

FDOT Lane Elimination Process

BROWARD MPO – COMPLETE STREETS TECHNICAL
ADVISORY COMMITTEE (TAC)

CHON WONG
FDOT D4 PLANNING & ENVIRONMENTAL MANAGEMENT

APRIL 13, 2015



What is Lane Elimination?



Presentation Outline

- ▶ Lane Elimination Overview
- ▶ History
- ▶ Process
- ▶ Projects
- ▶ Coordination with MPOs

Lane Elimination Projects ...

- ▶ Support local government & community visions, specifically:
 - ▶ Introduce bicycle/pedestrian features
 - ▶ Reduce pedestrian crossing distances
 - ▶ May reduce vehicle speeds
 - ▶ Introduce on-street parking
 - ▶ Enhance aesthetics

History

Before 2009

No formal process in place

Handled by different offices in different project phases

Inconsistent review approaches

2009

D4 Formal process developed

Process coordinated by PL&EM

Multi-disciplined review & coordination

2013

D4 Process Refined

Milestones & deliverables identified

Expectations defined

D4 & D7 processes

2014

FDOT developed "Statewide Lane Elimination Guideline"



FDOT Lane Elimination Process

FDOT Lane Elimination Process

▶ **Step 1: Initial Meeting**

- ▶ Applicant provides preliminary project information
- ▶ District provides information about review process
- ▶ District identifies fatal flaws & key issues to be considered in detailed analysis
- ▶ Multiple FDOT offices involved
- ▶ Provides Lane Reduction Request Form
- ▶ Establish evaluation methodology based on initial meeting
- ▶ Central Office is notified of the request



FDOT Lane Elimination Process

▶ **Step 2: Interim Meeting & Concept Report**

- ▶ Applicant provides detailed concept report & evaluation
- ▶ Focus on traffic analyses & long term needs
- ▶ Multiple FDOT offices involved
- ▶ District provides formal review comments
- ▶ Central Office is notified
- ▶ Applicant provides completed Lane Reduction Request Form

FDOT Lane Elimination Process

▶ **Step 3: Final Review**

- ▶ Applicant obtains approval resolution from city or county
- ▶ Applicant discusses public involvement activities
- ▶ Applicant provides final design, funding, and implementation plans (as applicable)
- ▶ Applicant submits formal application for lane elimination
- ▶ District conducts multi-disciplined review and makes a recommendation for approval (or denial) to Central Office



Lane Elimination Considerations

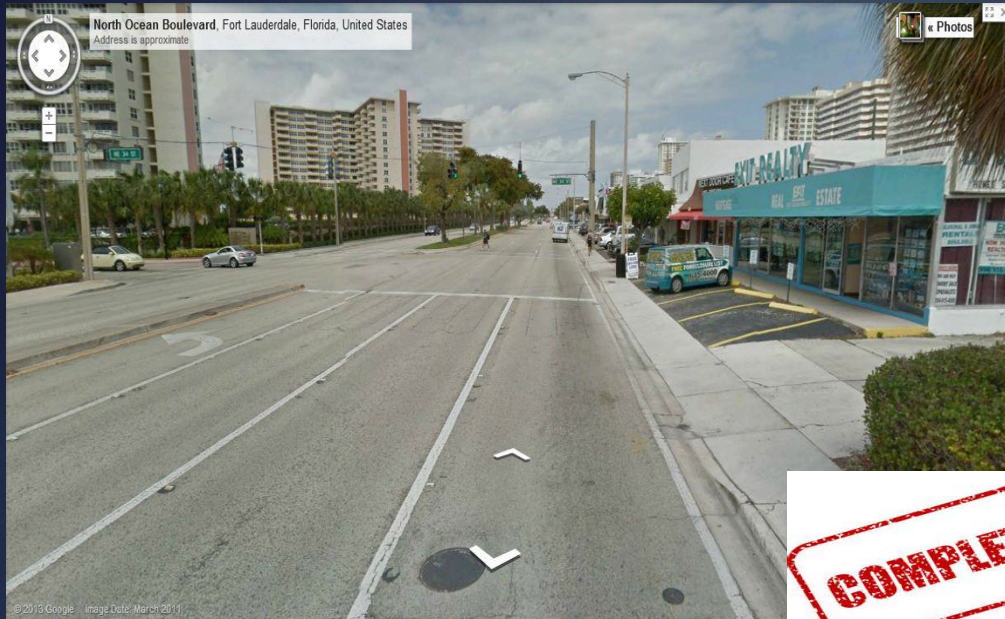
- ▶ Safety / Crash History
- ▶ Long Range Needs
- ▶ Traffic Operations
- ▶ Pedestrians / Bicyclists
- ▶ Transit Services / Ridership
- ▶ Parking Supply / Activity
- ▶ Environmental Impacts
- ▶ Design Variations / Exceptions
- ▶ Access Management
- ▶ Functional Classification
- ▶ Jurisdictional Transfers
- ▶ Emergency Evacuation
- ▶ Freight Routes / Access
- ▶ Consistency with Local Plans
- ▶ Costs & Funding
- ▶ Community Support



