

# **Town of Miami Lakes** **“Congestion, and what we can do about it.”**

Presented to:



**MIAMI LAKES**  
Growing Beautifully

---

Presented by:



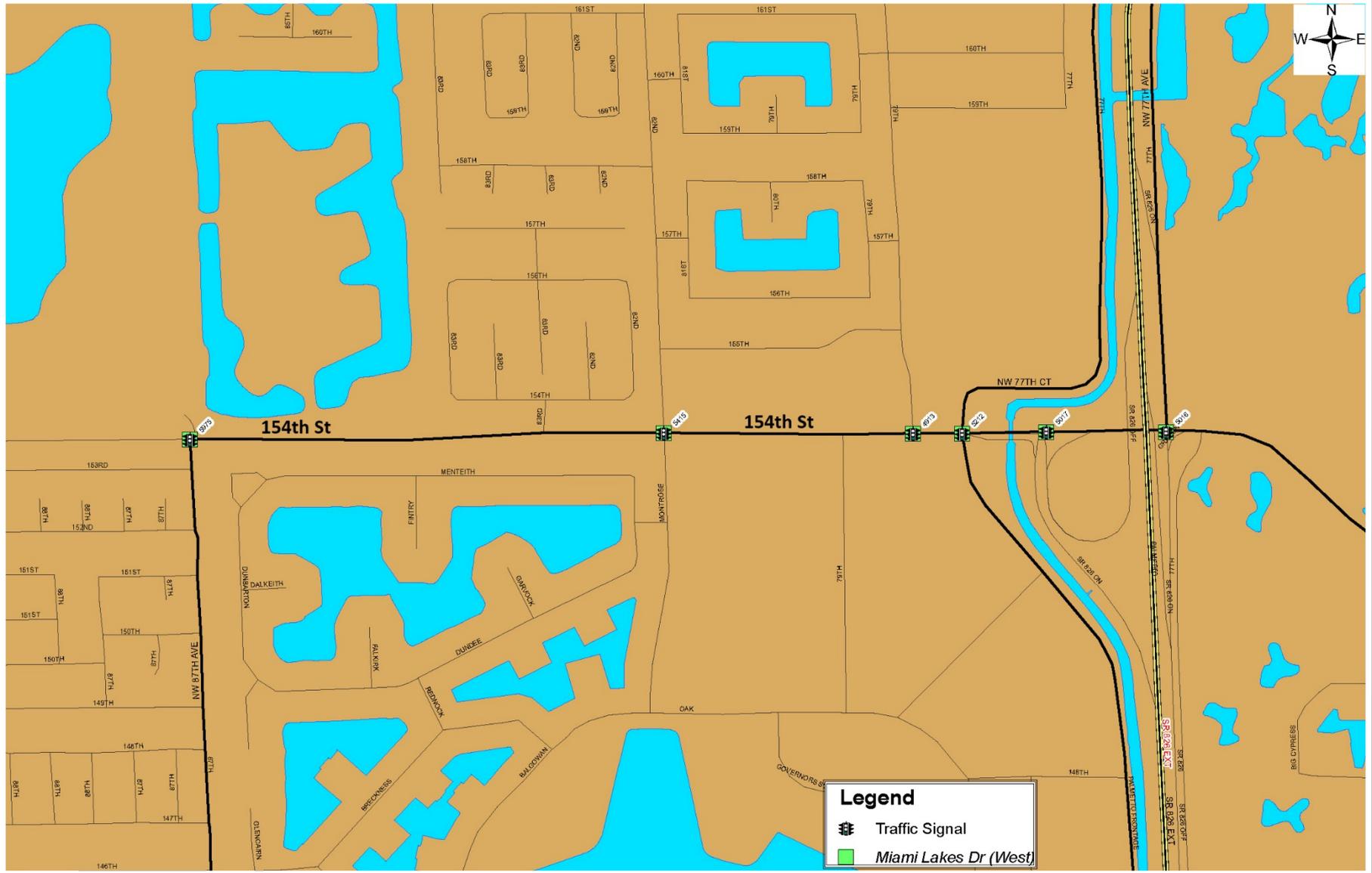
**Kimley»Horn**

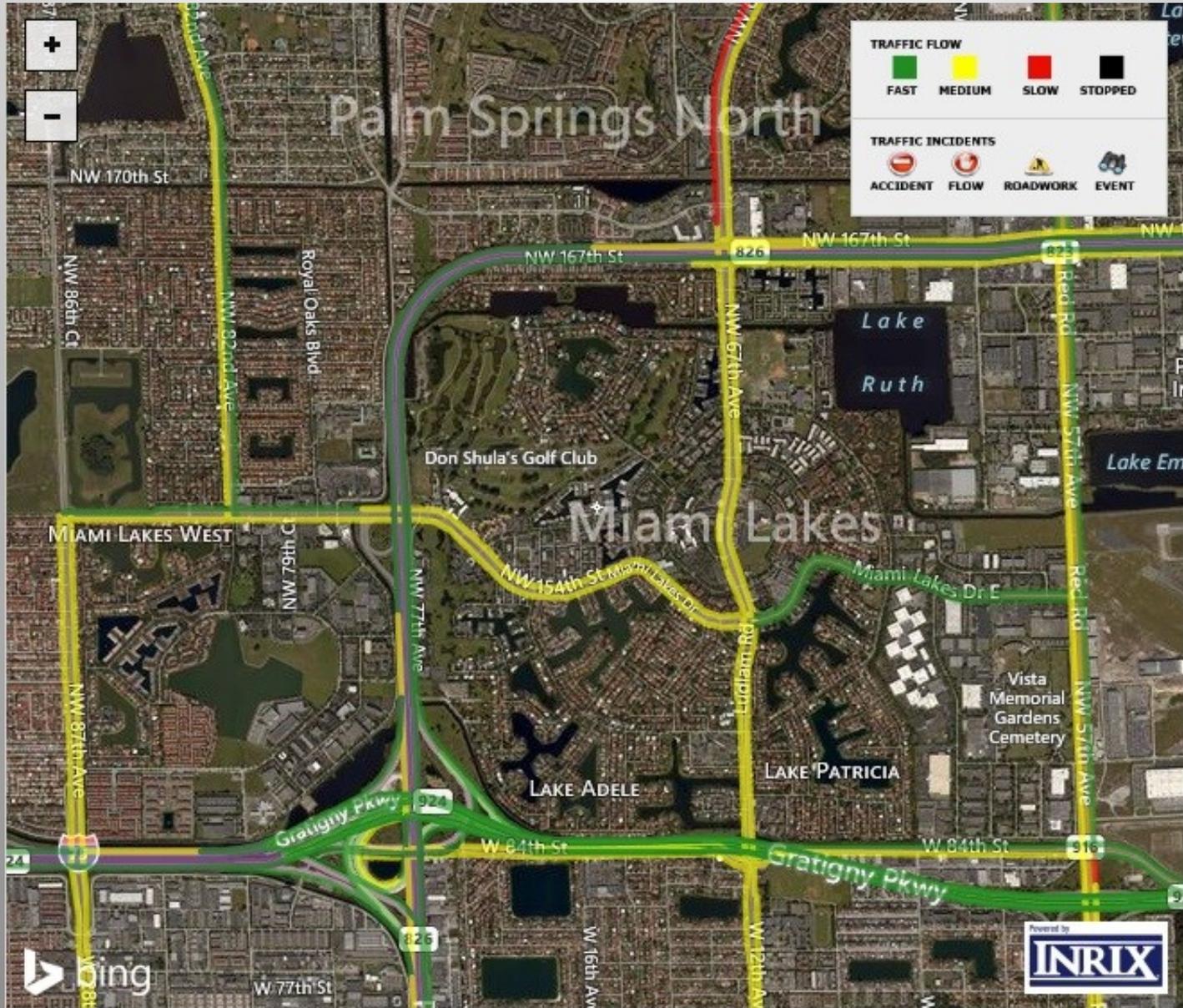
# Town's Congestion Profile

- ▶ Recurring Congestion – NW 154<sup>th</sup> Street: Weekday Peak Hours
- ▶ Non-Recurring – Related to Special Events
- ▶ Changing traffic patterns
- ▶ Bus Routes: Need for Schedule Reliability

# Miami Lakes Drive: Peak Hour Congestion

- ▶ Six intersection stretch; main flow alternates between N-S and E-W
- ▶ Need cycle-by-cycle signal timing changes based on dynamic data
- ▶ Adaptive Control Strategy





# Special Events Related Congestion

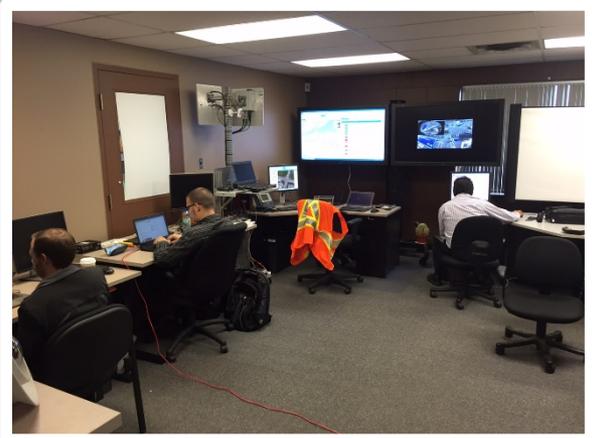
- ▶ Develop Special Events Timing Plans
- ▶ CCTV Monitoring for real-time conditions based on build-up
- ▶ Support to Town Police



# Field Equipment Status Monitoring

- ▶ 30 signalized intersections
- ▶ 75 detectors
- ▶ Repair priority notification





# Bus Schedule Reliability

- ▶ If schedules are reliable, ridership increases
- ▶ Transit signal priority improves schedule compliance



# Traffic Demand Changes

- ▶ Traffic demand data should be gathered more frequently as input to signal timing changes



# Town Action Can Supplement County's Modern ATMS

- ▶ By adding more detectors on key Town roadways
- ▶ By incorporating adaptive control on most congested intersections
- ▶ By incorporating transit signal priority (TSP)
- ▶ A traffic monitoring system with CCTV, dynamic message signs to help monitor congestion build-up immediately and taking corrective action

# Reduced Congestion

Dynamic  
Timing

Reliable  
Schedules

Emergency  
Response

Real-time  
Status



## *A Partnership to Enhance Mobility*

**Advanced Traffic Management System (ATMS) Platform**

**All 2,867 Signals: Deployed, Integrated, Benefits Being Realized**