

# Fibre To The Home Township of East Ferris



Wayne Lynch  
Project Administrator  
Spectrum Telecom Group

Jason Bionda  
VP, Broadband Networks  
Spectrum Telecom Group



# Agenda

- ▶ Introductions
- ▶ Status of Existing Wireless System
- ▶ High-Level Overview of Network Proposal
- ▶ Community Benefits
- ▶ NETSPECTRUM Internet Services Offered
- ▶ Next Steps
- ▶ Discussion and Questions

## Existing Network

- Currently have 8 towers within the municipality, and two outside that also provide services
- Backhaul via Licensed Microwave and License Free Backhuls
- Distribution provided on multiple different systems and frequencies, constantly fighting interference and difficult to provide higher speeds on a consistent basis
- Quickly running out of usable frequencies and tower space that can provide required speeds – enhanced by pandemic
- Recently have upgraded the microwave to Big Moose to allow for up to 1.6Gb backhaul
- Added base stations that accommodate multiple customers at 25Mb download speeds

# Overview of Network Proposal

- ▶ Part of a larger project that has been submitted for funding with ICON and waiting for Federal UBF application to open (Previously submitted to CTI and CRTC)
- ▶ Using our larger existing tower sites as remote CO's, we will begin running fibre outward from these locations
- ▶ The first site will be Big Moose, which has over 200 subscribers attached to it.
- ▶ By our count, just over 300 homes will receive fibre distribution rather than wireless distribution – reducing the Big Moose wireless customers to about 75
- ▶ Ouellette Rd, Lavigne Rd, Quae Quae Rd ending at the tracks, Big Moose Rd, Waukegan Rd, Corbeil Rd from Big Moose to Lavigne Rd., Birch Hill and Maplecove

# Overview of Network Proposal (cont'd)



## Community Benefits

Expansion of Internet availability is good for the community. Some of those benefits are as follows:

- Broadband Internet is essential infrastructure for participating in today's economy as it enables citizens to access information, services, and opportunities that would otherwise be out of reach.
- Support all the Internet applications such as distance learning, web browsing, online banking, family entertainment, and communications (e.g. Netflix TM /Zoom™);
- The investment will help to attract new business and encourage residential growth in the area;
- Will help with the retention of the existing population base and enhance area property values.



## Internet Services to be Offered

- ▶ The following NetSpectrum services will be offered to subscribers within the fibre footprint:
  - ▶ Residential Packages up to 50Mbps – sub \$100 services
  - ▶ Custom Solutions for business
  - ▶ Always Unlimited – no additional fees
- ▶ Once fibre backhaul is installed at the tower (not this project) – up to 1Gb service would technically be available – future proof



## Next Steps... Looking ahead...

- ▶ Brushing of road allowances – as minimal as possible
- ▶ Pole installations and duct to be installed in trenches
- ▶ We will not be using any existing Hydro or Bell pole lines (if possible) due to the difficulty and costs associated with the colocation process
- ▶ Easiest build areas to be completed first



Thank You!

