

## Public Consultation Package – Wireless Communications Site

### Rogers Site: C6572

#### Proposed Site Location: 601 Park Road North, Brantford, Ontario N3T 5L8

This information package is an invitation to the public to provide comments regarding a proposed wireless communication installation at an address known as 601 Park Road North, Brantford, Ontario. Information received shall form part of Innovation, Science and Economic Development Canada (ISED), Public Consultation Process under the Spectrum Management and Telecommunications Client Procedures Circular CPC-2-0-03, Issue 6, and will be collected in compliance with the Personal Information Protection and Electronic Documents Act. The information collected will be used solely for the purpose of documenting Rogers' consultation and communicating the results of this consultation, including your comments to the City of Brantford and/or ISED and communicating with you concerning this proposal should that be required.

#### Introduction

The on-going increase in the use of personal cellular phones and other wireless devices and broadband internet for personal, business and emergency purposes require the development of new wireless communication infrastructure. Canadians currently use more than 33 million wireless devices daily. More importantly, each year Canadians place more than 6 million calls to 911 or other emergency numbers from their mobile phones.

Rogers Communications Inc. "Rogers" constantly strives to improve coverage and network quality for the sake of their clients. In the recent past, due to subscriber feedback, our Network Planning and Engineering departments have become aware of coverage deficiencies within the general area of The Ridge.

#### 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 rural setting. Client demand, radio frequency engineering principles, local topography and land use opportunities working in concert with one another direct the geography of our sites.

Rogers Communications Inc. would utilize the following proposed site location to provide high quality 4G and 5G wireless network coverage and capacity for products and services such as cellular phones and wireless internet in the surrounding area. The site as proposed will achieve the necessary engineering coverage objectives for our network. The proposed location will enhance much relied upon communication services in the area such as EMS Response, Police and Fire.

#### Proposed Site Location

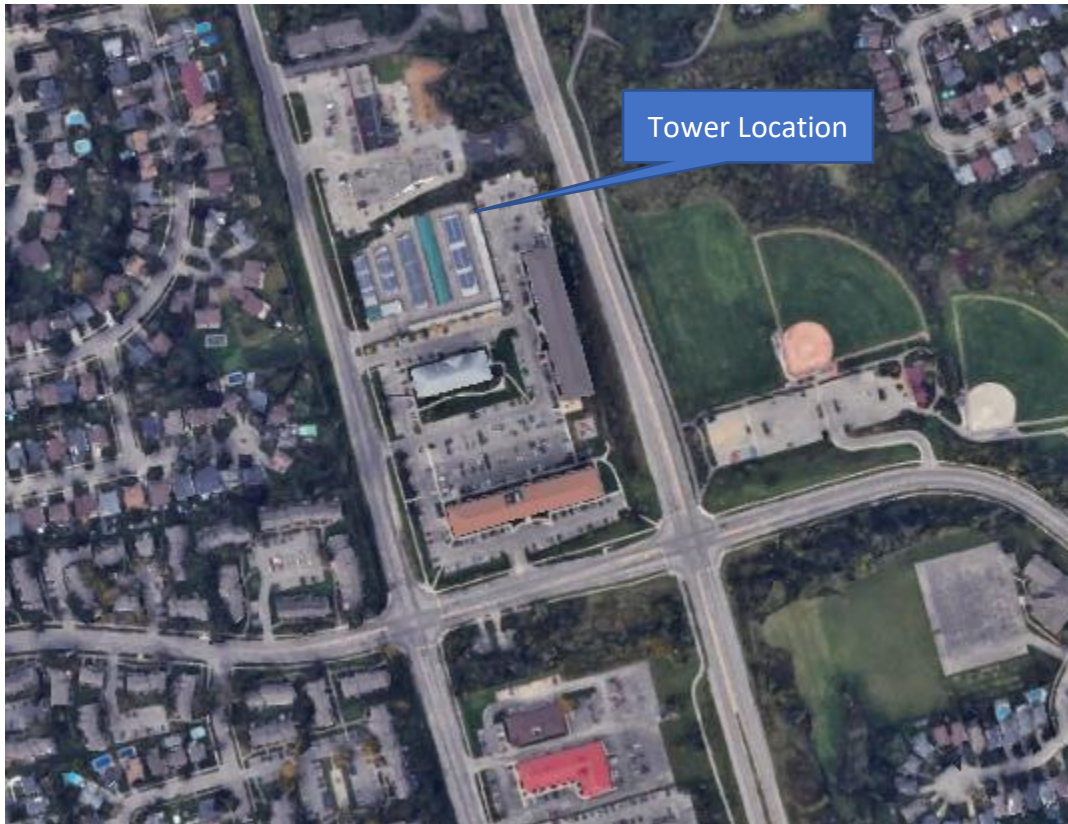
Address: 601 Park Road North, Brantford, Ontario N3T 5L8

