



# NE 15<sup>th</sup> Avenue, Fort Lauderdale

*Story of completing a street*



CITY OF  
**FORT LAUDERDALE**

# NE 15<sup>TH</sup> AVENUE PROJECT



Planning

**2013 - 2015**

Approached by Lake Ridge regarding their transportation needs.

Worked with them to develop a Transportation Master Plan

Project development

**2015-2019**

NE 15<sup>th</sup> Ave was identified as the priority.

Worked with the neighborhood to finalize the desired scope of the project.

Funding approach

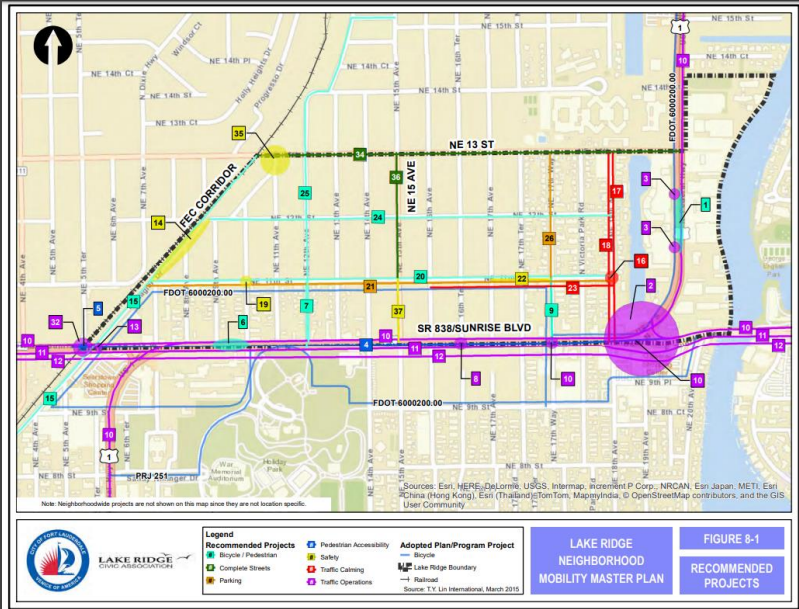
**2019-2021**

Began putting together applications for funding including CSLIP funding and using local funds

Implementation

**2021-now**



Implemented a lane elimination on NE 15<sup>th</sup> Ave with city funds, received funding from MPO for paint, planters, delineators while final funding is still being worked on.



# Lake Ridge Neighborhood Mobility Masterplan 2015 - 2025

**FINAL REPORT**

Prepared by:  
**TYLIN INTERNATIONAL**  
November 2015

*To create a transportation network within the Lake Ridge Neighborhood that makes it easier for all users to connect with their neighbors, nearby destinations, and other neighborhoods by whichever modes of transportation they choose.*

Figure7-7: Existing and Proposed Conceptual Typical Section, NE 15<sup>th</sup> Avenue "Road Diet" Project

