

LAS OLAS BOULEVARD TRAFFIC CALMING AND SAFETY PROJECT UPDATE

CITY OF FORT LAUDERDALE
TRANSPORTATION & MOBILITY



Tonight's Agenda



Recap of Objectives/ Past Efforts



Summary of Progress to Date



Next Steps / Project Implementation Plan



Questions and Answers





Background

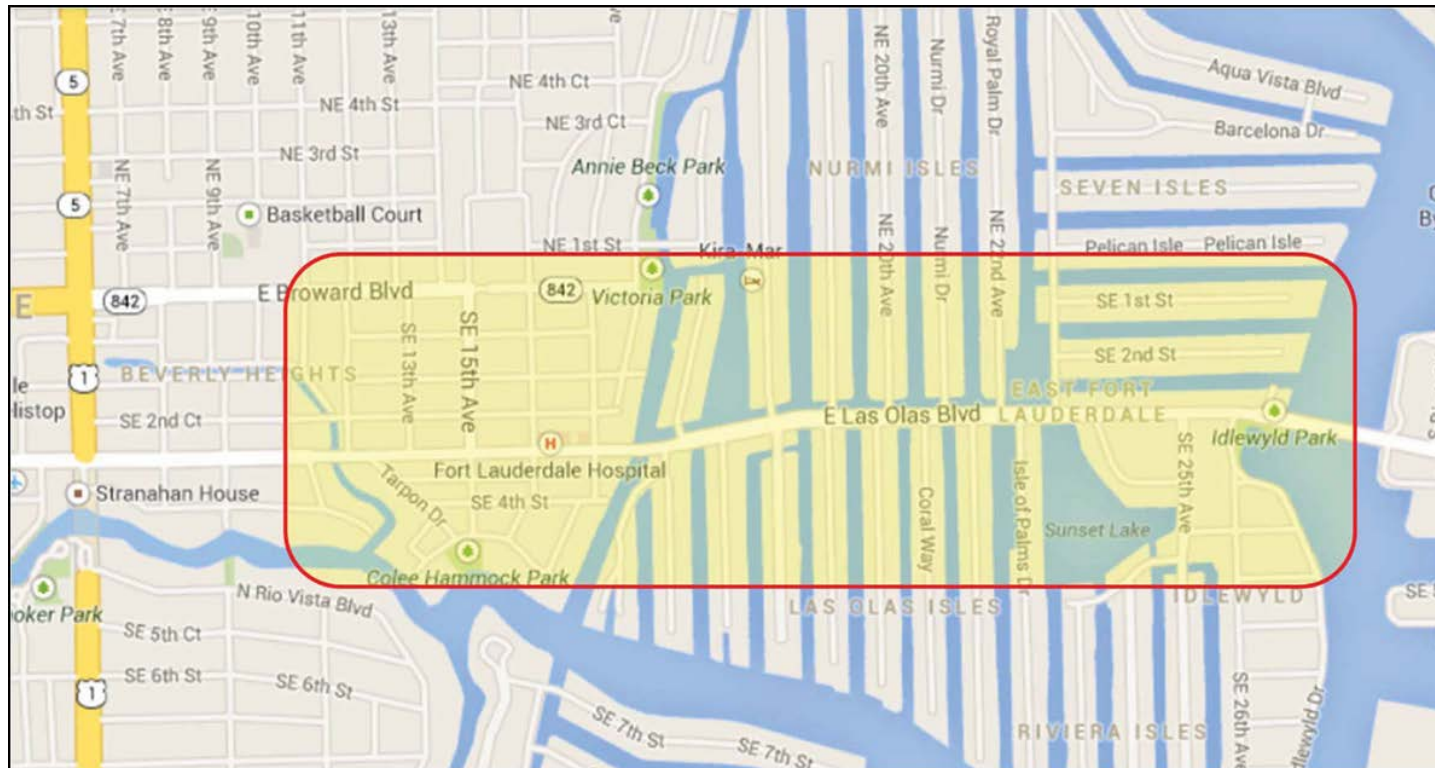
➤ APRIL 2013 – Workshop held to address the following objectives as part of a mobility study:

1. Reduce traffic volumes/speeds along local roadways in Colee Hammock
2. Reduce congestion on SE 15th Avenue supporting mobility to/from the Beach
3. Improve multimodal mobility and safety along Las Olas Boulevard



Background

- NOV 2013 – Workshop held to present study findings with short-term, mid-term, and long-term solutions.





