

ASCT Verification Plan

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

Demonstration through a travel time study: 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 measure the system performance before adaptive control and after (on/off). All results shall be documented for individual intersections and for the corridors during the AM, midday, PM, and weekend peak periods, including:

- Average Cycle Length
- Delay
- Level of Service
- Stop Time
- Travel Time
- Fuel Consumption

ASCT Validation Plan

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