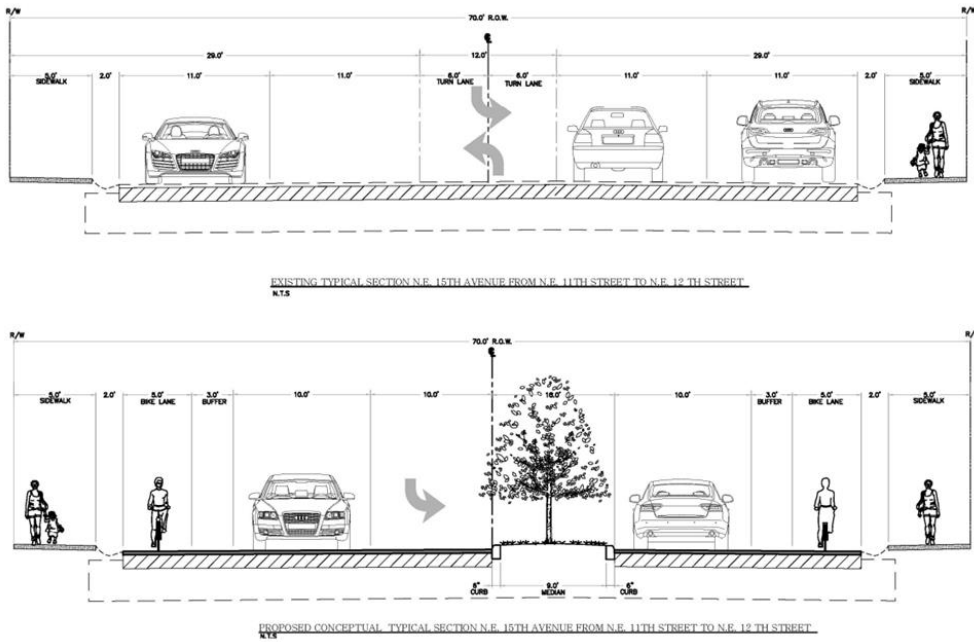
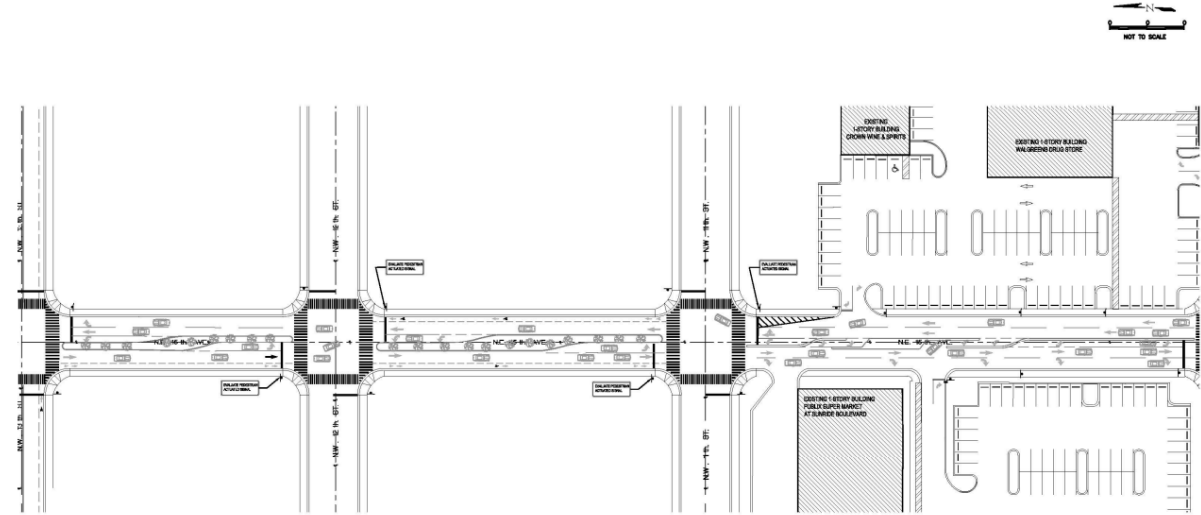


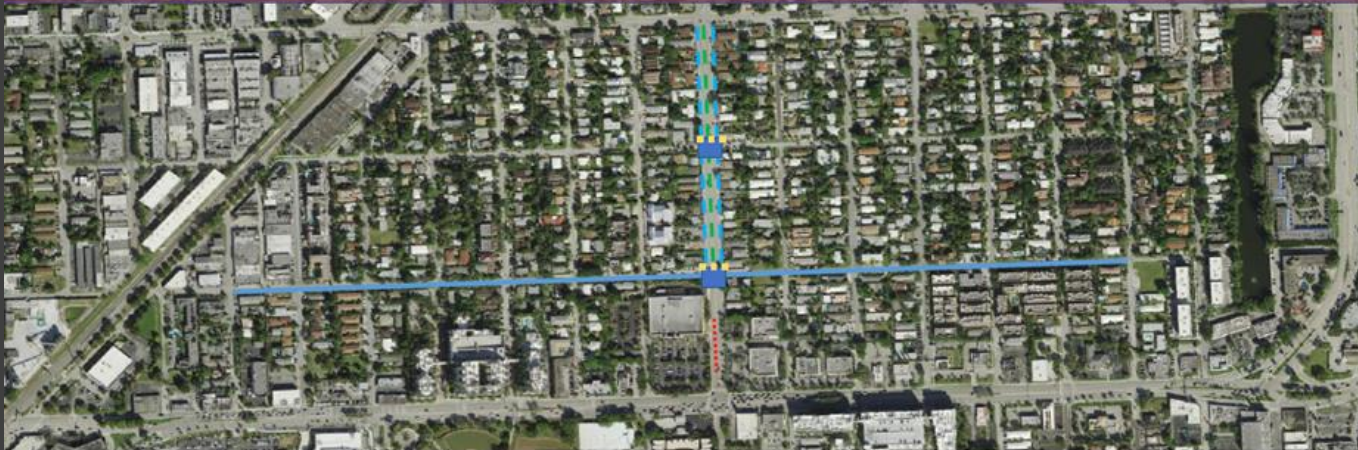
Figure7-6: Proposed Conceptual Layout, NE 15<sup>th</sup> Avenue "Road Diet" Project