Background

➤ February 2014 – Mobility study presented to Commission with direction to implement short-term and mid-term solutions

- Signal timing modifications to SE 15th Avenue at Broward and Las Olas Boulevards
- If signal modifications work, remove stop sign at SE 15th Avenue and SE 2nd Street
- Enhance the Las Olas Boulevard and SE 13th Avenue crossing
- Las Olas Boulevard road diet “Right Sizing of Las Olas” – *sandblasting and striping only (temporary trial)*
- Raised intersections and other traffic calming in Colee Hammock
- Modify centerline and stop bar placement at Broward Blvd. and SE 15th Ave to accommodate truck movements
- Enhanced crosswalk markings and supplemental signage, markings, and warning devices along Las Olas Boulevard and in-ground pavement markings along Broward Boulevard
- Lighting analysis in the study area
- Enhanced crossing lighting at Las Olas Boulevard and SE 15th Avenue
- Install speed control signs
- Install sharrow markings from SE 15th Avenue East along Las Olas Boulevard
- Special event signal timing planning



Progress

- Las Olas and SE 13th Avenue in-ground lighting and pedestrian crossing installed



Progress

- Las Olas and SE 13th Avenue enhancements (crosswalk painting/delineation and flags) completed



Progress

- Las Olas and SE 13th Avenue enhancements (pinching of corners, flex poles, and potted plants) completed