Lane Elimination Applications in FDOT District 4

SR A1A (Fort Lauderdale)

Oakland Park Blvd to Flamingo Ave



BEFORE

COMPLETED



AFTER

SR A1A (Fort Lauderdale)

Sunrise Blvd to NE 18th St

Before Nov 2012



SR A1A (Fort Lauderdale)

Hurricane Sandy Aftermath



SR A1A (Fort Lauderdale)

Hurricane Sandy Aftermath



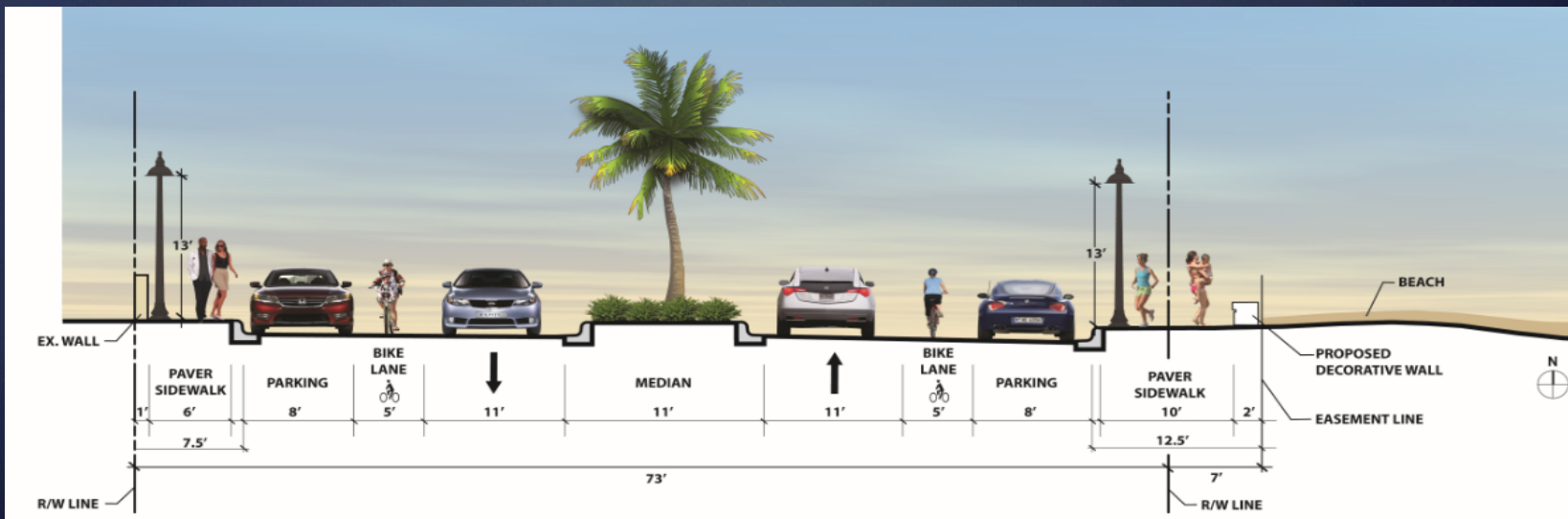
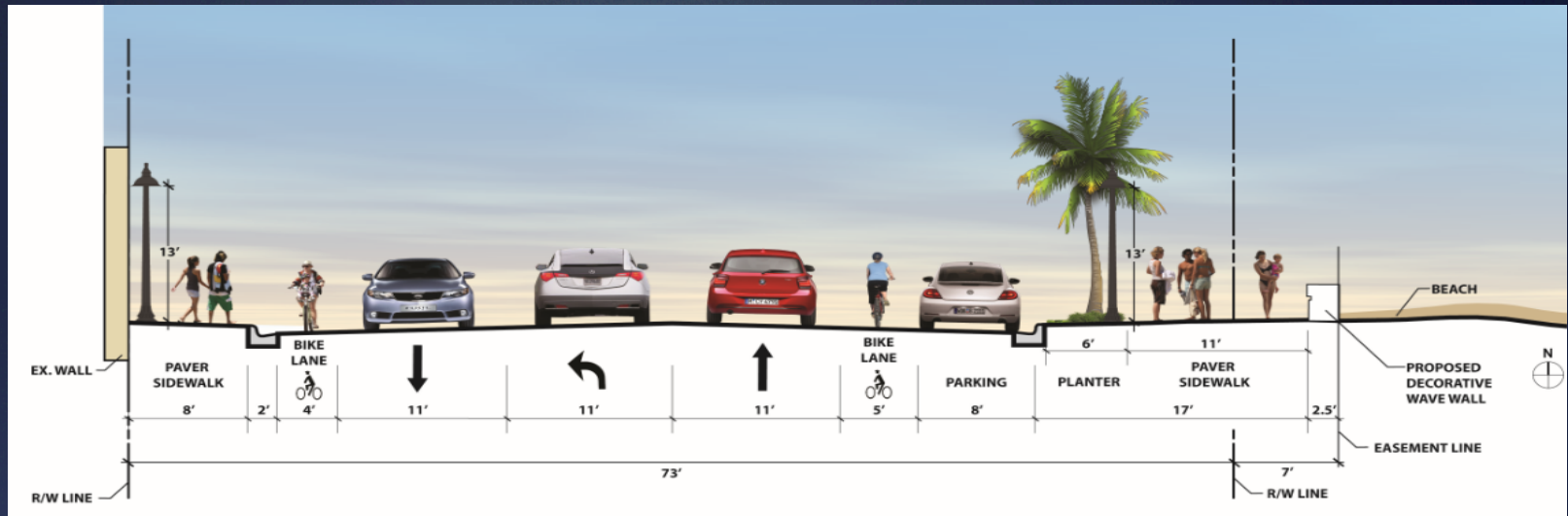
SR A1A (Fort Lauderdale)

Emergency Reconstruction Project



SR A1A (Fort Lauderdale)

Sunrise Blvd to NE 18th St - Proposed typical sections



Powerline Road (Ft Lau & Wilton Manor)