# Priority Project – NE 15<sup>th</sup> Avenue

# Vision – Project Development

## NE 15<sup>th</sup> Avenue Improvement Project – Lake Ridge Segment



- Existing bike route
- Proposed bike lanes
- Proposed Median
- Raised intersection
- New Crosswalk
- Turning movement organization

### PROJECT DESCRIPTION

The Lake Ridge Traffic Calming Safety Improvements is a complete streets project to improve mobility for all users including vehicles, pedestrians, and bicyclists. The project includes improvements to NE 15th Avenue from Sunrise Blvd. to NE 13th Street to continue the cross-section on NE 15th Avenue that exists north of NE 13th Street south to Sunrise Boulevard. This project was identified within the Lake Ridge Mobility Master Plan.

### The project will include:

Install bicycle lanes on NE 15th Ave. that will connect to the existing bicycle route on NE 11th St. and bike lanes on NE 15th Ave. to the north of NE 13th St. Install median on NE 15th Ave. between NE 11th St. and NE 13th St.  
Install raised intersections at NE 11th St. and NE 12th St., to improve safety at intersections, calm traffic, and improve access.  
Reorganize vehicle turns between Sunrise Blvd. and NE 11th St. to create safer movement of vehicles entering and existing from the Publix and Walgreens properties  
Install crosswalks NE 15<sup>th</sup> Ave and NE 11<sup>th</sup> St and NE 12<sup>th</sup> St  
Install new LED roadway light fixtures to improve lighting for pedestrians and bicyclists  
Install raised intersections at NE 10th Ave., NE 12th Ave., and NE 17th Ave.  
Mill and resurface NE 15th Ave.

# NE 15<sup>th</sup> Avenue – Before Condition



# Traffic Analysis – Lane elimination study

TRAFFIC  
STUDY

NE 15<sup>th</sup>  
AVENUE,  
SUNRISE  
BOULEVARD  
TO NE 13<sup>th</sup>  
STREET

NOVEMBER 2018



Figure 2. Turning Movement Counts Location

FDOT sign off – May 2021

# Funding Approach



CITY OF FORT LAUDERDALE

- Identify needs
- Work toward potential short- and long-term funding needs simultaneously
- City CIP requests, MPO CSLIP applications, MPO BTactical Program, neighborhood and business participation





# IMPLEMENTATION QUICK WINS

# RESULTS - DATA COLLECTION



JANUARY 2022      2,958 vpd      3,358 vpd

	NB	SB
85 <sup>th</sup> Percentile	40 mph	34 mph
Average Speed	27 mph	21 mph
% Over AS	60%	14%



APRIL 2022      3,064 vpd      3,532 vpd

	NB	SB
85 <sup>th</sup> Percentile	39 mph	32 mph
Average Speed	26 mph	20 mph
% Over AS	55%	1%