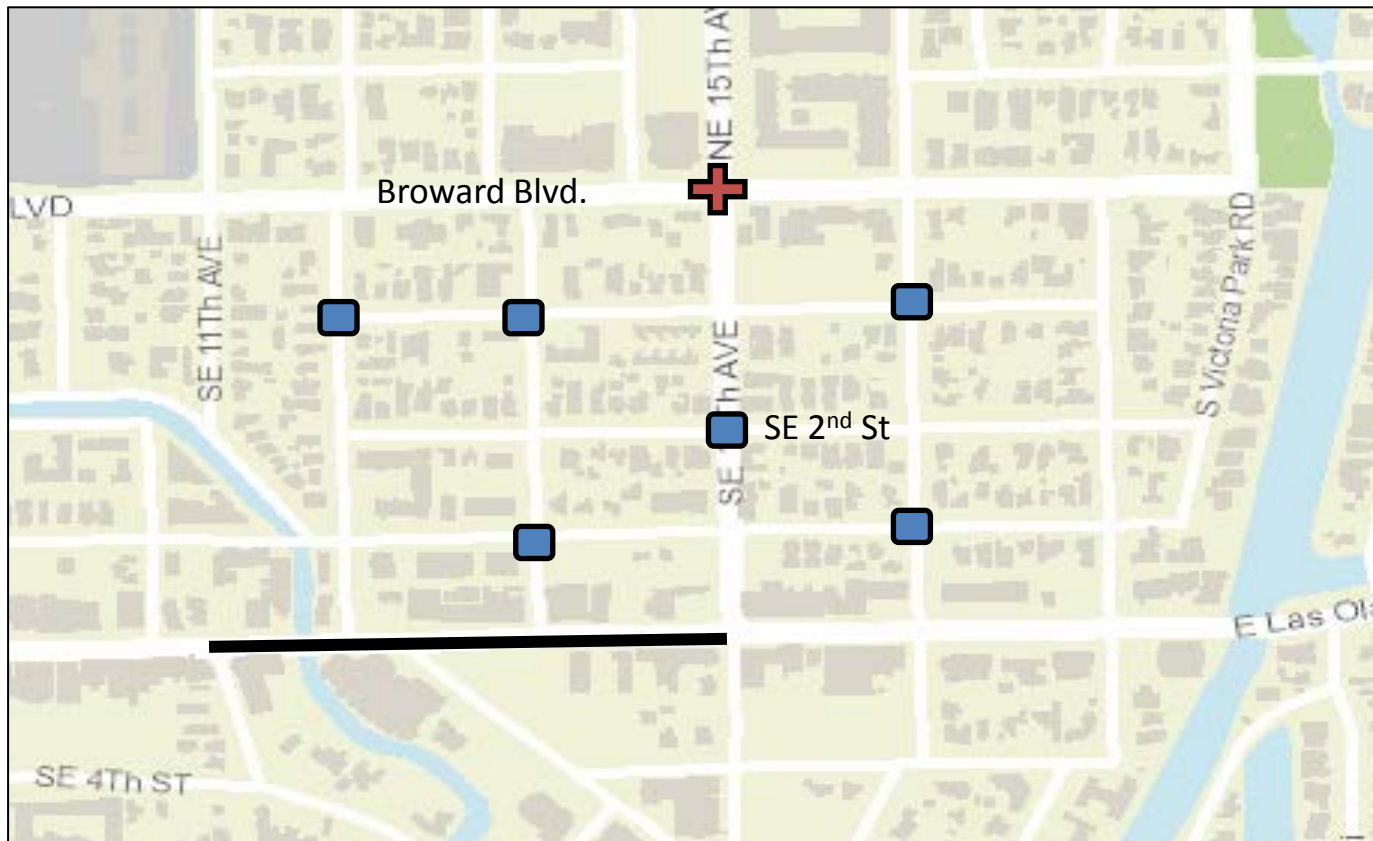
Progress

- Radar speed sign installed just west of SE 15th Avenue on north side of Las Olas Boulevard
- Signal modifications completed at Las Olas Boulevard and SE 15th Avenue and Broward Boulevard and SE 15th Avenue
- Completed roadway / typo survey of Las Olas Boulevard and streets within Colee Hammock
- Started special events maintenance of traffic process improvement, including signal timing planning



Progress

- Started concept design effort of “Las Olas Right Sizing,” Colee Hammock traffic calming improvements, and other listed improvements



