

SNCo105 Mer Bleue & Renaud

Municipal Review and Concurrence of an Antenna System Application

Public Notification Package – Wireless Communications Site

6615 Renaud Rd., Navan, Ontario, K4B 1H9

Purpose

This information package is an invitation to the public to provide comments regarding a proposed wireless communication site to be located at 6615 Renaud Rd., Navan, Ontario.

Site Selection/Justification Report

The site at 6615 Renaud Rd. is required to provide coverage to an area of extensive continual residential growth. The existing 50m structure approximately 340m north will be removed by Richcraft within the next two years.

Following a survey of the area, we identified the proposed residential lot, located on an adjacent property, as the best candidate to maintain the network coverage requirements. It will provide connectivity for an area that is currently being serviced by the existing site.

The location for the proposed installation offers technical and operational advantages, including a short distance to roads for easy access for construction and maintenance, hydro connections, etc., thus reducing the need for further impact on the area. The proposed installation will not result in any interference or impact to the current use of the property.

An agreement has been reached with the owner of the property at 6615 Renaud Rd. to use a small section of their yard for the 50m tripole communication tower. There will be a small fenced area with space for up to three equipment cabinets at the base of the installation. By achieving the desired height of 50m, SNC will be able to offer space to multiple carriers and other agencies, to enhance and support their wireless communication networks. Co-location on this tower will reduce the need for additional towers in the vicinity.

The proposed installation will achieve the necessary wireless coverage objectives for multiple carriers and provide important communications services for EMS response, police and fire; improved wireless signal quality for local residents, those traveling along the major roads, as well as 4G services.

The performance of a wireless network is dependent on the geographical location of its equipment, height of its antennas, coverage signal, the demand customers place on the network, as well as proximity to the users. SNC takes into account numerous factors when selecting a suitable site for a wireless antenna system, including:

- expected usage patterns of service and proximity to users;
- local topography and building types;
- interaction with existing and future sites;
- line-of-sight requirements / coverage signal;
- opportunities to use existing structures;

- availability of land that that will be leased on reasonable terms; and
- the industry's commitment to high service standards and customer satisfaction.

In reviewing the location and design of the proposed installation, we examined the surrounding area, assessed the visual impact of the structure, and determined the required structural design.

The following properties were investigated and ruled out due to unwilling landlords:

- 2431 Mer Bleue Rd.
- 2419 Mer Bleue Rd.
- 2345 Mer Bleue Rd.
- 2319 Mer Bleue Rd.
- 2311 Mer Bleue Rd.

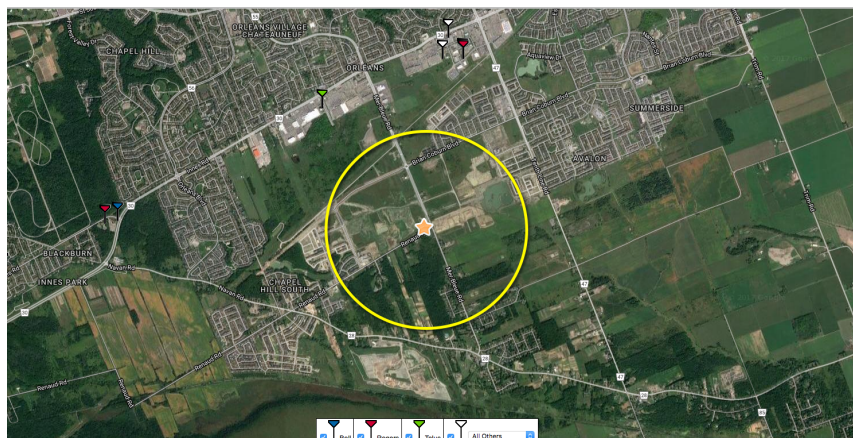
Background & Coverage Requirement

The selection of a wireless communications site works similarly to fitting a piece into a puzzle. In this case, the puzzle is a complex radio network, situated in a semi-urban setting. Client demand and complaints, radio frequency engineering principles, local topography and land-use opportunities working in concert with one another and direct the geography of our sites.

In order to achieve a reliable wireless network, carriers must provide a seamless transmission signal to alleviate any gaps in coverage. Gaps in coverage are responsible for dropped calls and unavailable service to clients. SNC would offer space on the proposed site location for multiple carriers to provide high quality network signal for their high-speed wireless voice and data networks.

The removal of the existing site to the north would create an unacceptable gap in coverage.

Existing Sites in the Area



The map on the previous page shows the various sites along Innes Rd. that are currently in-service.

The yellow star identifies the proposed location on Renaud Rd. at Mer Bleue Rd. and the circle shows the approximate coverage area. It will vary for different carriers depending on the height that they each achieve on the tower.

