

# Ottawa Light Rail Transit

**Organization:** Bell Mobility Radio

**Technology Focus:** High Speed Data Radio System (HDRS), Distributed Antenna System (DAS), P25 Radio Coverage enhancement,

**Duration of the project:** 2016 - 2019

In order to improve traffic flow downtown and provide better and more efficient mobility to the citizens, the Ottawa City Council decided to implement an Electric Light Rail Train system, the ELRT.

The first phase, called the Confederation Line, runs from Tunney's Pasture Station in the west to Blair Road in the east. Thirteen stations dot the 12.5 KM route, 10 KM of which run above ground. 2.5 KM of the rail run underground supporting three downtown stations.

Cartel worked in partnership with Bell Mobility Radio to provide 800 MHz P25 radio coverage to the stations and underground tunnels. Cartel designed and delivered a radio coverage enhancement system for the maintenance and storage facility. Tunnel coverage was accomplished using a redundant active fiber-based distribution system. Cartel was also responsible for the configuration, testing, and commissioning of the P25 radio coverage enhancement.

