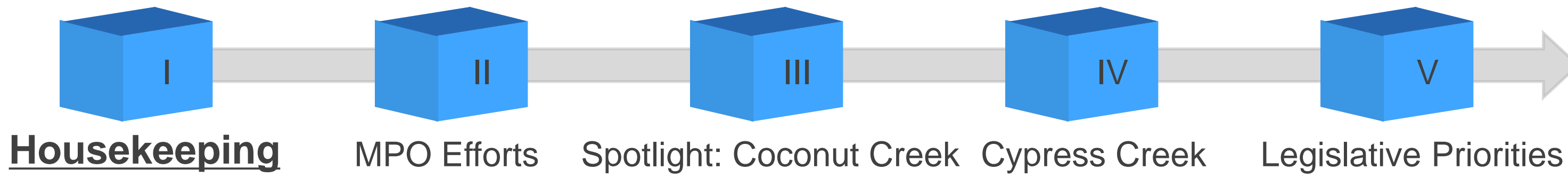




Broward Complete Streets

Technical Advisory Committee (TAC) Meeting

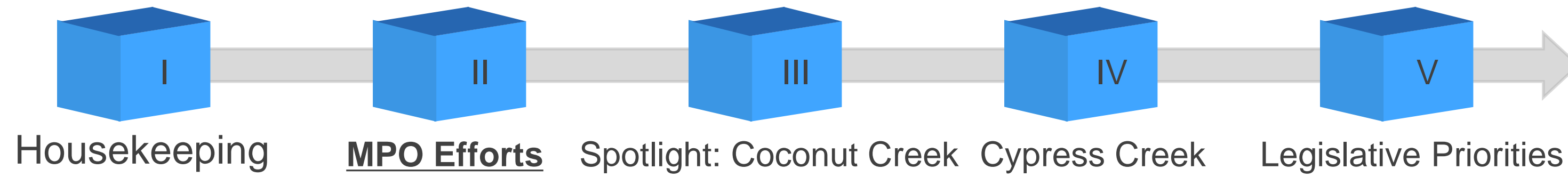
Monday November 9, 2015



Introduction



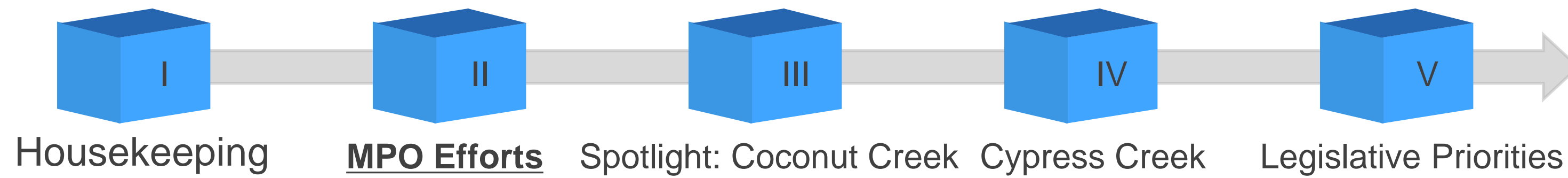
- 1 Please make sure you have an agenda.
 - 2 The sign-in sheet is being passed around. Is your information correct? Would you like to become a member?
 - 3 This meeting is being recorded.
 - 4 Please introduce yourself and the organization(s) you represent.
-



MPO Current Efforts

- Bicycle and Pedestrian Safety Action Plan Update
 - Project kick-off January 2016
 - Contact us if you are interested in serving on the Stakeholder Advisory Group
- Complete Streets Initiative Update





○ Complete Streets and Other Localized Initiatives

- 2016 Funding Cycle Announced on November 2nd
- Applications due January 15th, 2016 at 5 p.m.



