

# BAYSHORE SHOPPING CENTRE -OTTAWA CANADA



Level signs displaying available parking of upcoming floors



USDS counting level entry/exits

Bayshore Shopping Centre is one of Ottawa's largest shopping malls, containing over 190 retailers. It boasts more than 4,000 parking spaces, most of which reside in two multi-level parking structures. In 2015, Q-Free was contracted to install a Parking Guidance System (PGS) inside the main parking garage as part of a \$200 million redevelopment and expansion project.

The PGS consists of Ultrasonic Directional Sensors (USDS) counting vehicle entry/exits into each of the five levels. These counts are then sent to LED displays installed throughout the structure that efficiently guide traffic to available parking spaces.

In 2016, Q-Free was contracted again to provide a PGS for the property's second parking structure. This additional system has

USDS and LED displays throughout the five levels. Data from both systems is fed back to a virtual server which can be monitored in real-time by property management and allows the creation of customizable reports.

## INSTALLATION HIGHLIGHTS

- USDS tracking the throughput of 10,000+ vehicles daily
- Large LED gantry sign overhanging a double lane entrance
- Master and level signs display parking availability at key decision points
- Virtual PGS server maintained by property management which eliminates the need for a physical server on-site

