



Public Works Road Maintenance Services

Roadway Maintenance

Parkland County Road Maintenance Services is responsible for maintaining over 2050 km of roadway.

- 1250 km of gravel
- 800 km of asphalt

Roadway Maintenance

A formal maintenance management system is used, along with a GPS based program to ensure that services are delivered in a cost effective and efficient manner.

Roadway Maintenance

MAJOR PROGRAMS INCLUDE:

- Winter Maintenance
- Roadway Re-Graveling
- Road Blading
- Dust Control
- Seal Coat Surfacing
- Asphalt (Pothole) Patching
- Sign Installation & Repair

Winter Maintenance Program

LEVEL OF SERVICE:

As per Parkland County Snow Removal Policy PW-018

- Gravel Roads - 10-15 cm accumulation
- Surfaced Roads - 6 cm accumulation
- Treat icy conditions as they occur

Winter Maintenance Program

LEVEL OF SERVICE:

All main roadways cleared within
3 days after snowfall has stopped

Winter Maintenance Program

Main Activities:

- Snow & Ice Control by Plow Truck
 - surfaced roadways
- Snow & Ice Control by Grader
 - graveled roadways

Winter Maintenance on Surfaced Roadways

- 8 Plow trucks
 - 2 Contract
 - 6 County Owned
- Average length of route - 100km

Winter Maintenance on Gravel Roadways

- 10 Graders
- Average length of route - 125 km

Roadway Re-graveling Program

LEVEL OF SERVICE:

Approximately one third of roadways
graveled annually.

Roadway Re-graveling Program

- Average of 350km each year
- Conditions that trigger work include:
 - Traffic type and volume on roadway
 - Insufficient amount of surface gravel
 - Excessive rutting

Road Blading Program

- 9 Grader Beat Areas
- Average length of route - 140 km

Road Blading Program

LEVEL OF SERVICE:

- Major Roads - Weekly
- Minor Roads - 7-10 days
- Subdivision roads - Monthly

Adjusted as weather and traffic conditions
warrant

Dust Control Program

Program consists of two types of dust control.

- Liquid Chemical
- Asphalt Oil

Dust Control Program

Subdivision Roads - Policy PW-011

- Fee for Service Basis
- Requires application by resident prior to approval
- Minimum 100 metres in length

Rural Roads - Policy PW-020

- Residences adjacent to public roadways may qualify
- 100 metre section is provided at no cost
- Additional length is subject to extra cost

Seal Coat Surfacing Program

Seal Coat surfacing is a cost effective method of extending the life of surfaced roadways.

Seal Coat Surfacing Program

Road Maintenance vs. Engineering Projects

- Work is done using in-house crews, instead of contract forces
- Work is done on shorter segments of roadway and smaller localized areas

Seal Coat Surfacing Program

Work is determined by:

- Roadway network condition data provided by Engineering, in addition to onsite inspection
- Size of area to be done

Asphalt Patching Program

Purpose of program is to maintain
existing hard surfaced roadways
in good condition through the
treatment of localized failures

Asphalt Patching Program

Main Activities:

- Pothole Patching by Hand
- Pothole Patching with Edger Patcher attachment on Truck
- Pothole Patching with Spray Patcher Truck
- Skin Patching

Sign Installation & Repair Program

Purpose of program is to maintain the existing signage and install appropriate signage where and when deemed necessary.

Sign Installation & Repair Program

Policy PW-017 - Traffic Control Devices

- Manual of Uniform Traffic Control Devices
- Alberta Highway Signing and Traffic Standards Manual

Sign Installation & Repair Program

- Dedicated Sign Truck and Operator
- Approximately 12,000 signs

Road Maintenance Services

Additional Activities:

- Roadway Sweeping
- Guiderail Repair
- Refuse Pickup
- Brush Cutting
- Cracksealing
- Shoulder Pulling

Road Maintenance Services

Additional Information can be obtained
by visiting our website

www.parklandcounty.com

or by calling

(780) 968-8448

(780) 968-8454