May 4, 2015

Eric Taylor, Manager of Development Approvals
Greater Sudbury
PO BOX 5000, STN ‘A’
200 Brady St.
Sudbury, ON P3A 5P3

CLIENT:  Rogers Communications Inc.
RE:  Information Package - Proposed 40m Monopine
SITE ID:  C7583 - Rheault
ADDRESS:  3572 Long Lake Rd., Greater Sudbury

Mr. Taylor,

Summit Telecom Services Inc. on behalf of Rogers Communications Inc. would like to submit this information package to Greater Sudbury along with the accompanying survey for Rogers proposed 40m monopine telecommunication tower located at 3572 Long Lake Rd., Greater Sudbury.

The approval authority for wireless telecommunication towers is within Industry Canada under the Radiocommunication Act. Industry Canada’s Radiocommunication and Broadcasting Antenna Systems – CPC-2-0-03, Issue 5 outlines the process for the proponent to follow and encourages the establishment of policies from the land-use authority as they are best positioned to contribute to optimum siting of facilities to meet their own community needs. This site is located within the municipality of Greater Sudbury that established their own policy, Policy relating to Telecommunication Facilities, in January 2002 and revised September 2011. This policy will be followed for the municipal and public consultation for the proposed installation.

The proposed tower is considered a “significant structure” since it is greater than 16.6 metres in height and located less than 300 metres from a residential dwelling, Residential Zone or Living Area Official Plan Designation. This information package provides the following:

- Coverage Objectives
- Co-location Opportunities Considered
- Proposed Location, Tower and Site Details
- Nearest Residential Dwelling/Zone
- Proposed power output of the facility
- Site plan
Public Consultation

- Mail Notification
  - City of Greater Sudbury requires a mail notification to be sent to adjacent property owners within three times height of the tower (3*40m=120m notification radius). The City has provided the mailing list of 18 properties, including two properties outside of the notification radius.

- Public Notice
  - City of Greater Sudbury requires a public notice to be published in a local newspaper. The public notice will be published in The Sudbury Star on Saturday, May 9, 2015.
  - The proponent has agreed to post the public information session details on a public sign location at Sunnyside Rd. & Long Lake Rd. one week before the session.

- Public Information Session
  - City of Greater Sudbury requires a public information session. A public information session will be held on Wednesday, May 27, 2015 at 7pm at the Gerry McCrory Countryside Sports Complex, Upstairs Gallery, 235 Countryside Dr., Sudbury.

The notifications will provide a minimum of 2 weeks’ notice of the public information session and will allow 30 days’ for residents to make a written submission or request of additional information. The last day to receive submissions on this proposal is **Friday, June 12, 2015**.

The purpose of the mail notification, public notice & public information session is to provide the local community an opportunity to make submissions and for the proponent to address all relevant questions and concerns prior to moving forward with the proposal.

At the end of the public consultation process, if the proponent is satisfied that it has addressed all relevant questions and would like to move forward with the installation a request for a letter of concurrence from the City of Greater Sudbury will be submitted along with all correspondence from the consultation process. The letter of concurrence from the City of Greater Sudbury will provide confirmation that the proponent has satisfied the consultation process by addressing all relevant questions and has consulted with the Township.

I trust the information included in this package will be helpful for the municipality’s consideration of this proposal.

Sincerely,

Jay Lewis
Summit Telecom Services Inc.
on behalf of Rogers Communication Inc.
Coverage Objectives

Rogers Communication Inc. continues to make large investments every year on improving their wireless network to expand their coverage and increase their capacity. Areas that experience limited or no coverage require additional sites to fill these voids. Increases in the number of users, devices and amount of data accessed over wireless services have also resulted in additional sites required to increase capacity to maintain a reliable wireless network.

Rogers wireless consumers will continue to experience dropped/failed calls and diminished speed for data services if Rogers does not address these coverage and capacity deficiencies.

Currently Rogers Communications Inc. has two existing sites, an existing rooftop site (C3508) near the Four Corners and an existing guyed tower (C5754) at Hwy 17 & 69 interchange that provides wireless services to the area. Due to how quickly the signal diminishes with distance from the source (existing sites) it was identified that residents in Long Lake experience poor coverage and wireless services.

Map of Rogers Existing & Proposed Sites
Coverage Maps
Coverage maps are an excellent tool to illustrate why a proposed site is required. These maps are modelled based on the signal strength diminishing with distance from the source (existing sites) along with: environmental factors (topology, terrain, vegetation, etc.); population density; and structures.

