

CASE STUDY



Charlotte Area Transit System

The Charlotte Area Transit System (CATS) operates the bus service, trolley and light rail system (LYNX) for the Charlotte metropolitan area. CATS required a parking guidance solution to make parking easier as well as more efficient for their I-485 Park and Ride location. This location provides surface lot and garage parking for customers using LYNX.

TCS provided a customized Parking Guidance System solution utilizing ultrasonic directional sensors to monitor vehicle traffic at the entrance/exits of the parking garage, and in ground vehicle detection loops for the surface parking lot. Roadway signs display the parking availability to potential Park and Ride patrons. The TCS Visual Control Center software package is utilized to manage the system providing a user friendly interface and statistic information.

Installation Highlights:

- Garage and surface lots monitored
- Ultrasonic Directional Sensors provide accurate counts
- In ground vehicle detection loops used in the surface lot
- TCS Visual Control Center manages all devices and provides an easy to use graphical user interface
- Double sided parking availability sign for multidirectional viewing

Technologies:

- Ultrasonic Directional Sensors
- In ground loop detectors
- Facility counting
- Communication media conversion



Parking Availability Sign

About TCS

TCS International manufactures and designs intelligent parking guidance solutions. Real time monitoring allows our customers to promote open spaces, and improve vehicle flow by reducing "cruising" which increases operator and customer satisfaction. Getting customers to their destination more quickly has the added benefit of reducing your facility's carbon footprint. TCS conceptualizes, manufactures, and continually improves all of its products by harnessing over 100 years of direct industry knowledge found in its product development team. From wireless intelligent parking guidance systems, to automated parking management solutions, TCS provides end-to-end solutions to monitor and facilitate car egress for any facility.