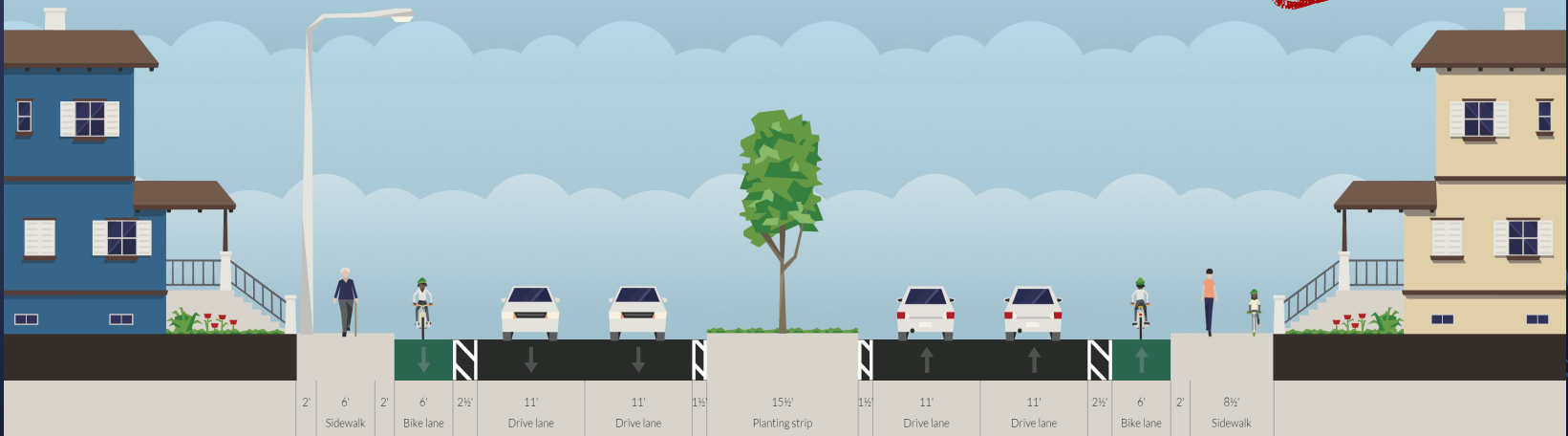
Sunrise Blvd to NW 29th St - 6L to 4L

Powerline Road (Existing)