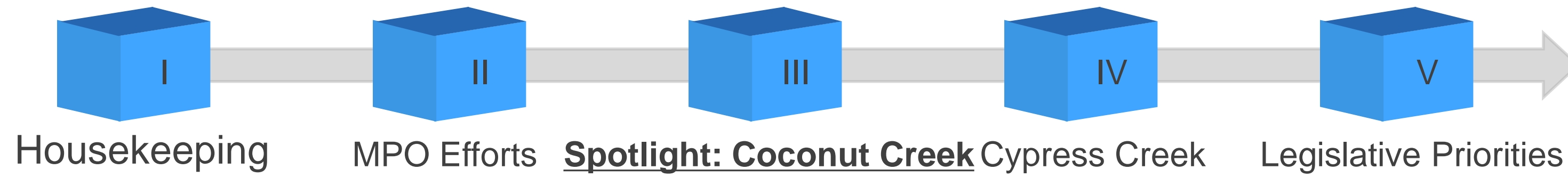
○ Safe Streets Summit

- January 29th, 2016
- Please submit your award nominations
 - <https://www.surveymonkey.com/r/s3awards>



○ Let's Go Biking – Pembroke Pines





Partner Spotlight City of Coconut Creek Complete Streets Master Plan

Presented by:
Sheila Rose, Department of Sustainable
Development Director





Coconut Creek

Complete Streets Master Plan



COMPLETE STREETS

MASTER PLAN

TYLIN

INTERNATIONAL



GOAL: Create a Complete Street

BENEFITS OF COMPLETE STREETS



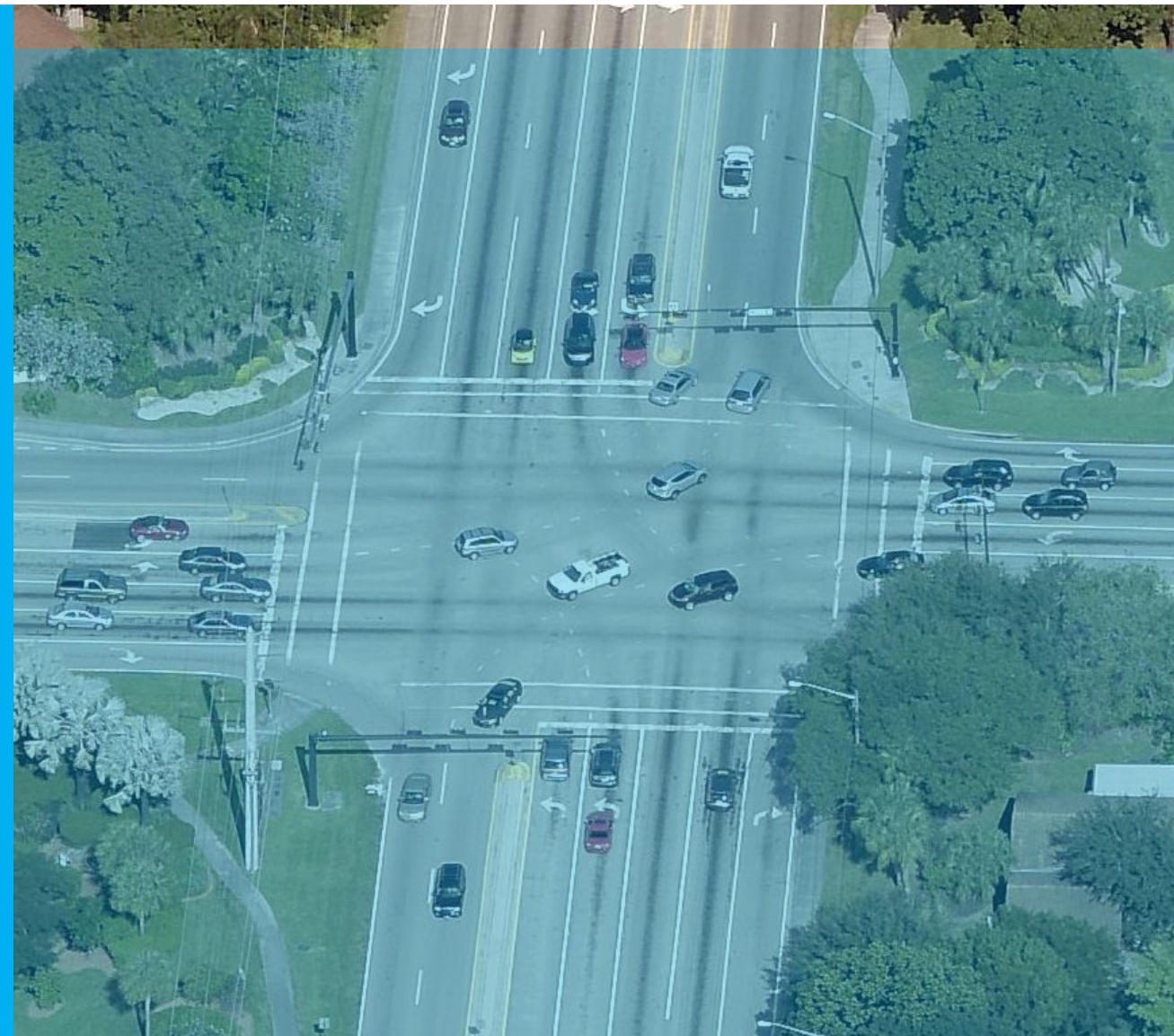
CREATE A SPACE FOR ALL USERS:

- Bicycles
Decrease car trips (fuel consumption)
- Pedestrians
Increase safety
- Transit riders
Increase property values
- Drivers

Complete Streets Master Plan

11 ROADWAYS / AREAS

- Atlantic Blvd.
- Copans Road
- Johnson Road
- NW 40th Street
- Sample Road
- Banks Road



- Cullum Road
- Lyons Road
- NW 54th Ave.
 - SR – 7
- Main Street

Key Component

LIST OF PRIORITY PROJECTS

Project Cost Breakdown - Planning Level Cost Estimate Complete Streets Plan, City of Coconut Creek

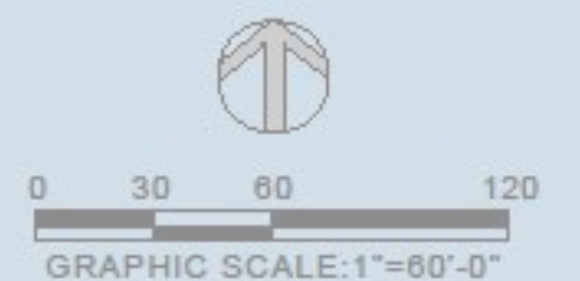
Project ID	Project Type	Roadway	From	To	Work Description	Construction Cost from LRE*	Scope Contingency (25%)	Total Construction Cost	PE Design (15%)	CEI (15%)	Total Project Cost**
3	Complete Streets	Banks Road	Sample Road	Wiles Road	Widen / New construction to 4 lanes with sidewalks, bicycle lanes/bike path.	\$5,186,000	\$1,296,000	\$6,482,000	\$972,000	\$972,000	\$8,426,000
5	Complete Streets	Atlantic Boulevard	Banks Road	Florida's Turnpike	Restripe for buffered bike lanes.	\$1,695,000	\$424,000	\$2,119,000	\$318,000	\$318,000	\$2,755,000
6	Complete Streets	Copans Road	Hammocks Boulevard	Florida's Turnpike	Widen roadway for buffered bike lanes - Construct / widen sidewalks	\$1,440,000	\$360,000	\$1,800,000	\$270,000	\$270,000	\$2,340,000
7	Complete Streets	Sample Road	SR 7	Florida's Turnpike	Restripe for buffered bike lanes.	\$3,145,000	\$786,000	\$3,931,000	\$590,000	\$590,000	\$5,111,000
8	Complete Streets	Cullum Road	SR 7	Banks Road	Four (4) lanes divided including construction of the missing link between NW 54 th Avenue (Wochna Boulevard and Banks Road) with sidewalks, bicycle lanes/bike path.	\$1,476,000	\$369,000	\$1,845,000	\$277,000	\$277,000	\$2,399,000
9	Complete Streets	Cullum Road	Banks Road	Lyons Road	Two (2) lanes undivided with sidewalks, bicycle lanes/bike path.	\$698,000	\$174,000	\$872,000	\$131,000	\$131,000	\$1,134,000
10	Complete Streets	Wiles Road	SR 7	Florida's Turnpike	Restripe for buffered bike lanes.	\$2,255,000	\$564,000	\$2,819,000	\$423,000	\$423,000	\$3,665,000
11	Complete Streets	Johnson Road	SR 7	Lyons Road	New construction four (4) lanes divided with sidewalks, raised cycle tracks (SR 7 to School Park Road) and new construction two (2) lanes undivided with sidewalks, raised cycle tracks (School Park Road to Lyons Road).	\$4,801,000	\$1,200,000	\$6,000,000	\$900,000	\$900,000	\$7,800,000
12	Complete	Hillsboro Boulevard	SR 7	Florida's Turnpike	Restripe for buffered bike lanes.	\$3,099,000	\$775,000	\$3,874,000	\$581,000	\$581,000	\$5,036,000
15	Greenway	Johnson Road	Recreation Complex	Lyons Creek Middle School	Construct 12-foot wide concrete shared use path.	\$66,000	\$17,000	\$83,000	\$12,000	\$12,000	\$107,000
20	Sidewalk	Atlantic Boulevard	Lyons Road	500 ft. East of Lyons Road	Construct / widen sidewalks.	\$3,145,000	\$786,000	\$3,931,000	\$590,000	\$590,000	\$5,111,000
21	Sidewalk	Sample Road	Florida's Turnpike	1200 ft. West of Florida's Turnpike	Construct / widen sidewalks.	\$1,695,000	\$424,000	\$2,119,000	\$318,000	\$318,000	\$2,755,000

