NEW INITIATIVES (WHITE PAPER) FY2018
** INCORPORATE ADAPTIVE SIGNALIZATION AT THE FUTURE PLANNED INTERSECTION AT NW 154TH ST AND 77TH AVE (WELLNESS WAY) **

April 18, 2018

PROPOSED BY: COUNCILMEMBER LUIS COLLAZO

1. Strategic Structure

Strategic Priority (1) – Enhance Mobility

Goal (1.9) - Improve Distribution of Traffic Flows (both spatially and timing)

New Initiative (1.9.4) - Incorporate Adaptive Signalization at the future planned intersection at NW 154th St and 77th Ave (Wellness WAY) Conduct a yearly survey to obtain resident feedback

2. Description & Legality

For phase I of this project, the Town of Miami Lakes executed an interlocal with Miami Dade County (MDC) which allows the Town to enter into a contract with Econolite to purchase and install the adaptive signal equipment. After the adaptive installation is accepted by the Town and the County, it will be passed on and maintained by MDC. A similar agreement can be reached for the extension of this system at the future planned intersection in NW 1554th and 77the Ave.

3. Funding Source & Cost Estimates

The estimated cost is approx. $50,000 for one intersection and it can be funded by impact fee or mobility fee funds.

4. Responsible Organizational Units / Resource Requirements

Miami Dade County PW Dept. and the project manager

5. High-Level Timeline/Schedule

FY2025. A study may be conducted to assess expected benefits and measure actual traffic flow improvements after installation.

6. Performance Tracking Measures Toward Achieving the Associated Goal

Goal: 1.9- Improve the distribution of traffic flows.

7. Identify Synergies to other Goals or Strategies

Enhance mobility

8. Feasible Alternative Strategies Addressing at a Minimum, Funding and Timeline, and may Provide Other Benefits of the Alternatives

The timeline for this initiative was for an implementation of 2025 as the new intersection will happen concurrently with the Palmetto lane expansion project. At that time, we should evaluate whether other technologies are available that may provide a more effective solution.