

ASCT Verification Plan

The purpose of the ASCT verification plan is to document the way each of the requirements will be checked. All Seminole County ASCT requirements listed shall be verified using the following method:

Demonstration through Simulation: Demonstration will be performed with system operators present and shall verify that all requirements are met by observing the results of the requirements performed under the specific condition. All system measurements performed under the test demonstration shall be displayed for accuracy, comparison purposes, and displayed in graphs to compare against other systems. The demonstration shall simulate the system before adaptive control and after (on/off). All results shall be documented including:

- Average Cycle Length
- Intersection Delay and LOS
- Stops
- Arterial Travel Time
- MOE's

The system shall be documented with the attached verification matrix.

ASCT Validation Plan

Once the system is fully integrated and all the requirements have been verified, SCTE will start the validation process by analyzing the various corridors. SCTE will be looking at ADT's, arterial travel time, and overall intersection delay before and after the system is turned on. Seminole County will turn the system off and perform yearly on/off studies. These studies have been proven to be very useful in assessing the effectiveness of the adaptive system.