concerns
- Increased Risk
Future Operating Budget Pressures

• Climate Change
  o More freeze-thaw cycles =
  o More winter maintenance
  o More summer maintenance

2020 Operating Budget Pressures

• Winter maintenance
  o Material costs
  o Snow lifting
  o Bike lanes

• Advanced Traffic Signal Management System
Capital and Operating Budget Pressures

• **Rehabilitation Funding**
  - Shortfall = $5-10 million per year

• **Future Operating Budgets**
  - Increases required

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