



# Selmon Crosstown Expressway Reversible Lanes ITS

**Client: Tampa-Hillsborough Expressway Authority**

**Location: Tampa, FL**



## System Features

- DYNAC ATMS® Software •
- Reversible Roadway Management •
- High Availability Architecture •
- Display Wall •
- NTCIP Compliant •
- Dynamic Message Signs •
- CCTV •
- Traffic Signals •
- Warning Gates •
- Barrier Gates •
- Redundant Fiber Optics •

**DYNAC**®

**IBTTA Toll Excellence**

*--International Bridge, Tunnel and  
Turnpike Association*

The Tampa-Hillsborough Expressway Authority (THEA) currently owns and operates the ten-mile Reversible Lanes Bridge built in the median of the existing Selmon Crosstown Expressway. To alleviate congestion, traffic on the new three-lane expressway flows westbound into downtown during morning commute times and reverses to eastbound during evening peak travel times. The new structure gives commuters a nonstop route from Brandon to downtown via the new Tampa Downtown Gateway at Meridian Avenue.

The Authority selected Transdyn to design and build an Intelligent Transportation System (ITS) for the operation of the Selmon Crosstown Expressway Reversible lanes between Town Center Boulevard in Brandon and Twiggs Street in Downtown Tampa, the Brandon Parkway gateway project in Brandon and the Meridian gateway project in the Channelside District of Downtown Tampa.

Transdyn designed, developed, integrated, commissioned, and supports this project that required a number of ITS components to manage, control and operate the roadway. The new system integrates and automates various ITS functions such as warning gates, barrier gates, variable and changeable message signs, video surveillance, vehicle detection and verification, and information dissemination.

Managed by Transdyn's DYNAC ATMS® software, the integrated traffic management system allows the Authority to reduce congestion and more effectively manage traffic conditions. The system runs on redundant servers and distributed workstations.