



POLICY

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Policy Title Transportation Grader/Gravel Services	Date: October 13, 2020	Motion No. 386/20

Purpose:

To establish Transportations grading/gravel services that will facilitate the acquisition, guidelines and standards of Kneehill County’s (the County) road network in a reasonable, safe, timely, cost-effective, manner.

Policy Guidelines:

- The County recognizes its responsibility for maintaining roads under the its direction, control, and management in a reasonable state of repair, as provided in the *Municipal Government Act*.
- The County’s road network consists of a diverse inventory of rural and urban road classifications that requires a variety of maintenance strategies to meet the needs of all users.

Graders

Summer Maintenance (April to September)

- Gravel Roads will be graded on a minimal of six rotations per season.
- High traffic volume (Arterial and Collector) roads will be graded more often.
- Landowners wishing private driveways to be graded by County machinery must complete and sign a Grading/Snowplowing Agreement - Appendix A prior to the work being commenced. Payment will be **required prior** to any snowplowing/grading being commenced. Snowplowing and/or Grading rate will be set as per Master Rates Bylaw.
- Roads will be graded in an orderly fashion to maximize efficiency.
- Intermunicipal Collaboration Framework (ICF) agreements with the Urban municipalities.

List of Priorities for Summer Maintenance:

Priority	Location	Goals
1	Local Roads/Gravel Roads	Bladed on an minimal of six rotations per year
2	Hamlets/ Alleys	Bladed on an minimal of once per year
3	Road Repairs	To be determined by Road Program Supervisor
5	Private Driveways	To be determined by Road Supervisor and Grader Agreement.
6	Dirt Roads	Bladed a minimum of twice a year as time and the condition of the road allows.



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Winter Maintenance (October to March)

- When deemed necessary by the CAO or designate, snow removal coverage will be provided 7 days a week to address a significant or extreme snow event.
- If the weather is severe and the operators are at risk, Kneehill County will halt plowing operations.
- Snowplowing of County road allowances will not follow the School Bus Routes.
- Windrows created on driveways as a result of this operation are the landowner's responsibility. However, every effort will be made to reduce a windrow left while plowing.
- Landowners wishing private driveways to be plowed by County machinery must complete and sign a Grading/Snowplowing Agreement - Appendix A prior to the work being commenced. Payment will be **required prior** to any snowplowing/grading being commenced. Snowplowing and/or Grading rate will be set as per Master Rates Bylaw.
- The Landowner will contact the County office in order to receive service. Snowplowing/ grading will be completed at the discretion of the Municipality and shall not in any way interfere with the regular supply of services and maintenance to the municipality at large.
- Snow fence – County road crews install snow fencing in the late fall months to help reduce drifting snow onto county roads only. The County is permitted under the provincial *Public Highways Development Act* to enter private property to install and maintain snow fencing as required. Crews will not enter lands where obvious farming is underway, for example, active pasture land with grazing livestock or fields with a crop waiting to be harvested. Every effort is made to contact affected landowners in advance of the installation.

List of Priorities for Winter Maintenance:

Priority	Location	Trigger	Goals
1	Hardsurface Paved/Chipsealed Roadways	A minimum of 5cm/2" of Surface accumulation or icy Road Conditions due to weather	To be opened within 24 hours of snow event.
2	Local Roads/Gravel Roads	A minimum of 10cm or more accumulation on road.	To be opened within 24-120 hours of snow event.
3	Hamlets	<ul style="list-style-type: none"> • Hamlets with Emergency Services will be done first. • A minimum of 10cm or more accumulation on road. • Snow is piled on boulevards and areas available will be removed as deemed necessary. 	To be opened within 24-120 hours of snow event
4	Country Residential Subdivisions	A minimum of 10cm or more accumulation on road.	To be opened within 24-120 hours of snow event
5	Reservoir Sites	As deemed necessary	To be opened within 24-120 hours of snow event
6	Transfer Sites	As deemed necessary	To be opened within 24-120 hours of snow event
7	Private Driveways	Request after completing Grading/Snowplow Agreement.	To be determined by Road Supervisor on proximity of equipment.



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Gravel

- The Road Program Support Supervisor will assess all gravel roadways.
- Kneehill County re-gravels a minimum of 640 Km a year.
- Depending on the condition of the road, every gravel roadway should be re-graveled every two to seven years.
- Depending on the width and condition of the roadway, when re-graveling, two hundred and thirty (230) to four hundred (400) tonnes of gravel should be spread per mile.

Dust Control on Municipal Haul Routes

- The Transportation Department may, at its' discretion and at no charge, apply dust abatement material on municipal/provincial roads, used by the County forces as gravel haul roads. The need to apply dust control will be based on the heavy truck traffic volume, threshold of twenty (20) trips per day or if the haul is more than five (5) consecutive days; whichever occurs first.
- The application rate, the length of the treated area and type of dust abatement material will be done on an as needed basis at the discretion of the Director Transportation. Typically, the areas that will be treated are in front of residences and high volume intersections.
- The Municipality retains the right to perform work on the road scheduled for dust control product applications either prior to or after such application.

Gravel Specifications

- Transportation 2010 Standard Specifications for Highway Construction are to be used for base course Asphalt Aggregate and Chip Seal Coat Aggregate.
- Road Gravel (3/4") 4-20 or (1") 4-25 shall be a modified spec set by Kneehill County.

<u>TYPE</u>	<u>DESIGNATION</u>	<u>CLASS</u>
Road Gravel:		
¾" (20mm)	4	20
1" (25mm)	4	25
Base Course:		
¾" (20mm)	2	20
1" (25m)	2	25
1 ½" (40 mm)	2	40



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Asphalt Aggregate:		
½" (12.5mm)	3	16
Chip Seal Coat Aggregate:		
½" (12.5mm)	3	16



Jerry Wittstock,
Reeve



Mike Haugen,
CAO

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