SUMMARY TABLE 15 MIN SEGMENT RECORDS

Serial # 403648      Street: NE 15 AVE NB      Speed Limit: 35 MPH

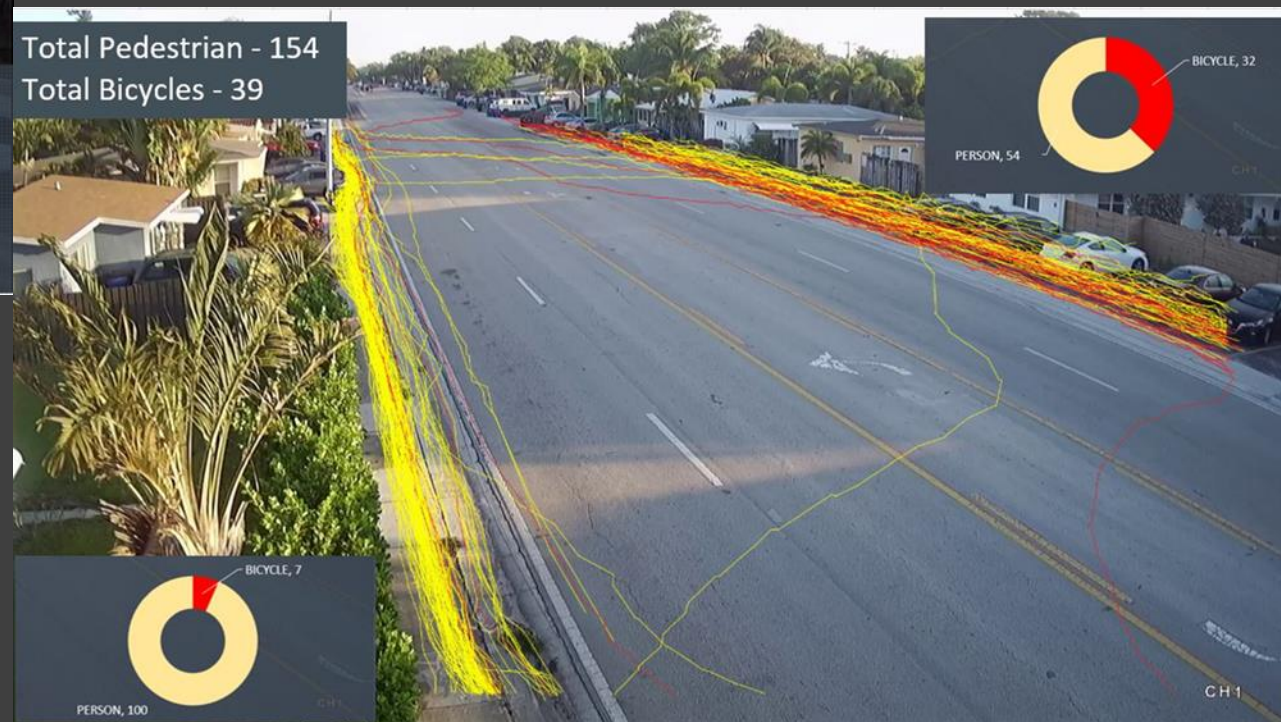
DATE	Vehicle Count	Speeder Count based on Avg. Spd.	Speeder Count % based on Avg. Spd.	Speeders > 5 MPH based on Avg. Spd.	Speeders > 10 MPH based on Avg. Spd.	Speeders > 15 MPH based on Avg. Spd.	Fastest Time Period	Speeders > 5 MPH based on Peak Spd.	Speeders > 10 MPH based on Peak Spd.	Speeders > 15 MPH based on Peak Spd.	Daily 85th %tile Speed	Daily Average Speed
Sep 1	2965	31	1%	9	5	0	6:15p	81	9	2	35	23.3
Sep 2	3028	39	1%	8	3	0	4:30p	74	12	6	35	23.2
Sep 3	2972	46	2%	7	2	2	4:45p	67	14	5	35	23.2
Sep 4	2914	37	1%	6	2	0	5:45p	79	12	4	36	23.5
Sep 5	2779	43	2%	7	1	0	1:30p	65	13	6	36	23.1
Sep 6	2857	33	1%	4	1	1	11:45p	62	6	2	35	23.1
Sep 7	2879	28	1%	3	1	0	2:45p	69	9	3	35	23.4
Sep 8	2767	25	1%	4	0	0	2:45p	34	4	1	35	22.9
Sep 9	2891	41	1%	9	4	2	3:30p	49	12	3	35	22.8
Sep 10	2925	34	1%	8	4	1	3:00p	61	13	6	36	23.5
Sep 11	2854	52	2%	11	4	2	3:15p	72	15	9	35	23.5
Sep 12	2878	42	2%	7	1	0	4:30p	73	13	2	35	23.4
Sep 13	2832	35	1%	8	3	0	1:00p	63	13	4	35	23.5
Sep 14	2873	28	1%	4	1	1	3:30p	57	9	1	35	23.2
Sep 15	2867	29	1%	2	1	1	3:30p	76	12	6	35	22.8
Sep 16	2932	33	1%	5	0	0	1:30p	73	8	4	35	23.3
Sep 17	2961	38	1%	8	1	0	5:15p	70	6	1	35	23.3
Sep 18	2676	61	2%	19	5	1	1:30p	66	11	6	35	23.2
Sep 19	2804	38	1%	8	2	1	5:45p	71	10	2	35	23.2
Sep 20	2843	27	1%	7	1	0	4:15p	60	6	3	35	23
Sep 21	2865	32	1%	4	2	0	3:15p	50	8	3	35	23.2
Sep 22	2879	30	1%	4	1	1	1:45p	54	12	2	35	22.9
Sep 23	2988	39	1%	4	1	0	4:15p	61	11	4	35	23.4
Sep 24	2981	51	2%	7	2	1	3:45p	71	8	2	35	23.3
Sep 25	2892	64	2%	17	1	0	3:00p	85	11	4	36	23.5
Sep 26	2680	41	2%	4	1	0	3:30p	46	5	1	35	22.6
Sep 27	2449	29	1%	8	1	1	3:15p	36	6	1	34	22.1
Sep 28	2681	37	1%	7	2	2	4:15p	72	10	3	35	22.3
Sep 29	1351	19	1%	5	1	0	3:30p	27	3	2	35	23.2