Other Items in the Plan

- Sample & SR 7 transit improvements



CITY OF COCONUT CREEK
STATE ROAD 7 / SAMPLE ROAD
BUSWAY / BUS TRANSFER STATION CONCEPT PLAN
UNDER OVERPASS ALTERNATIVE



January 26, 2010

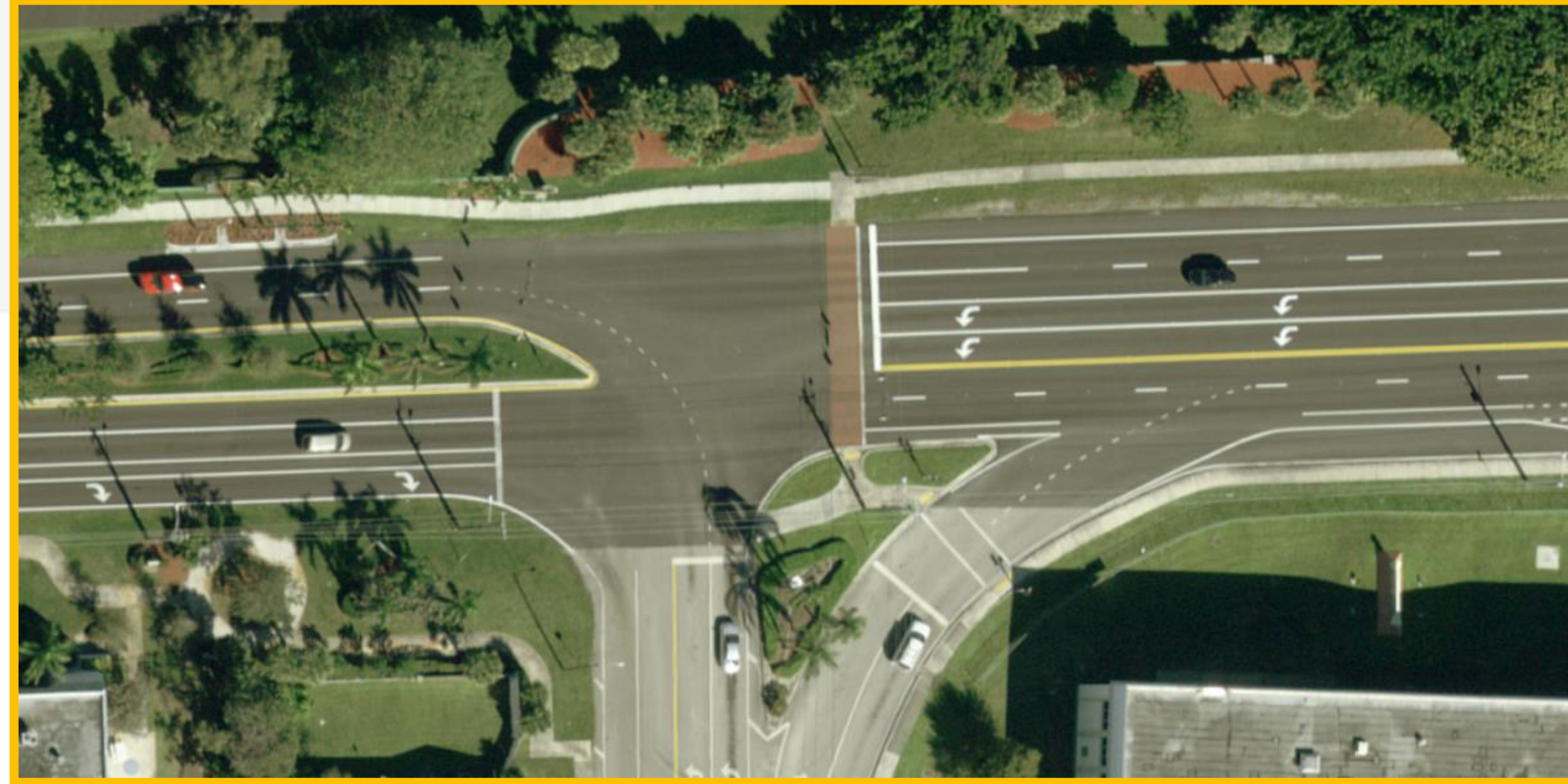
Other Items in the Plan

- Greenways



Other Items in the Plan

- Safety (signalization)