SR-845
100' ROW



Powerline Road - Proposed Conditions

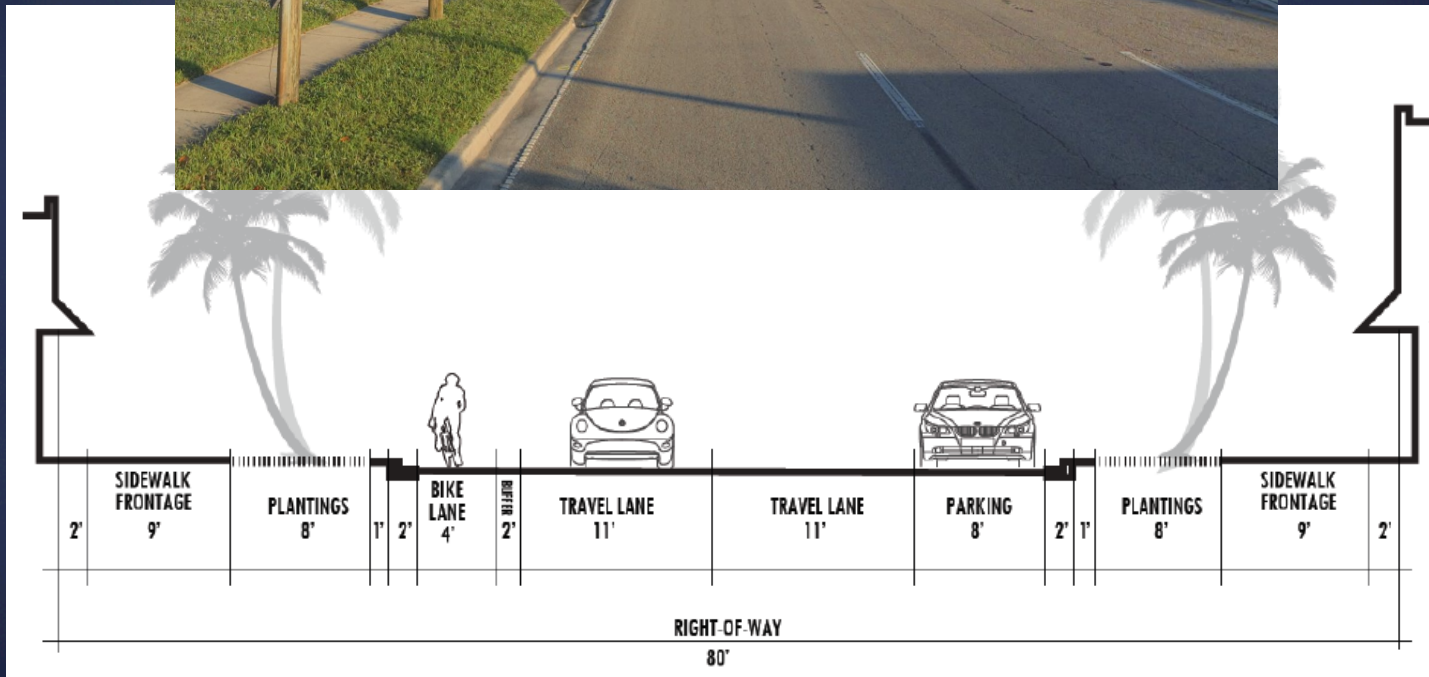


Dixie Highway (Pompano Beach)

McNab Rd to SW 2nd St - One-way pair: 3L to 2L



