

ROAD CONSTRUCTION STANDARDS POLICY

Subject: Road Construction Standards Ref: Transportation

Code: 32

Date Approved: October 24, 2023

Motion# 392/24/10/23

Replaces: 223/27/04/10

The County of Northern Lights is committed to providing and maintaining an effective road network to serve its residents, ratepayers, and visitors.

The County proposes to accomplish this by taking into consideration the actual requirements and establishing “standards” for the designing and Construction of its roads.

Signed: 
Chief Elected Official

Signed: 
Chief Administrative Officer

PROCEDURE:

1. All road request applications received shall be assessed as to the kind of road required and classified as to standard of road to be built, based on the following criteria:

Seasonal /Recreational Access Road: [no house, dead end, basic trail]

- Minimal crushed gravel surface
- 20.12 meter (66 feet) Right-of-Way
- 6.0 meter top
- 0.3 meter (12 inches) grade
- No side or back slope requirements
- "V" ditch only where required
- No crown required
- Drainage requirements only for seasonal access
- Minimal to no work required on existing passable areas
- See Figure 1 for a cross sectional profile of this road standard

Field Access Road: [no house, dead end, farm field]

- Gravel surface
- 20.12 meter (66 feet) Right-of-Way
- 7.0 meter top
- 0.6 meter (24 inches) minimum grade
- 3:1 side slope and 2:1 back slope requirements
- "V" ditch (or 3.0 meter flat bottom where possible) if required
- 3% minimum crown required
- Proper drainage and culverts
- See Figure 2 for a cross sectional profile of this road standard

Residential Local Road: [residence, new subdivision]

- Gravel, or cement stabilized, or paved surface
- 20.12 meter (66 feet) Right-of-Way
- 7.0 meter top
- 0.8 meter (32 inches) minimum grade
- 3:1 side slope and 2:1 back slope requirements
- 3.0 meter flat bottom ditch
- 3% minimum crown required (2% minimum if paved surface)
- Proper drainage and culverts
- See Figure 3 for a cross sectional profile of this road standard

Collector Road:

- Gravel, or cement stabilized, or paved surface
- 30.18 meter (99 feet) desirable, 20.12 meter (66 feet) minimum Right-of-Way
- 8.0 meter top
- 1.0 meter (40 inches) minimum grade
- 4:1 side slope and 3:1 back slope requirements
- 3.0 meter flat bottom ditch
- 3% minimum crown required (2% minimum if paved surface)
- Proper drainage and culverts
- Minimum traffic count of 100 vehicles per day
- See Figure 4 for a cross sectional profile of this road standard

Resource Road:

- Gravel surface
- 40.24 meter (132 feet) desirable, 30.18 meter (99 feet) minimum Right-of-Way
- 10.0 meter top
- 1.3 meter (52 inches) minimum grade
- 4:1 side slope and 3:1 back slope requirements
- 3.0 meter flat bottom ditch
- 3% minimum crown required
- Proper drainage and culverts
- Minimum traffic count of 100 resource vehicles per day
- See Figure 5 for a cross sectional profile of this road standard

TYPICAL CROSS SECTIONS OF COUNTY ROAD STANDARDS





