PILOT PROJECT
BIKE DETECTION AND
DEDICATED BIKE SIGNALS
The purpose of the first phase of the pilot project is to simply introduce the bike signals to the public so they can get familiar with seeing them, and also to evaluate the effectiveness of the bike detection.

Image below detects cyclist in left arrow lane...

...and shows cyclist through the turn phase with coordinated signalization.

Bicycle Detection System Installed at Two Weston Traffic Signals
Broward County has installed an enhanced bicycle detection system at two intersections in Weston:
- Saddle Club Road & Royal Palm Boulevard/Glades Parkway (all directions), and
- Indian Trace & Saddle Club Road (North and South directions only)

The bike detection system has the ability to detect cyclists from other traffic in shared traffic lanes, as well as in designated bike lanes. If a bike is detected, the signal controller will provide timings more suitable for a cyclist to safely clear the intersection, and, in the future, it would trigger bike signal indications. The system can also count and record the number of cyclists, which is helpful for traffic engineers to analyze the traffic patterns of cyclists and make adjustments as needed.

The next step will be to install bicycle signal indicators (shown here) for the two intersections with the bike detection. For the pilot phase, the bike indicators will operate with the same timing as the adjacent vehicle lane indicators; therefore, the green bicycle signals will be displayed at the same time as regular green signal indicators of the adjacent through lanes (same for yellow and red). After reviewing this new concept, the public will be advised of further enhancements.