

SR811/NE 4th Avenue Sunrise Boulevard to Middle River Bridge

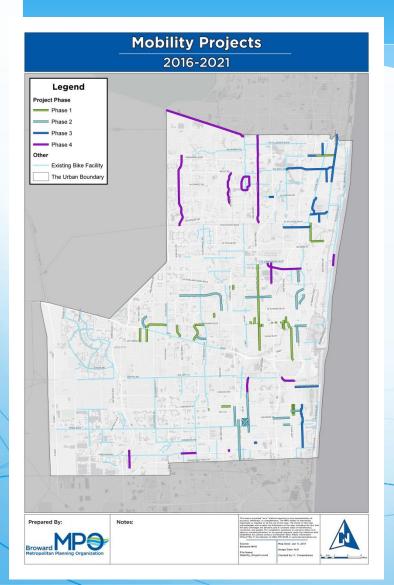
September 4, 2018



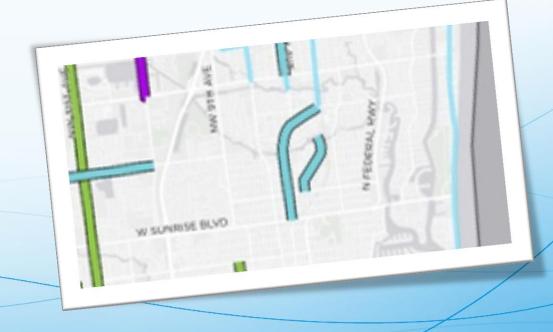
PROJECT TIMELINE

2009	BMPO Long Range Transportation Plan approved						
2010	BMPO Mobility Program Created						
2011	FDOT Project Programmed for 5 th year						
2015	Alternative Analysis/FDOT Lane Elimination						
	Process started						
2016	Engineering Design begins						
2017	FDOT Approved Lane Elimination						
2018	FDOT Design Completed/Construction Starts						

BMPO 2035 PRIORITY



Broward MPO Adopted in 2009 into 2035
Transportation Plan



FDOT JURISDICTION BAILEY RD PROSPECT RD Legend Road Jurisdiction FLORANADA RD NW 44 ST Broward Major Roads NW 39 ST Lauderdale State Road LAUDERDAL LAKES County Road AND STATE ORIDAS TEKE City Road NW 26 ST County & City Mixed County Airport County Port SUNRISE BLVD Park NW 6 ST NW 5 ST Plantation BROWARD BLVD LAS OLAS BLVD FORT LAUDERL Telrose Park SW 10 PETERS RD RIVERL AND RD HOLLYWCAM 18-0894 Exhibit 1 Page 5 of 18

FDOT LANE ELIMINATION REVIEW/APPROVAL PROCESS

THREE STAGE PROCESS

- Initial Meeting- Fatal Flaw Review
- Interim Meeting: Submit Technical Concept Report, FDOT Review
- 3. Application: FDOT submits formal application with municipal's endorsement through resolution and public outreach documentation; FDOT reviews and provides comments and/or submit for approval





STATEWIDE LANE ELIMINATION GUIDANCE





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15 FDOT LANE ELIMINATION CONSIDERATIONS

 Safety / Crash History 	• Design Variations / Exceptions					
 Short and Long Range Traffic Projections 	Access Management					
• Traffic Operations	 Roadway Functional Classification 					
 Pedestrians / Bicyclists 	 Jurisdictional Transfer 					
 Transit Service and Ridership 	Emergency Evacuation					
 Parking Supply / Activity 	• Freight Routes / Access					
• Environmental Impacts	 Consistency with Local Plans 					
	Community Support CAM 18-0894					

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TWO ALTERNATIVES presented to neighbors

Widen roadway to fit 5' bike lanes in each direction by removing large oak trees Evaluate traffic to determine if a lane repurposing is feasible to meet FDOT Lane Elimination Guidelines

3.2 TRAFFIC OPERATIONS IMPACTS

PROFILE

According to studies by FHWA, under most ADT conditions, lane elimination (of one through lane per direction) seems to have minimal effects on vehicle capacity because left-turning vehicles are moved into a common two-way left-turn lane (TWLTL). Four-lane roadways with ADT of up to 20,000 (or up to 1,750 vehicles per peak hour) have been shown to be good candidates for lane elimination. Four-lane roads with ADTs higher than 20,000 should be evaluated for lane elimination feasibility on a case-by-case basis. [2] Similarly, of the before-and-after studies documented by FHWA, little to no changes in vehicle LOS were seen for roadway segments and intersections, while achieving the desired effects of slower vehicle speed and fewer accidents. When a street is converted to two lanes, this helps to calm traffic, in part by eliminating the opportunity for passing and in part because the slower drivers set the speed.

The Project for Public Spaces [1] cites the before-and-after study results summarized in **Table 2**.