The area on the west side of Mer Bleue Rd. is currently being residentially developed and the residents will continue to require cell coverage from their providers. Without this tower, there will be a significant void in coverage.

Proposed Site Location

The geographic coordinates for the site are as follows:

Latitude (NAD 83) N 45° 26' 21.2"

Longitude (NAD 83) W 75° 29' 45.7"



Description of Proposed System

The proposed installation is a 50m-high tri-pole steel lattice structure with an external ladder. The wireless communication structure will provide high-speed voice and data services for subscribers of multiple wireless carriers.

A row of cedar hedges will be planted on the northern edge of the compound to help mitigate the visual impact of the installation on the property immediately to the north.

Motion-detected lighting at night will not exceed 0.5 foot candles spilling onto adjacent properties.

Control of Public Access

The site facility would include a minimum of (1) galvanized steel radio equipment walk-in cabinet on cast in place reinforced concrete slab. There would be a 2.4m-high chain link fence topped with barbed wire installed around the base of the installation and would include one locked gate access point.

Health Canada's Safety Code 6 Compliance

Health Canada is responsible for research and investigation to determine and promulgate the health protection limits for Exposure to the RF electromagnetic energy. Accordingly, Health Canada has developed a guideline entitled "Limits of Human Exposure to Radiofrequency Electromagnetic Field in the Frequency Range from 3kHz to 300 GHz – Safety Code 6". The exposure limits specified in Safety Code 6 were established from the results of hundreds of studies over the past several decades where the effects of RF energy on biological organisms were examined. Canada's exposure limits are among the most stringent guidelines that are based on established effects.

Radio-communication, including technical aspects related to broadcasting, is under responsibility of the Department of Innovation, Science and Economic Development Canada which has the power to establish standards, rules, policies and procedures. Innovation, Science and Economic Development Canada, under this authority, has adopted Safety Code 6 for the protection of the general public. As such, Innovation, Science and Economic Development Canada requires all proponents and operators to ensure that their installations and apparatus comply with the Safety Code 6 at all times.

SNC attests that the radio antenna system described in this notification package will at all times 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.

Canadian Environmental Assessment Act

Innovation, Science and Economic Development 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 designated under CEAA 2012, or is located on federal lands.

SNC 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.

For additional detailed information, please consult the Canadian Environmental Assessment Act at: <http://laws-lois.justice.gc.ca/eng/acts/C-15.21/>

Transport Canada's Aeronautical Obstruction Marking Requirements

SNC 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. SNC has confirmed with Transport Canada that the proposed installation will not require markings or lighting.

For additional detailed information, please consult Transport Canada at: <http://www.tc.gc.ca/eng/civilaviation/regserv/cars/part6-standards-standard621-3808.htm>

Engineering Practices

SNC 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.

Innovation, Science and Economic Development Canada - Spectrum Management

Telecommunication tower/antenna systems are exclusively regulated under the Federal Radiocommunication Act and administered by Innovation, Science and Economic Development Canada (formerly Industry Canada). While the City of Ottawa has a significant role to play in the approval of a tower or antenna installation, the ultimate decision to approve a tower or antenna systems lies with Innovation, Science and Economic Development Canada.

Because wireless services are federally regulated, Innovation, Science and Development Canada has established a clear set of rules that wireless carriers must follow when looking to install or modify a tower or antenna system (the "Innovation, Science and Development Canada Rules" - *Client Procedures Circulars* (CPC 2-0-03 - Radiocommunication and Broadcasting Antenna Systems)).

For information on the Innovation, Science and Economic Development Canada Rules, please consult their web site at: www.ic.gc.ca/epic/site/smt-gst.nsf/en/sfo8777e.html or the applicable local office:

Innovation, Science and Economic Development Canada

Spectrum Management

Eastern Ontario District Office

2 Queen Street East

Sault Ste. Marie, ON, P6A 1Y3

Telephone: 1-855-465-6307

Fax: 705-941-4607

Email: spectrum.ottawa@ic.gc.ca

Web: http://www.ic.gc.ca/eic/site/smt-gst.nsf/fra/h_sfo1702.html

General information relating to antenna systems is available on Innovation, Science and Economic Development Canada's Spectrum Management and Telecommunications website (<http://www.ic.gc.ca/epic/site/smt-gst.nsf/en/home>).

Municipal and Public Consultation

The consultation process established under Innovation, Science and Economic Development Canada's authority is intended to allow the local land-use authorities the opportunity to address land-use concerns while respecting the federal government's exclusive jurisdiction in the siting and operation of wireless and data systems. The City of Ottawa has developed its own protocol and SNC is following it.