Property Size: Approximately 0.9 hectares

Geographic coordinates: Latitude (NAD83) N 43° 11' 08.7" Longitude (NAD 83) W -80° 14' 59.6"

The proposed wireless communication structure will be located at the east side of the subject property, approximately 200 meters north from the intersection of Park Road North and Dunsdon Street.

Figure 1 – Proposed tower location on the subject property is outlined in an aerial image below.



### **Description of Proposed Facility**

The proposed installation for 601 Park Road North, Brantford is a 25 metre Monopole Tower communications structure with associated radio equipment cabinet on cast in place reinforced concrete slab. The installation would occupy a ground compound area 27 square metres. The Monopole design has been used throughout the City of Brantford and is appropriate considering the area context. The design, construction, and installation of the installation of the facility will be consistent with the required engineering practices. The Monopole would be white in colour.

Please refer below for a sample of the installation for your reference (Figure 2). The viewscape provided below simulates the view of the proposed installation from Hwy 28 and is intended to be a close representation of the proposed installation.

Figure 2 – Photo Simulation



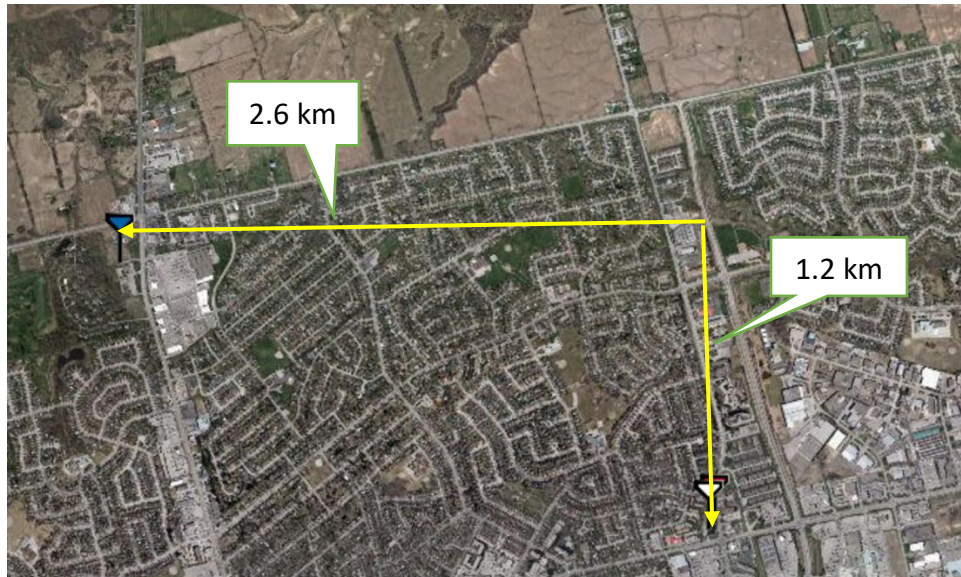
## Description of Proposed System

Rogers proposes to initially install a 6-sectored 850 MHz UMTS/HSPA and 700, 850, 1900, 2100 & 2600MHz LTE services. The installation would accommodate future technology services as well as other potential co-location with additional licensed carriers helping to further reduce the number of future structures in the area.

Since there were no suitable structures readily available for co-location to accommodate our network coverage requirements, Rogers Communications Inc. had to consider the construction of its own installation.