APPROVED



Hillsboro Boulevard (Deerfield Beach)

Dixie Hwy to US 1 - 6L to 4L



APPROVED

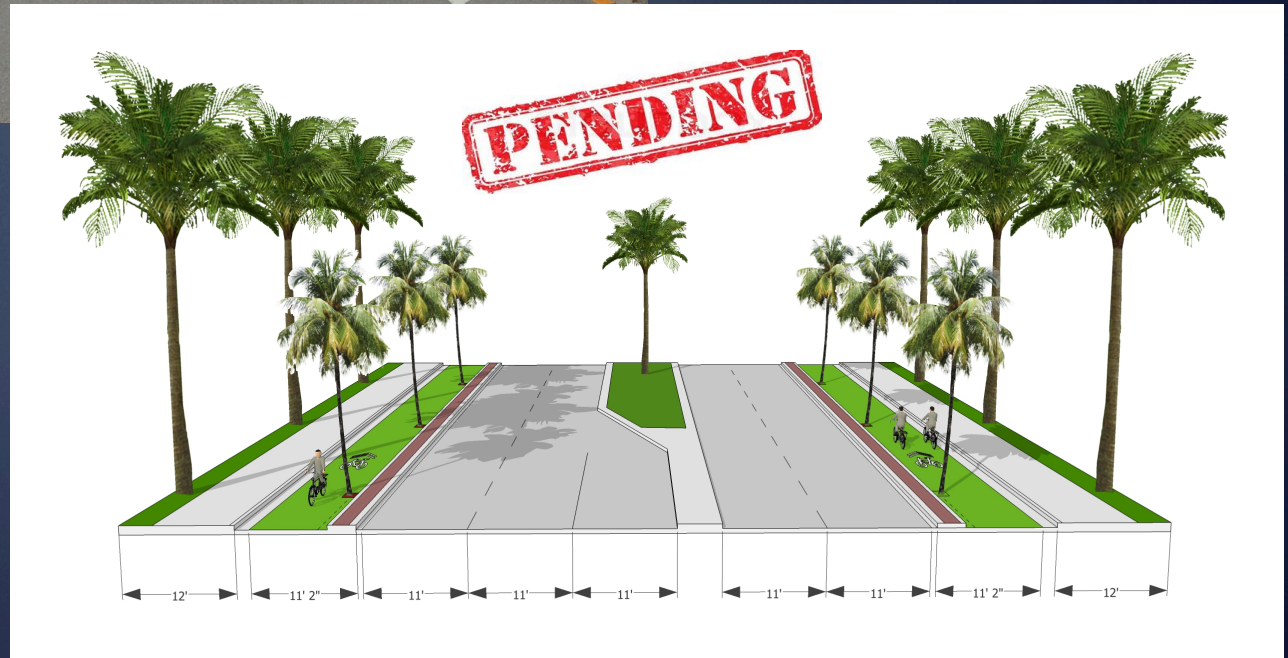


US 1 (Tequesta & Jupiter)

