



## The Setup

On State Road 436 (Altamonte Drive ) in Seminole County, Florida, commuters navigate through six lanes of congested traffic to access a concentration of retail businesses, the Altamonte Mall, and multiple hospitals. Twelve traffic signals control the flow of 59,600 average daily travelers through the 1.7-mile corridor between Westmonte Drive and Maitland Ave.

Seminole County conducted research at the project site and recorded significant pedestrian traffic, receiving more than 1,100 pedestrian calls over 24-hours. The heavy foot traffic throughout the corridor caused timing signals for multiple intersections to fall out of sequence, clogging the arterial, and increasing delay and travel time. As a part of a ripple effect, emergency vehicles were forced to navigate through the congested corridor to reach the surrounding hospitals, potentially risking lives.

To mitigate traffic congestion, reduce the impact of pedestrian traffic, and decrease travel time and delay, Seminole County traffic professionals turned to Trafficware’s SynchroGreen. SynchroGreen analyzed traffic conditions and adjusted traffic signal timing in real-time, interfacing with the controller to manage the flow of the corridor.

<p>Average Daily Travelers</p> <p><b>59k</b></p>	<p>Travel Time Reduced By As Much As</p> <p><b>27%</b></p>	<p>Delay Reduced By As Much As</p> <p><b>46%</b></p>
--	--	--

## The Results

SynchroGreen successfully regulated both pedestrian and vehicle traffic on SR436, realigning the timing signals along the corridor in real-time to reduce travel times by as much as 27 percent. Since deployment, SynchroGreen decreased the overall arterial delay by as much as 46 percent, clearing the dangerous traffic and providing quick passage for emergency responders.

### Delay and Travel Time on SR436 in Seminole County, FL

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