# DATA COLLECTION

Mid-Block Crossing Trajectories



Total Pedestrian - 154  
Total Bicycles - 39



# Stages of Change

## Original Condition

- 5 lane section, 2 lanes N/S TWLTL

## Lane elimination striping project

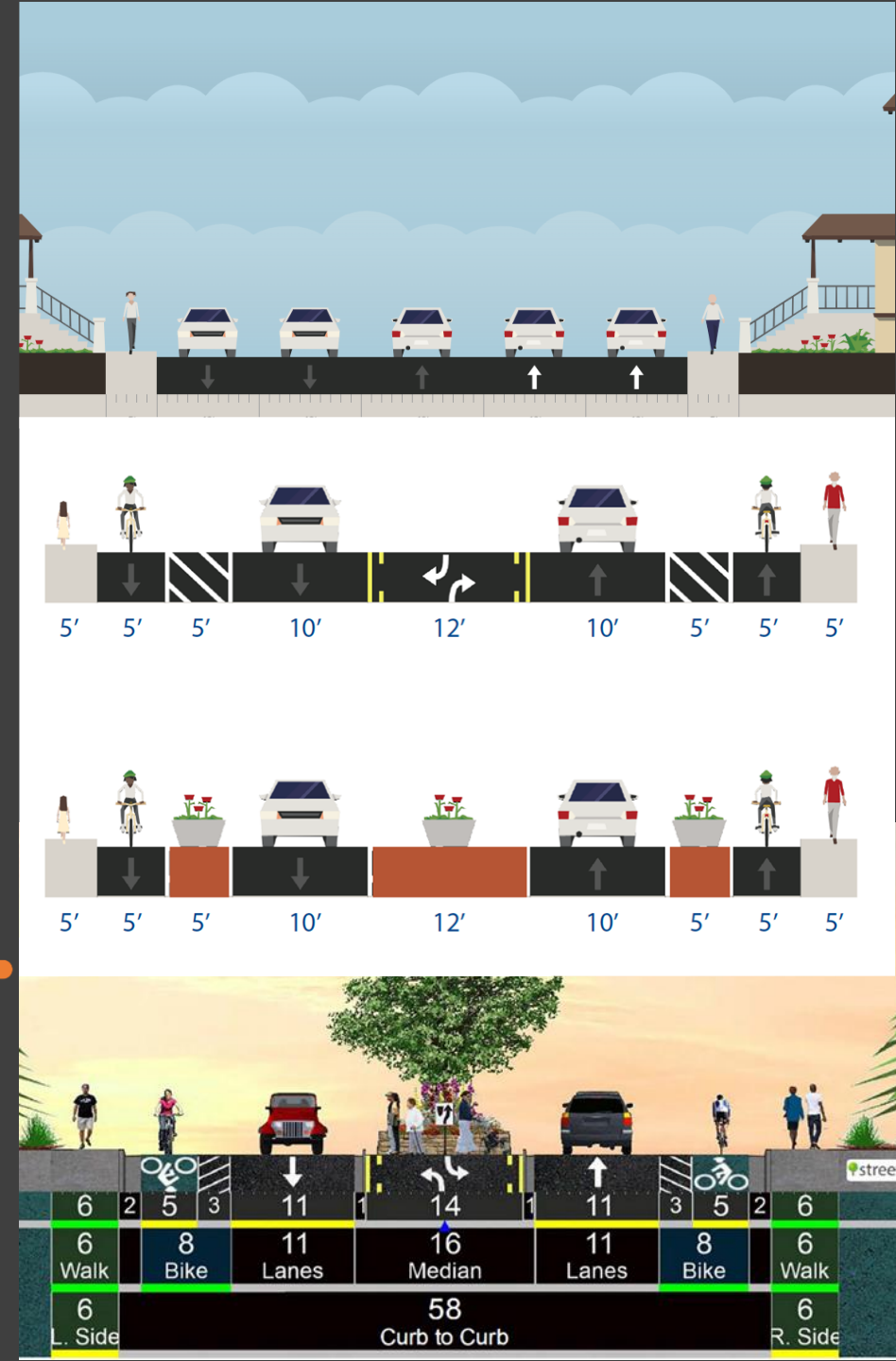
- 3 lane section, 1 lane N/S TWLTL, Buffered bike lane