Beach Rd to Martin/Palm Beach CL - 6L to 4L



DRAFT concept



SR A1A (Hollywood)

Hollywood Blvd to Sheridan St - various cross sections



- ▶ Items to consider:
 - Capacity/Future Development
 - Safety
 - Traffic Operations/Circulation
 - Business Accesses
 - Bicycle/Pedestrian
 - Traffic Management Plan

Dania Beach Boulevard (Dania Beach)

US 1 to N Ocean Dr/SR A1A - 6L to 4L



DRAFT concept



How can the MPO utilize the process?

- ▶ As technical document with step-by-step guide
- ▶ Understand schedule and timeline
- ▶ Use for non-State roadways!
- ▶ Provide technical support to City/Town
- ▶ Identify potential segments of roadway as candidates

FDOT District 4 On-going Efforts

- ▶ Districtwide Lane Elimination Assessment
 - ▶ Produce a map showing lane elimination projects (existing and proposed) in District 4
 - ▶ Define criteria of allowing lane elimination
 - ▶ Identify roadways in District that lane elimination concept may be feasible

Resources

▶ FDOT D4 Lane Elimination Review and Approval Process – July 2014

FDOT DISTRICT FOUR LANE ELIMINATION REVIEW AND APPROVAL PROCESS (DRAFT)

Local governments (including cities and counties), agencies such as metropolitan planning organizations (MPOs) and transportation planning organizations (TPOs), and developers typically request the elimination of through lanes on State roads so that the recovered right-of-way can be converted to bicycle lanes, wider sidewalks, landscaping, on-street parking, or other purposes in order to promote use of non-automobile modes, contribute to more livable environments (e.g., by reducing pedestrian crossing distances and traffic speeds), and/or contribute to economic development and vitality. The following review and approval process was developed to assure consistency in FDOT District Four's handling of these requests.

The FDOT District Four Lane Elimination Review and Approval Process is a three-stage process:

ELEMENTS REQUIRED FOR LANE ELIMINATION CONCEPT REPORT

Project:

Date:

Element	Address in Concept Report?
1. Conceptual design plans (including proposed typical sections) that meet FDOT design standards for all transportation modes	<input type="checkbox"/>
2. Need for any design variations or exceptions	<input type="checkbox"/>
3. Near- and long-term traffic forecasts with and without the proposed project (with changes in travel patterns clearly shown)	<input type="checkbox"/>
4. Near- and long-term level of service (LOS) and queuing analyses for intersections and segments in the impact area	<input type="checkbox"/>
5. Mitigation to address any significant and adverse LOS impacts on State roads and the regional transportation system resulting from the lane elimination	<input type="checkbox"/>
6. Crash analysis	
Crash data and summary	<input type="checkbox"/>
Years of crash data for pedestrian/bicycle crashes: _____	
Years of crash data for all other types of crashes: _____	
Identification of high-crash locations (by crash type) and locations on FDOT's 5% lists (i.e., the lists of the 5% of segments and intersections with the highest number of crashes)	<input type="checkbox"/>

Lane Elimination Review and Approval Process Coordinator. The process involves the Planning & Environmental Review, Permitting, and Legal



Resources

- ▶ FDOT D4 Lane Elimination Review and Approval Process – July 2014
- ▶ Statewide Lane Elimination Guidance – December 2014



STATEWIDE LANE ELIMINATION GUIDANCE



FLORIDA DEPARTMENT
OF TRANSPORTATION
TRANSPORTATION
STATISTICS OFFICE

DECEMBER 2014



Resources

- ▶ FDOT D4 Lane Elimination Review and Approval Process – July 2014
- ▶ Statewide Lane Elimination Guidance – December 2014
- ▶ FHWA Road Diet Information Guide

Road Diet Informational Guide



FHWA Safety Program



Questions & Answers