+ Turning Radius Changes

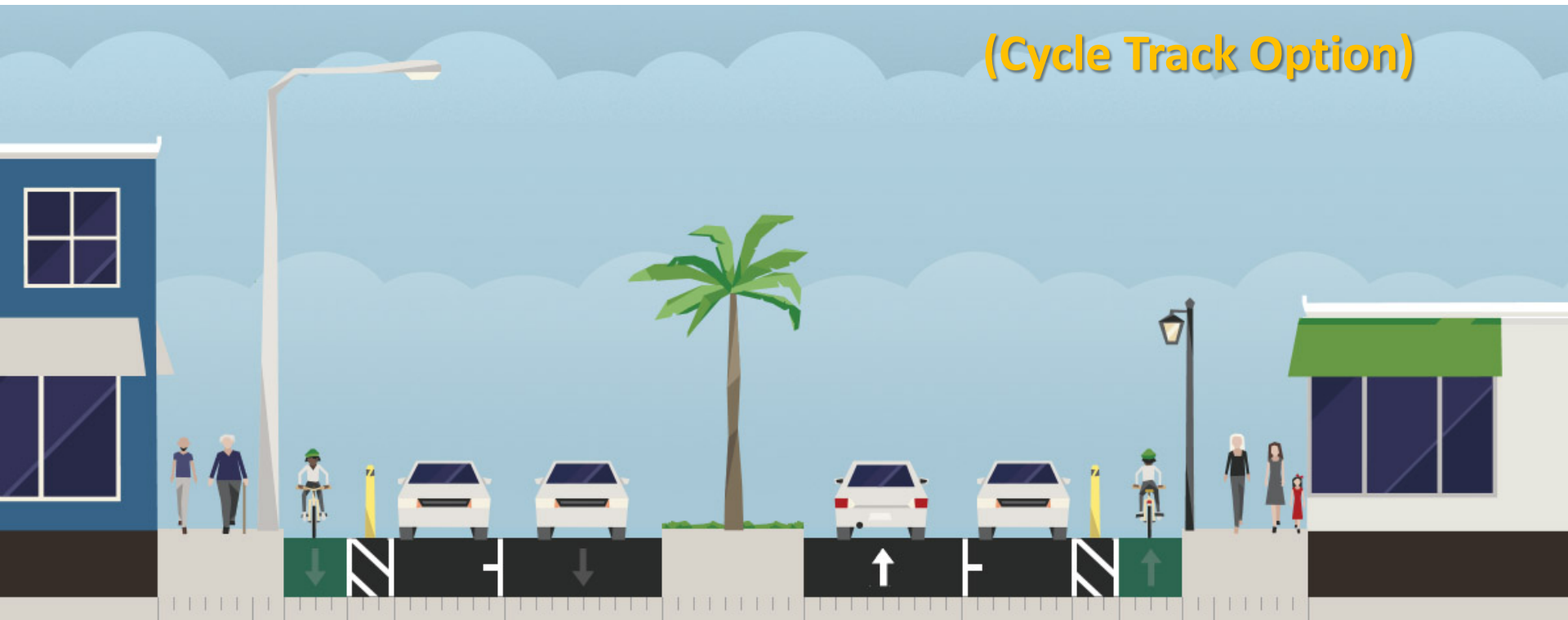
■ Traffic Calming Improvements

— Temp. Right-Sizing of Las Olas



Concepts for “Las Olas Right Sizing”

(Cycle Track Option)



Concepts for “Las Olas Right Sizing”

(Cycle Track Option)



Concepts for “Las Olas Right Sizing”

(Bike Lane Next to Travel Lane Option)



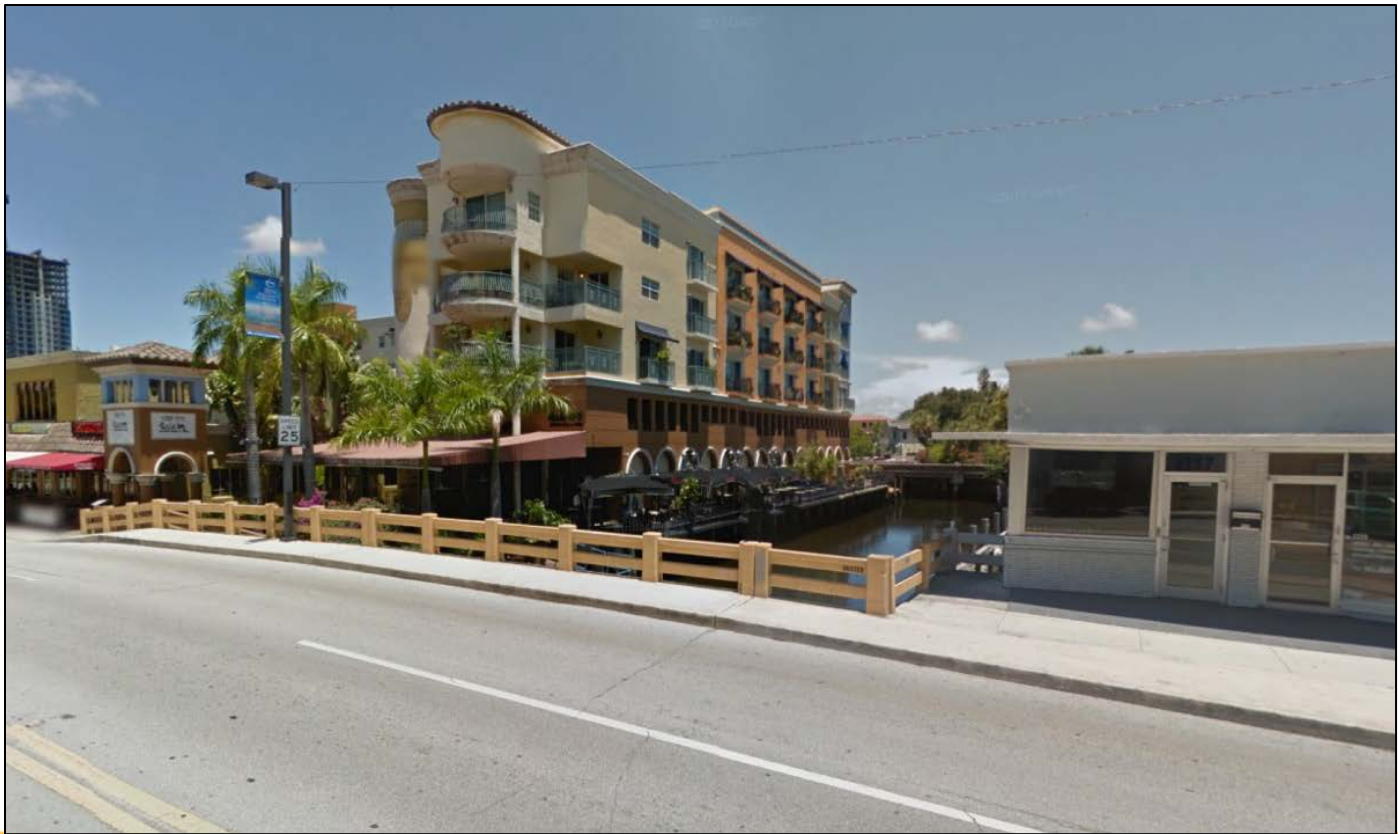
Concepts for “Las Olas Right Sizing”