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FORT LAUDERDALE CONTEXT

- 575 CRASHES (2013 to 2016)
 - 316 Passenger Cars
 - 26 Pedestrians
 - 22 Bicyclists
 - 8 Motorcyclists
 - 193 Injuries
 - 16 Incapacitating Injury
 - 2 Fatals (Both Pedestrians)
- 45,000 boardings on BCT annually
- 2 Schools (FLHS & Northside Elementary)
- 2 PARKS (Warfield & MRT Park)
- 1 in 4 residents under age 18
- Large number of households without a car
- Average household income is \$45,000/year

VEHICULAR ANALYSIS

- 2015 Daily Counts
- Additional counts during school year
- Seasonal Factor (FDOT)
- Annual Growth Rate 20 years
- All intersections analyzed for future year

BALANCING THE MODES

	2035 PEAK HOUR- 2-WAY VEHICULAR VOLUME *	VEHICULAR LOS				PEDESTRIAN		1000 000	
LOCATION		NO BUILD 4-LANE ON E	2-LANE**	TRANSIT LOS		LOS		BIKE LOS	
LOCATION				Sull Build	BUILD	BUILD	BUILD	ON GIINS	BUILD
NE 4th AVE: N of Sunrise BLVD	1,352	D	D	С	В	С	В	Е	В
NE 4th AVE: N of NE 16th ST	1,629	D	Е	С	В	С	В	Е	В
WILTON DR: N of NE 6th AVE	1,396	D	D	С	В	В	Α	D	Α
WILTON DR: S of NE 21# CT	1,390	D	D	С	С	В	Α	D	Α

^{* 5:00}PM to 6:00PM 2-Way Volume adjusted for season

In 2035 evening rush hour conditions, it will take approximately 10 minutes to drive from Sunrise to 5-Points with project verses 8 minutes without project.

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^{**} TABLE 4 of the 2012 FDOT GLOS HANDBOOK TABLES. Note: 2-lane alternative receives 5% increase in capacity due to the median.

FORT LAUDERDALE PUBLIC OUTREACH

AUG 2015: South Middle River Civic Association

SEPT 2015: Middle River Terrace Neighborhood Association

OCT 2015: Central City CRA Advisory Board

FEB 2016: South Middle River Civic Association

MARCH 2016: Middle River Terrace Neighborhood Association

APRIL 2016: Middle River Terrace Neighborhood Association

APRIL 2016: City Commission Meeting

JULY 2016: South Middle River Terrace Civic Association

SEPT 2016: JOINT PROJECT PUBLIC MEETING at FLHS

OCT 2016: City Commission Meeting

TWO CITIES JOINT PUBLIC MEETING-September 13, 2016

- Over 150 attendees
- Presentations by BMPO, FDOT, Wilton Manors and FTL staff
- Comment Cards collected including 70 comments

MAJOR CONCERNS INCLUDE:

- School traffic in afternoon
- No lanes removed south of NE 11th Street
- 3. Improve Signalization
- 4. Traffic Calming- NE 3rd Ave



October 18, 2016- City Commission: REQUEST TO EVALUATE: 11TH TO 13TH ST

Sunrise Boulevard to NE 11th Street: 97' ROW



REQUEST TO EVALUATE: 11TH TO 13TH ST

NE 11th Street to NE 13th Street: 80' ROW

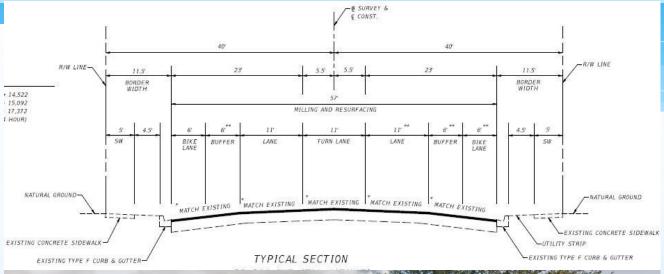




Exhibit 1

FDOT LANE ELIMINATION APPROVAL



RACHEL D. CONE INTERIM SECRETARY

RICK SCOTT GOVERNOR

February 21, 2017

Mr. Lee R. Feldman, City Manager City of Fort Lauderdale 100 North Andrews Avenue Fort Lauderdale, FL 33301

Ms. Leigh Ann Henderson, City Manager City of Wilton Manors 2020 Wilton Drive Wilton Manors, FL 33305

Dear Mr. Feldman and Ms. Henderson:

Lane Elimination Request – SR 811/NE 4th Avenue/Wilton Drive (NE 11th Street to NE 26th Street)

The Florida Department of Transportation (FDOT) has conducted a multi-discipline review of the proposal from the Cities of Fort Lauderdale and Wilton Manors to reduce the number of through lanes on SR 811 / NE 4th Avenue / Wilton Drive between NE 11th Street and NW 26th Street. The proposal is to transform the subject section of state road from a four-lane to a two-lane roadway proposal is to transform the subject section of state road from a roundine to a two-later to with buffered bicycle lanes in both directions to enhance multimodal mobility and safety.

Based on the information provided by the Cities and our review of the complete application package, the Department determined that the lane elimination proposal is acceptable and package, the Department determined that the lane elimination proposal is acceptable approves the lane elimination proposal. The Department looks forward to continued coordination regarding the SR 811/Dixie Highway/NE 4th Avenue from SR 838/Sunrise Boulevard to NE 26th Street design project (FM 431657-1).

Please feel free to contact Ms. Lisa Dykstra, Transportation Planning Manager at (954) 777-4360, or Mr. Chon Wong, District Lane Elimination Coordinator at (954) 777-4659, if you need more information.

District Four Secretary

"... the Department (FDOT) determined that the lane elimination proposal is acceptable and approves the lane elimination proposal."

PROJECT CONSTRUCTION ENHANCEMENTS

- New pavement, Sunrise to Middle River Bridge
- New NB right-turn lane at NE 13th Street
- Extend NB left-turn lane at NE 13th Street
- New NB right-turn lane at NE 16th Street
- New dedicated drop-off lane for FLHS
- New dedicated bus lane for FLHS
- New LED roadway lighting
- Upgrade crosswalk signals
- Restripe street, 11th Street to
 Bridge with buffered bike lanes



CURRENT STATUS/NEXT STEPS

- 1. Contractor selected June 18, 2018
- 2. Construction Start August 13, 2018
- 3. Estimated Completion Date Fall 2019