A survey of installations in the surrounding area in relation to our proposed site location are illustrated on an aerial shown below - (Figure 3).

Figure 3 – Co-location Map



### LEGEND:

- Red Pin – Rogers Structure
- Blue pin – Bell Mobility Structures
- White pin – Freedom Mobile Structures

## Federal Requirements

Rogers Communications Inc. is regulated and licensed by ISED to provide inter-provincial wireless voice and data services. As a federal undertaking, Rogers is required by ISED to fulfill the following important obligations:

## Municipal Consultation Process

Rogers is required by ISED to consult with land-use authorities in siting antenna locations. This consultation process is intended to allow 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 voice and data systems.

As the provisions of the Ontario Planning Act and other municipal by-laws and regulations do not apply to federal undertakings, wireless communication facilities are not required to obtain municipal permits of any kind. Rogers is however required to follow established and documented wireless protocols or processes set forth by land-use authorities.

In fulfillment of the City of Brantford's requirements for public notification, Rogers will be providing an information package to all those property owners located within a radius of approximately 75 meters from the tower base. Concurrent to the mailing of this information package Rogers will place a notice in the local community newspaper and, a public notice will be installed at the site.

### **Canadian Environmental Assessment Act**

ISED 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.

*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**

Rogers anticipates that the proposed installation will require markings or lighting. Structures that require lighting/markings will comply with CAR 621 Standards Obstruction Markings. The standards provide for a combination of a medium intensity flashing white light during the day and steady burning aviation red light and/or flashing aviation red beacons at night.

For additional detailed information, please consult Transport Canada at: <https://www.tc.gc.ca/en/transport-canada/corporate/acts-regulations/regulations/sor-96-433/standard-621.html>

### **Health Canada's Safety Code 6 Compliance**

Radio communication and broadcasting is under the responsibility of ISED, which has the power to establish standards, rules, policies, and procedures. ISED, under this authority, has adopted Safety Code 6 for the protection of the public. Operators must always comply with the Safety Code 6.

Health Canada is responsible for research and investigation to determine and promulgate health protection limits for Exposure to 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". Exposure limits specified in Safety Code 6 were established from the results of hundreds of studies over the past several decades.

Rogers Communications Inc. attests that the radio antenna system described in this notification package will always comply with Health Canada's Safety Code 6 limits. In fact, emissions levels of Roger's wireless communication installations are far below limits outlined in Safety Code 6.

More information in the area of RF exposure and health is available at the following web sites:

*Safety Code 6:*

[http://www.hc-sc.gc.ca/ewh-semt/pubs/radiation/radio\\_guide-lignes\\_direct-eng.php](http://www.hc-sc.gc.ca/ewh-semt/pubs/radiation/radio_guide-lignes_direct-eng.php)

General Information:

<http://www.hc-sc.gc.ca/ewh-semt/radiation/cons/stations/index-eng.php>

## Conclusion

Access to reliable wireless communications services is important to residents' and travelers' safety. Strong wireless networks are building blocks for all sectors of the economy and provide a competitive advantage for Canadian communities. Improved wireless coverage also means better access to emergency services such as fire, police, or ambulance.

Rogers feels that the proposed site is well located to provide and improve wireless voice and data services in the targeted area. Rogers looks forward to working with the City of Brantford in providing improved wireless services to the community.

## Closing Date for Submission of Written Public Comments

The public is invited to provide comments about this proposal by mail, electronic mail, or phone. Please send your comments to the address below by the close of business day on MM/DD/YY.

We will acknowledge receipt of all communication within **14 days** and will provide a formal response to the Municipality and those members of the public who communicate to Rogers, within **60 days**. The members of the public who communicated with Rogers will then have **21 days** to review and reply to Rogers a final response.

### Proponent's Contact Information

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### Land Use Authority Contact

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Planning and Development  
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### ISED's, Spectrum Management Contact

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Email: [ic.spectrumswodo-  
spectrebdsoo.ic@canada.ca](mailto:ic.spectrumswodo-spectrebdsoo.ic@canada.ca)

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