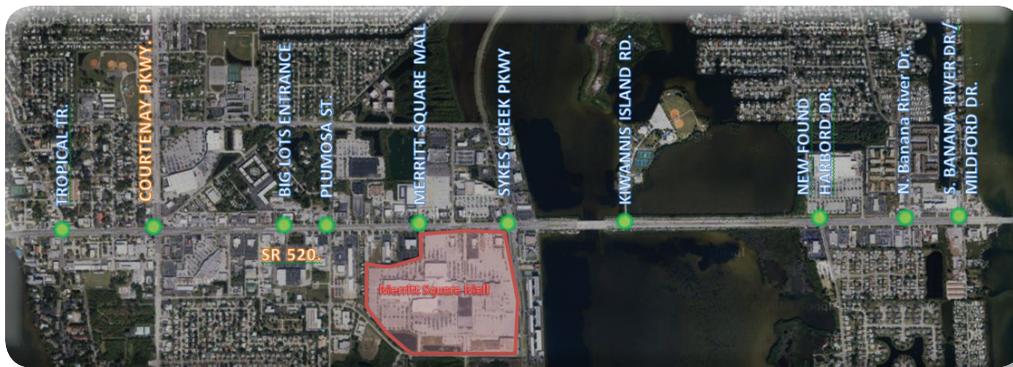


SynchroGreen Reduces Travel Time and Delay in Brevard County



>>Project Background

SR 520 in Brevard County, Florida is a major east-west arterial that is vital to the economy in Central Florida. SR 520 not only serves as a link between I-95 and residential and commercial developments, it also provides access to beaches, vacation destinations, cruise ship terminals and other attractions. SR 520 experiences substantial season traffic fluctuations due to tourist-related traffic. Additionally, SR 520 is also a critical hurricane evacuation route. SR 520 in Merritt Island, Florida is a 2.5 mile corridor consisting of 10 traffic signals that link Merritt Island and Kiwanis Island. The Average Daily Traffic (ADT) on SR 520 is approximately 37,000 vehicles. The SR 520 project was part of Brevard County's ATMS expansion project that involved the installation of SynchroGreen at over 100 intersections throughout the County and is one of the largest adaptive signal control systems in the United States.



>>Objective

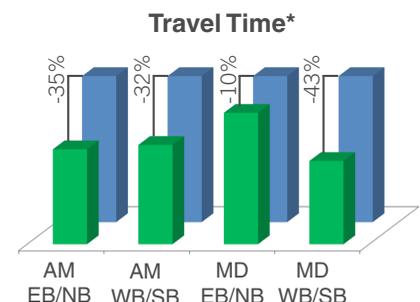
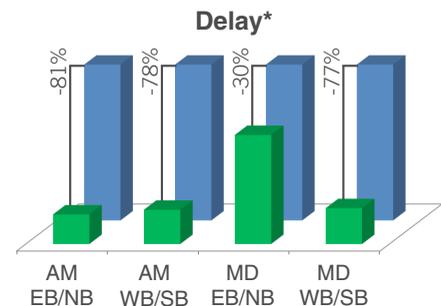
The main objective behind implementing SynchroGreen in Brevard County was to better manage the large fluctuations in seasonal and tourist traffic, as well as provide a more effective way to evacuate residents during hurricane season. Overall, the essential objectives of this project included:

- Reduce Arterial Travel Time
- Better accommodate event/seasonal traffic
- Reduce Arterial Delay
- Provide an effective traffic solution for hurricane evacuations

>>Results

By calibrating and simulating the SynchroGreen databases prior to implementation, Trafficware was able to deploy the Brevard County project in just four months.

Notable improvements can be seen in the morning travel times, with eastbound and westbound travel times being reduced by 35 percent and 32 percent, respectively. The delay in the mornings was also greatly reduced, with an 81 percent reduction for eastbound travelers and 78 percent reduction for westbound travelers.



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