Existing Sites – Coverage Map
As shown on the adjacent coverage map, the two existing sites provide great or good in-building quality wireless services for a large area (represented with dark or light blue shading).

The area around Long Lake experience poor or limited wireless services (represented with yellow or red shading) or no wireless services.

A new site is required in this area to provide residents with great in-building wireless services to meet customer expectations.

Existing & Proposed Sites – Coverage Map
As shown on the adjacent coverage map, the proposed 40m monopine achieves the coverage objectives by providing residents around eastern portion of Long Lake with great in-building quality wireless services.
Co-location Opportunities Considered

Rogers Communication Inc. always considers co-locating or securing their wireless equipment on existing structures such as other third-party communication towers, water towers and buildings prior to proposing a new communication tower in an effort to minimize the number of towers in a region.

A 160m guyed tower is located 1.25km NNW of Rogers proposed 40m monopole; however, this distance is too great to provide residents of eastern Long Lake with the quality wireless services as the signal diminishes with distance from the source.

Rogers Communication Inc. will consider all future applications by third-parties to co-locate on the proposed monopine in an effort to reduce the number of towers in immediate area.

Proposed Location, Tower and Site Details

Co-ordinates are: 46 24 56.8N, 81 00 21.6W.
Property Description: PART LOT 6 CONCESSION 4 BRODER PARTS 5 & 6 53R18152; SUBJECT TO EASEMENT IN GROSS OVER PARTS 53R18152 AS IN SD63256; TOGETHER WITH EASEMENT OVER PART LOT 6 CONCESSION 4 PARTS 3 & 4 53R18152 AS IN SD67448; GREATER SUDbury
Subject Property Plan

Enlarged Aerial Image

Rogers C7533 - Proposed 40m Monopole
The proposed 40m monopine is a monopole tower designed to simulate a pine tree that will provide appropriate screening while visually incorporated into the existing landscape.

Monopine and walk-in equipment shelter will be located within 100 sq. metre (10m x 10m) compound enclosed with 2.4m high chain link fence to prevent public access.

The site is designed to provide initial both HSPA and LTE wireless services using six antennas and related equipment attached to the monopine.

An existing entrance and access road off Long Lake Road will be utilized to access the subject property. A new access road (55m in length) will be required to connect the existing access road to the compound with a turnaround area.
Health Canada’s Safety Code 6 Compliance

- Rogers Communications Inc. attests that the radio antenna system described in this notification package will comply with Health Canada’s Safety Code 6 limits, as may be amended from time to time, for the protection of the general public including any combined effects of additional carrier co-locations and nearby installations within the local radio environment.

- More information in the area of RF exposure and health is available at the following website:

Canadian Environmental Assessment Act

- Industry Canada requires that the installation and modification of antenna systems be done in a manner that complies with appropriate environmental legislation. This includes the Canadian Environmental Assessment Act, 2012 (CEAA 2012), where the antenna system is incidental to a physical activity or project designation under CEAA, 2012, or is located on federal lands.

- Rogers attests that the radio antenna system as proposed for this site is not located within federal lands or forms part of or incidental to projects that are designated by the Regulations Designating Physical Activities or otherwise designated by the Minister of the environment as requiring an environmental assessment. In accordance with the Canadian Environmental Assessment Act, 2012 this installation is excluded from assessment.


Engineering Practices

- Rogers Communications Inc. attests that the radio antenna system as proposed for this site will be constructed in compliance with the National Building Code and The Canadian Standard Association and respect good engineering practices including structural adequacy.

Transport Canada

- Rogers attests that the radio antenna system described in this notification package will be installed and operated on an ongoing basis so as to comply with Transport Canada and NAV Canada aeronautical safety requirements. Rogers anticipates that the proposed installation will not require markings or lighting and will submit the necessary applications to the appropriate parties to obtain required approvals.
Nearest Residential Dwelling/Zone

Nearest Residential Property is 65m Southeast of Proposed Monopine.

Proposed Power Output of Facility

Rogers Communication Inc. proposed three sectorized telecommunication facility is designed to transmit with a total ERP (Effective Radiated Power) of approximately:

For each sector:

- 700MHz + 850MHz = 3436W (Max)
- 2100MHz = 2500W (Max)

*****Power output of Rogers Communication Inc. telecommunication facility may be changed at any time with modification of equipment or addition of other carriers but will be in compliance with Health Canada’s Safety Code 6.