## Tactical Urbanism project

- Add paint, planters, delineators to add crosswalks, curb extensions, and median refuges

## Long-term project

- Install median landscaped island to reduce overall pavement





# COMMUNITY SUPPORT



**POLITICAL  
SUPPORT**

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FAU Staff Neighborhood Volunteers with City of Fort Lauderdale and Broward Metropolitan Planning Organization

**President's Message**  
 By Michael Albetta  
 Hello Residents, Homeowners & Businesses of Lake Ridge, Fort Lauderdale. The Months of Summer will soon be upon us. Enjoy & please be safe. Lake Ridge asks you to be aware of (Continued pg. 3)

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PRESIDENT'S MESSAGE

4

BULKY PICKUP

PLANNING CHALLENGES

- Participating Agencies
- Participating Organizations
- Participating Businesses
- Participating Residents

5

MPD

Scan the code or click the link for more resources

- NE 15th Avenue Street Improvements
- USS Fort Lauderdale
- Code Reminders

KEEP CALM AND TRAFFIC ON

Traffic Calming ON 15TH AVE

**BEFORE**

**2015 MASTER PLAN**

**PROJECT DEVELOPMENT**

**APPLIED FOR FUNDING**

**2021 SHORT TERM TRAFFIC CALMING**

**2021 MPO BTACTICAL AWARDED**

**2022 WALKING AUDIT**

**2022 LANE ELIMINATION**

**CONSENSUS BUILDING**

**TACTICAL URBANISM**

**PROPOSED SOLUTIONS**

**PROPOSED BTACTICAL TREATMENT**

**NE 15th Ave** is a remnant of a previous time of widening neighborhood streets to move more vehicles faster at the expense of those living on the street and those trying to walk and bike along and across the wide road.

The NE 15th Avenue is an example of a community driven approach for changes to the transportation system through a process of advocacy and coming to consensus about the vision to be able to successfully move forward.

In 2014, the City's newly formed Transportation & Mobility Department began working with the neighborhood on their many transportation related needs and identified that a neighborhood-wide transportation master plan would be beneficial. The City worked with the residents of the neighborhood lead them through a planning process to address those needs. NE 15th Avenue was identified as the top priority project to move forward.

Since the completion, staff began moving the priority into Project Development that included collection of additional data, a Lane Elimination Study, and working with the neighborhood on the final scope to submit for funding requests.

