

## SynchroGreen Addresses Traffic Congestion Caused By High Pedestrian Volumes



### >>Project Background

SR 436 (Altamonte Drive), between Westmonte Drive and Maitland Avenue, is a 1.7 mile roadway segment in Seminole County, Florida. The study area for this corridor includes 12 traffic signals, a minimum six lane roadway section, and has an Average Daily Traffic (ADT) of over 59,600 vehicles. Daily traffic consists of emergency responders traveling to and from nearby hospitals, as well as the drivers that are en route to the Altamonte Mall and numerous retail, dining, and entertainment establishments along the corridor. In addition, SR 436 had many traffic signal coordination issues that were directly attributed to high pedestrian volumes. Within a 24-hour period, over 1,100 pedestrian calls have been recorded at the study intersections.



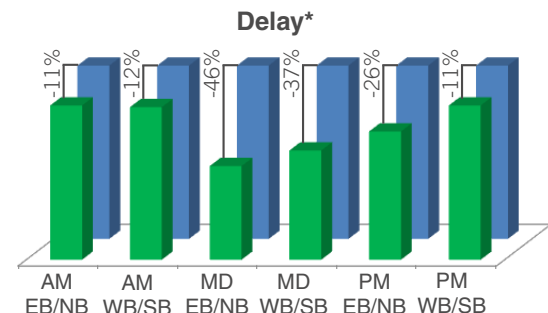
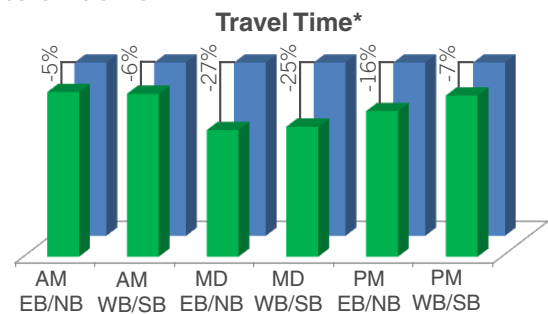
### >>Objective

The goal of this project was to accommodate high pedestrian volumes along SR 436 while also improving traffic conditions by reducing travel time and delay. Specifically, the objectives were to:

- Reduce Arterial Travel Time
- Reduce the impact of pedestrian traffic
- Reduce Arterial Delay

### >>Results

During a study performed by Seminole County, reductions in arterial travel time and delay were observed in all time periods after SynchroGreen was made active. Most notably, mid-day (MD) travel time runs were reduced by 27 percent eastbound and 25 percent westbound, while arterial delay was reduced by 46 percent eastbound and 37 percent westbound.



\*Data depicts the percent reduction in the Delay and Travel Times.