LYONS ROAD

PROJECT

Bike Lanes

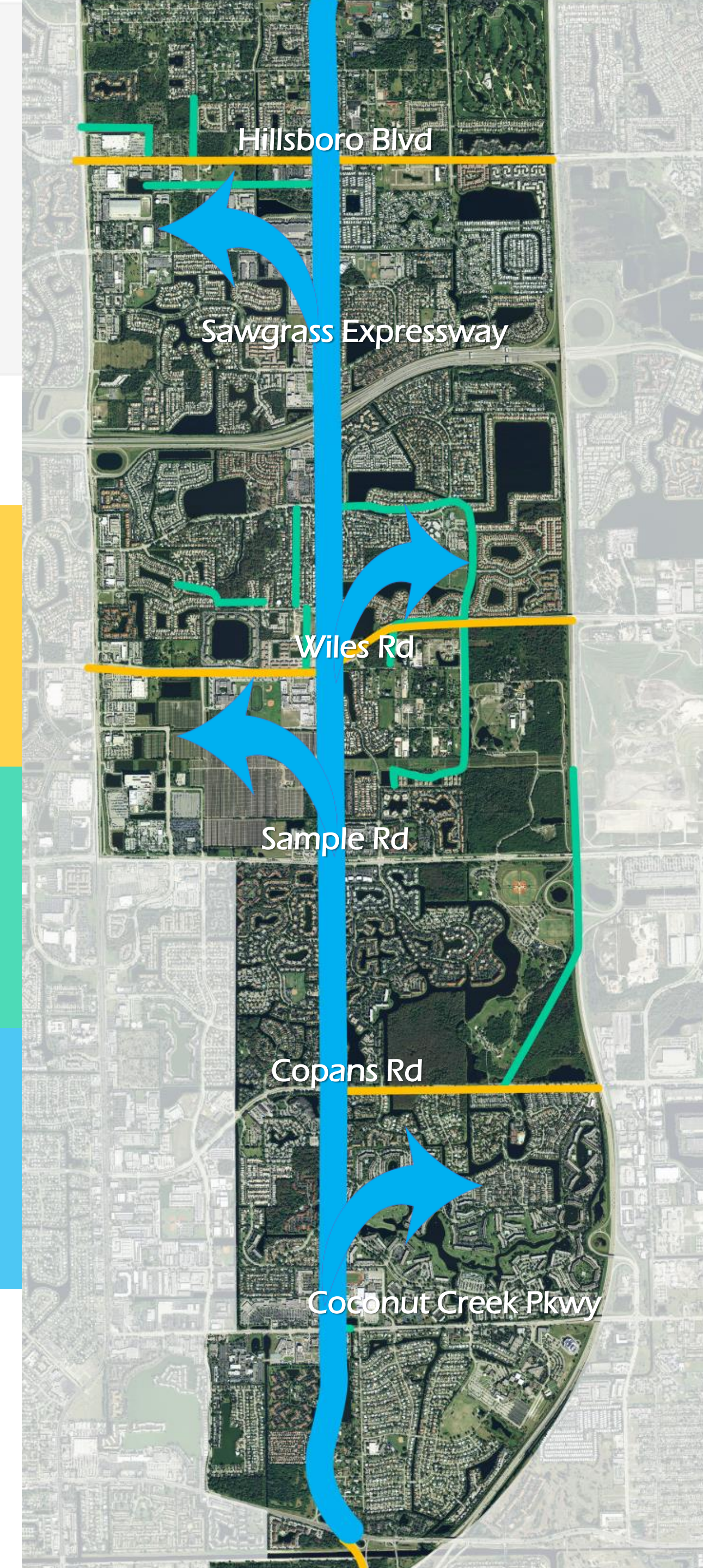
Sidewalks

Crosswalks



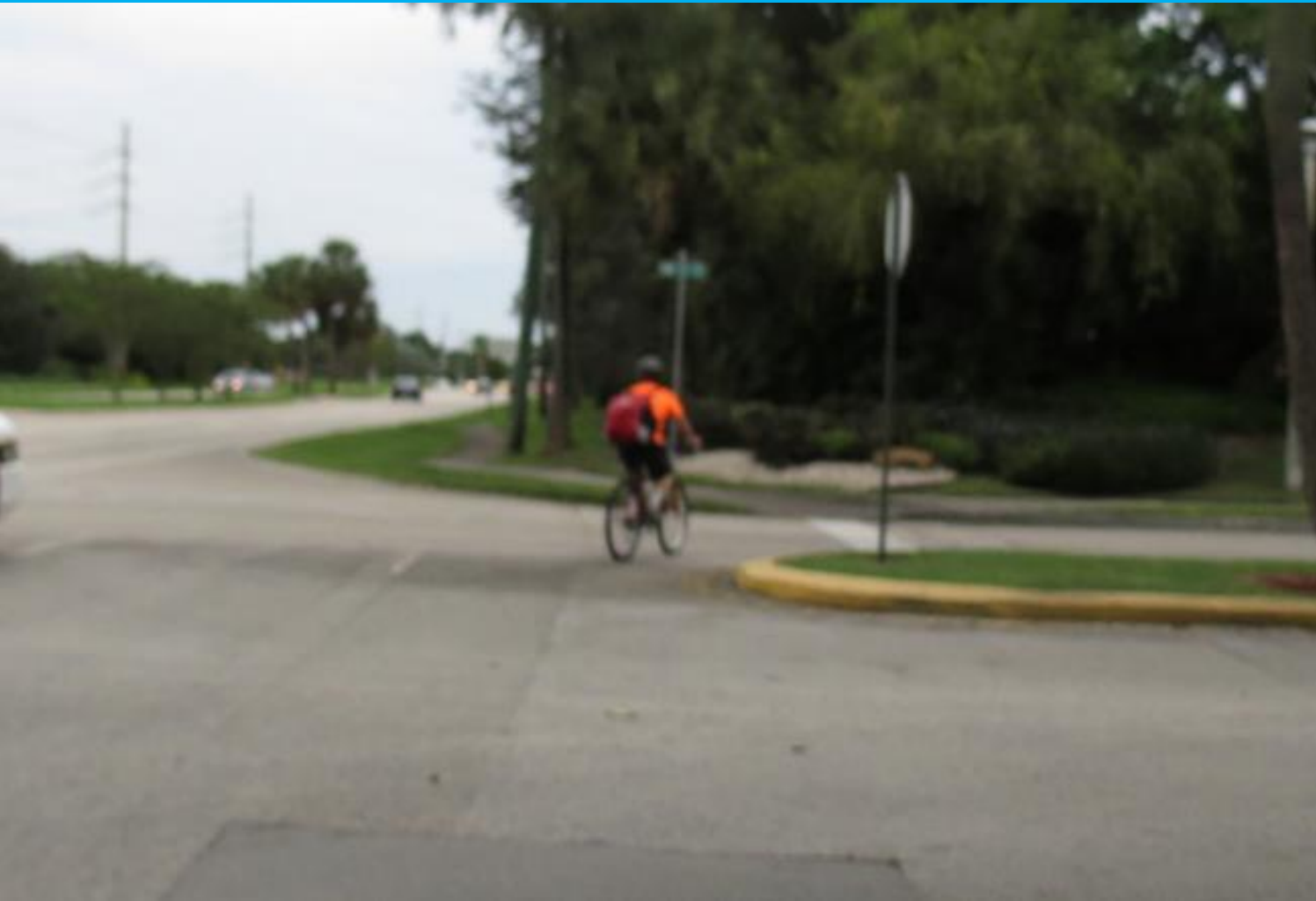
Project Limits

ATLANTIC BLVD TO NORTHERN CITY LIMITS



Walk Audit

COCONUT CREEK PKWY TO COPANS ROAD



Preliminary Finding
Lack of bike lanes along