The protocol is available for review here:

<https://ottawa.ca/en/city-hall/planning-and-development/how-develop-property/development-application-review-process-2-1/municipal-concurrence-and-public-consultation-process-antenna-systems#policy>

The provisions of the Ontario Planning Act and other municipal by-laws and regulations do not apply to federal undertakings and as a result wireless communication facilities are not required to obtain municipal permits of any kind.

The map on the following page identifies the property owners that require a notification package to be mailed to them describing the nature of the proposed installation. SNC will respond to all reasonable and relevant concerns from residents and will provide a copy of any correspondence to the City of Ottawa and Innovation, Science and Economic Development Canada at the close of the public comment and consultation period.

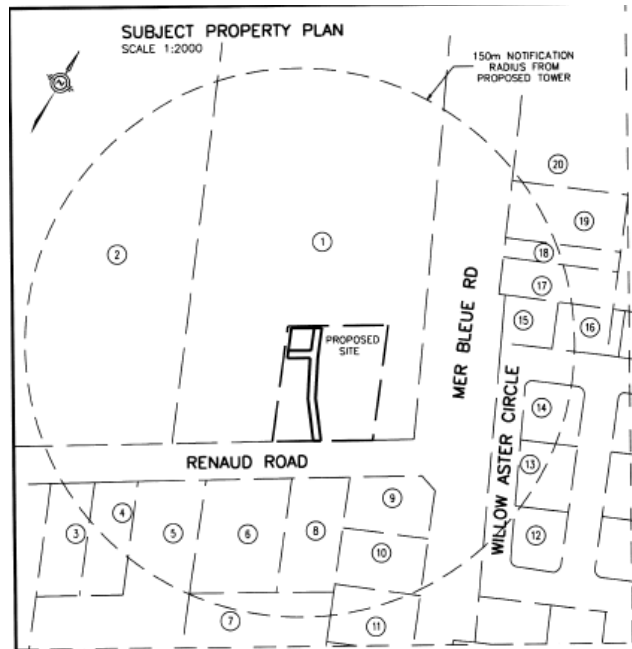


Photo Renderings

Renderings have been produced from the locations identified below:



View 1 – Before:



View 1 – After:



View 2 – Before:



View 2 – After:



Contact Information - SNC and Public Comment Submission

SNC is committed to effective public consultation. The public is invited to provide comments to SNC about this proposal by electronic mail, phone or fax. Please send your comments to the address below by the close of business day on March 2nd, 2018.

Public Information & Comment Session/séance communautaire d'information et de commentaires

The public is invited to attend a drop-in information & comment session from 1pm-3pm on Saturday, February 17th in the Fallingbrook Room at the Ray Friel Recreation Complex.

Vous êtes invités à assister à une séance d'information et de commentaires dans la salle Fallingbrook au Complexe récréatif Ray Friel, 1585 rue Tenth Line, samedi le 17 février de 13h à 15h.

Après avoir examiné cette proposition, la Ville d'Ottawa fera part de sa position à Industrie Canada et à SNC.

Closing Date for Submission of Written Public Comments

Innovation, Science and Economic Development Canada's rules contain requirements for timely response to your questions, comments or concerns. We will acknowledge receipt of your communication within *14 days* and will provide a formal response to the City of Ottawa and those members of the public who communicated to SNC, within *60 days*. The members of the public who communicated with SNC will then have *21 days* to review and reply to SNC a final response.

To be considered part of this consultation, comments must be received by the close of business day on March 2nd, 2018.

Proponent's Contact Information - SNC:

Eric Belchamber, Wireless Site Specialist
Phone: (613) 220-5970
Fax: (613) 482-4583
eric.belchamber@landsquared.com

Land-Use Authority's Contact Information:

Craig Hamilton, Planning and Growth Management Department
City of Ottawa, 110 Laurier Ave. West
Ottawa, ON K1P 1J1
Phone: (613) 580-2424
Craig.hamilton@ottawa.ca

Public Comment Record

Proposed Wireless Communications Installation

Site Address: 6615 Renaud Rd., Navan, Ontario, K4B 1H9

Name: _____

Address: _____

Telephone: _____ **E-mail:** _____

Comments

To be considered part of this consultation, comments must be received by the close of business day on March 2nd, 2018. Please forward your comments to:

Shared Network Canada
c/o Eric Belchamber, Wireless Site Specialist
Phone: (613) 220-5970
Fax: (613) 482-4583

E-mail: eric.belchamber@landsquared.com

* Comments received shall form part of Innovation, Science and Economic Development Canada's Public Consultation Process under the Spectrum Management and Telecommunications Client Procedures Circular CPC-2-0-03, Issue 5, and will be made public as part of a report issued to the City of Ottawa and Innovation, Science and Economic Development Canada.