

## ANNEX – A - STATEMENT OF WORK (SOW)

<b>TITLE</b>	St Stephen 3 <sup>rd</sup> Bridge and Fosterville Ports of Entry (POE) Installation and testing of Cellular Booster Systems
<b>OBJECTIVE</b>	Improve existing cellular service signal strength for cellular providers to provide consistent & reliable talk, text and data throughput to support up to 4G services including LTE, HSPA+, GSM, an CDMA.
<b>BACKGROUND</b>	The goal of this project is to improve cellular service in support of network data connectivity for health & safety reasons, traveller's requirements/applications, etc.
<b>SCOPE</b>	<p>Install cellular boosters that support up to 8,000 square feet of service in the Travellers and Commercial building at the following sites:</p> <p><b>St Stephen 3<sup>rd</sup> Bridge - 20 St. Stephen Drive, St Stephen NB E3L 0B5</b></p> <p><b>Fosterville - 4575 Route 122, Fosterville NB E6H 2B6</b></p> <p>The cellular boosters must</p> <ol style="list-style-type: none"> <li>1) Work with all phones and all carriers</li> <li>2) Support all 2G, 3G, and 4G services (LTE, HSPA+, GSM, CDMA, etc.)</li> <li>3) Contain a graphical uplink &amp; downlink power meter</li> <li>4) Provide consistent &amp; reliable talk, text, and data throughput</li> </ol>
<b>TASKS</b>	<p>Provide cellular booster equipment and miscellaneous parts to complete the installs.</p> <p>Test installed boosters to confirm signal quality throughout the office space.</p> <p>The installation at each POE will consists of the following tasks:</p> <ol style="list-style-type: none"> <li>1) Mounting donor/outside antenna on the roof of the building and electrically ground to building grounding system.</li> <li>2) Mounting amplifier inside the building. The amplifier will be mounted near 110V outlet as it requires a power outlet.</li> <li>3) Mounting repeater or repeaters inside the office space</li> <li>4) Installing cables to connect outside donor antenna and the inside repeaters to the cell amplifier</li> <li>5) Providing a waterproof protection for the cable entry points from outside antenna to Cellular Booster within the building.</li> </ol>
<b>CONSTRAINTS</b>	Vendor must comply with installation directions contained within each site report.
<b>CLIENT SUPPORT</b>	CBSA will provide technical guidance, onsite contact and escort during installation.

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<b>SCHEDULE AND COSTS</b>	Installation must be complete within 60 days of contract award.
<b>DELIVERABLES</b>	<p>New building cellular booster systems that provide strong and consistent signal inside the office and that can support reliable voice and data communications.</p> <p>Test report that includes results with and without booster system for:</p> <ul style="list-style-type: none"><li>- Inside Cellular Signal Strength</li><li>- Outside Signal Strength</li><li>- indicates improved data throughput</li></ul>