The final scope will include bike lanes, crosswalks, landscaped median islands and redesigning the area between Sunrise Blvd and NE 11th Street to reduce conflicts.

Staff applied to funding programs in an effort to move the project forward. Due to the cost and timing of long range projects, staff recommended moving forward with a short term tactical urbanism style project in the mid-term to eliminate the lanes, add bike lanes and create crosswalks to test out the equipment and further influence the design.

The City utilized Master Plan funding to install the lane elimination portion of installation using striping only and applied for funding through the Broward Metropolitan Planning Organization BTACTICAL Program to assist with this project which was awarded.

Implementation is occurring in first half of 2022.

**TIMELINE**

- FROM 2014 TO 2016: Lane Ridge identifies traffic safety issues on NE 15th Avenue as a priority need and begins advocating for change.
- NOVEMBER 2014: Neighborhood Safety Master Plan project begins.
- NOVEMBER 2015: NE 15th Avenue Tactical Urbanism Master Plan complete.
- JUNE 2016: City Commission Approves Plan.
- 2016-2020 Project: Lane Elimination, Lane Widening, Landscaping, and Safety. 2016-2020 Project: Lane Elimination, Lane Widening, Landscaping, and Safety.
- MAY 2022: Tactical Urbanism concept installation.

**NACTO PRINCIPLES**

TRANSPORTATION

BY KAREN WARDLE  
 City of Fort Lauderdale  
 Transportation Planning Program Manager

## REIMAGINING NORTHEAST 15TH AVENUE

FOR EVERYONE UNDER THE SUN

In a previous column, I wrote about Tactical Urbanism and how it is used in the transportation field to create changes to a street through lower cost methods, often as an interim to a larger project. This method is being used on Northeast 15th Avenue between Sunrise Boulevard and Northeast 13th Street to being implementation of a project for which the Lake Ridge neighborhood has been advocating for many years.

This piece of Northeast 15th Avenue is a remnant of a time when engineers in South Florida were preparing for an unknown vehicle-centered future by converting neighborhood residential streets to large thoroughfares to move vehicles quickly. This was often done at the expense of the front yards of homes and created something more akin to a highway in the place of what was once a residential street. This design practice has had real consequences, including creating a street that is unsafe for all users.

Northeast 15th Avenue is an example of where just one segment of a road went through the conversion, but the other pieces north and south were never converted, creating an out of place two blocks of street surrounded by homes in Lake Ridge.

In this stretch, there is a lack of accommodations for pedestrians or bicyclists, while the areas north and south are more suited for all modes. There are no crosswalks; however, 216 bicycles and pedestrians crossed Northeast 15th Avenue at Northeast 11th Street within an 11-hour period showing there is demand for a crosswalk at this location.

There are bike lanes to the north of Northeast 13th Street nearly to the north of Northeast 26th Street in Wilton Manors that again continue north nearly to Oakland Park Boulevard. The missing link between Northeast 11th Street and Northeast 13th Street will complete an important connection to the bike route east/west on Northeast 11th Street and access to businesses along Sunrise Boulevard.

This tactical urbanism project is being funded by the Broward Metropolitan Planning Organization and the City of Fort Lauderdale and will add paint, delineators and planters to the recent lane repurposing project that was completed with just lane striping by the City. These elements will help further define the spaces for each user and create a sense of place for the neighborhood. Part of the installation process is the selection of the art to be used. This was selected at a recent community meeting to be native birds as seen in the graphic below.

If you would like to be part of transforming a street to a place that you would like to use, please join us May 12 through 15 between 9 a.m. and 4 p.m. to help install these amazing features that will truly transform the corridor. Please visit the project website at <https://arc.gis/1W14L10> for more information on the project and to register for a time to volunteer to help with installation.

28 MAY 2022 • @DRIVERWALK.COM

IMAGES PROVIDED BY CITY OF FORT LAUDERDALE TRANSPORTATION DEPARTMENT

# Telling the story

# Conclusion / Lessons Learned

- Community Driven Approach
- Have a plan
- Multifaceted implementation strategy
- Be flexible
- Leverage partnerships
- Track data to tell story





MPO's  
BTactical  
Program