(Bike Lane Next to Travel Lane Option)



Progress

- Prepared preliminary design concepts for a temporary bridge decking structure to extend the sidewalk over the Himmarshee Canal as an extension of the “Las Olas Right Sizing”



Concept for Bridge “Las Olas Right Sizing”



Progress

- Evaluated SE 15th Avenue
- New speed/volume counts conducted
- A dedicated left turn lane is warranted for both Broward Boulevard and Las Olas Boulevard (*identified as a long-term solution in the mobility study*)



Progress

- One Way analysis performed
 - SE 15th Avenue as North bound movement
 - SE 12th Avenue as South bound movement OR SE 13th Avenue as South bound alternative



One-Way Analysis Evaluation

- The One-way analysis shows the least amount of intersections operating below the adopted level of service (LOS) standard and results in the shortest vehicle queues is the SE 15th Avenue and SE 13th Avenue alternative (compared to today's existing condition of only one lane in each direction)
- If dedicated left turn lanes were to be installed at both Las Olas and Broward Boulevards (as existing conditions), the one-way analysis will not perform as well



One-Way Analysis

Additional Considerations

- One-way streets provide higher capacity than two-way streets, resulting in higher speed “if you build it, they will come”
- One-way streets can invite additional cut-through traffic
- One-way streets may require residents to travel circuitous routes



Recommendation

- + Add dedicated left turn Lanes on SE 15th Avenue at Broward and Las Olas Boulevards (*advance the long-term solution*) and do not move forward with one-ways



Next Steps

Step 1:

- SE 15th Avenue additional left-turn lane approval to implement now
- Pending approval, design and construct additional lanes

Step 2:

- Remove stop sign at SE 2nd Street and SE 15th Avenue and construct raised intersection and pedestrian crossing
- Retime signals to prepare for temporary “Las Olas Boulevard Right Sizing”

Step 3:

- Complete temporary “Las Olas Boulevard Right Sizing” including cycle track or bike lane cross section and bridge decking
- Institute special event signal modifications plan

Step 4:

- Evaluate results of temporary “Las Olas Boulevard Right Sizing” after 12 months
- Present to Commission the results of temporary trial with a decision to advance permanent changes or not



Questions?

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