

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

Road function classification	Traffic count (vehicles/day)	Standard ditch (meters)	Surface type	Km of roadway
I	1000+	10	Asphalt	94.5 km
II	250-1000	7.5	Cold mix/ Asphalt	469 km
III	100-250	7.5	Gravel dust control	261.2 km
IV	0-100	7.5	Gravel	126.1 km
Country Residential		8.5	Paved	330.3 km
Hamlet		9	Paved	32.1 km

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 regravelling 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

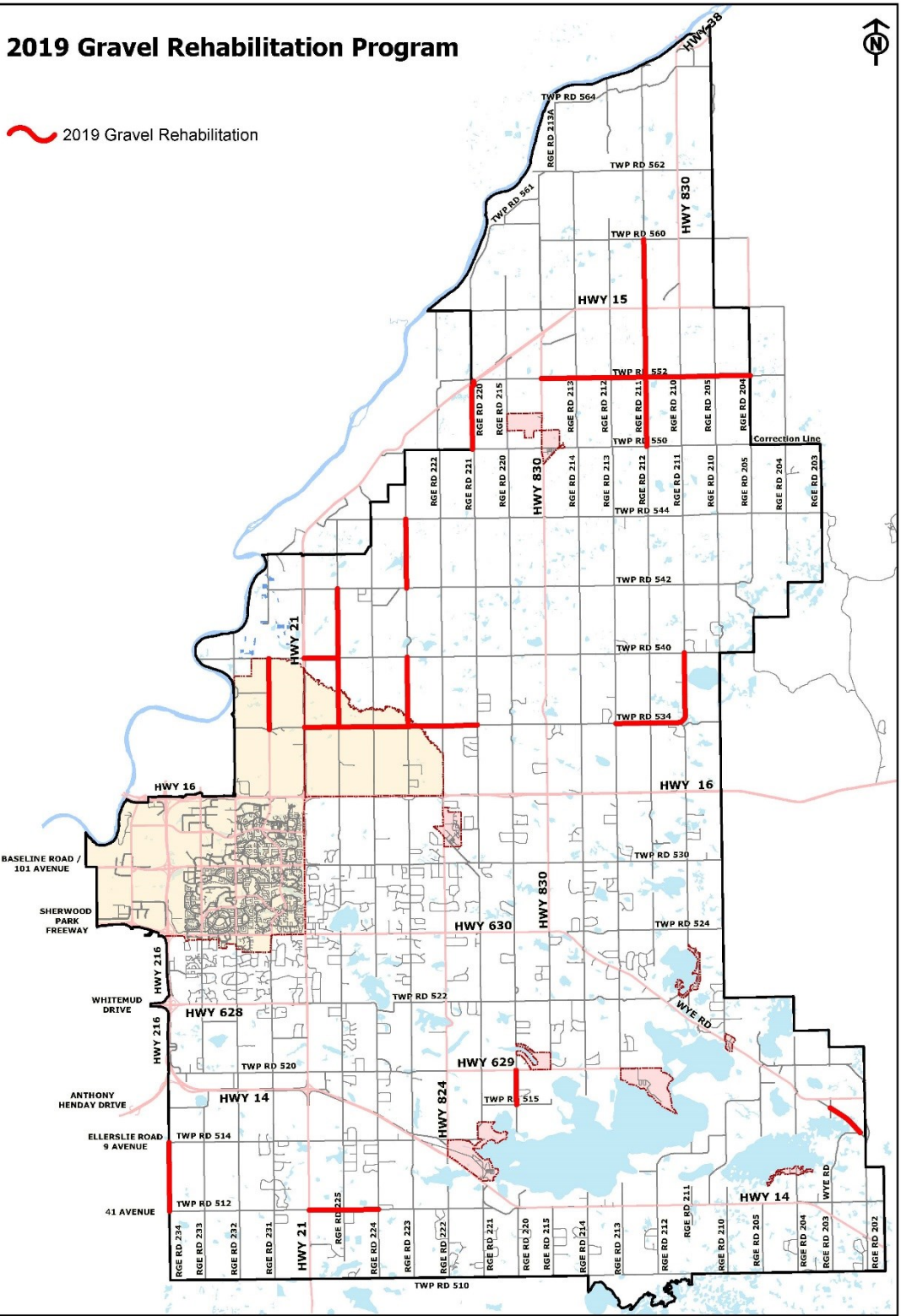
2019 Gravel rehabilitation program

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

2019 Gravel Rehabilitation Program

2019 Gravel Rehabilitation





Municipal Boundary



Rural Hamlets



Urban Service Areas



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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?