Lyons Road



Preliminary Finding
Bicyclist riding on the
sidewalk

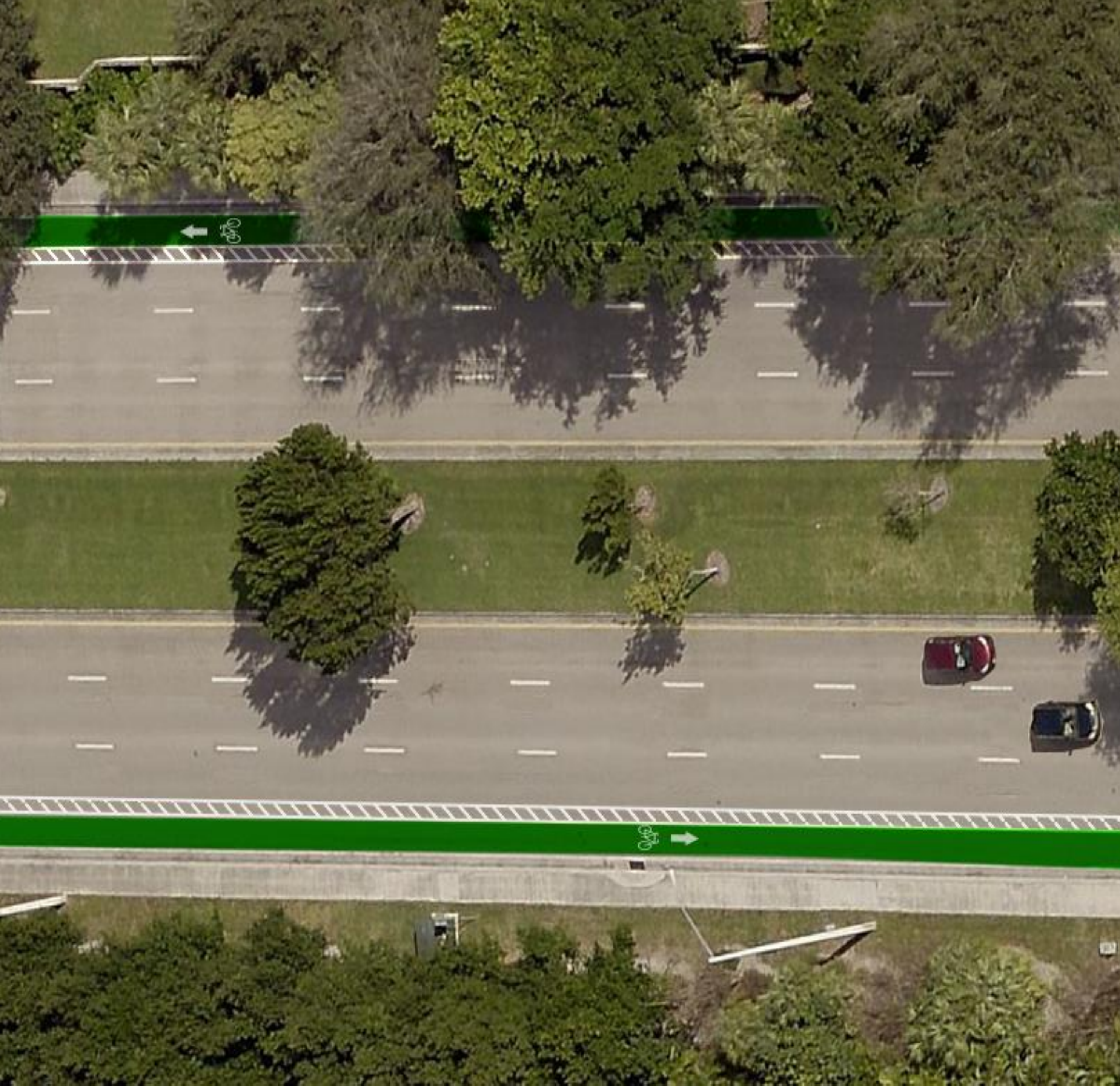


Preliminary Finding
Unsafe for pedestrians

Preliminary Design Specifications

- Existing 120' right-of-way
- Minimum 4' green* designated bike lane (5' preferred)
- 3' Buffers where adequate right-of-way exists
- Some minor road widening
 - No median impact – complementary to new medians
- Final Design will require City Commission approval

Green color requires a maintenance agreement with Broward County



Segments

ATLANTIC BLVD TO NORTHERN CITY
LIMITS

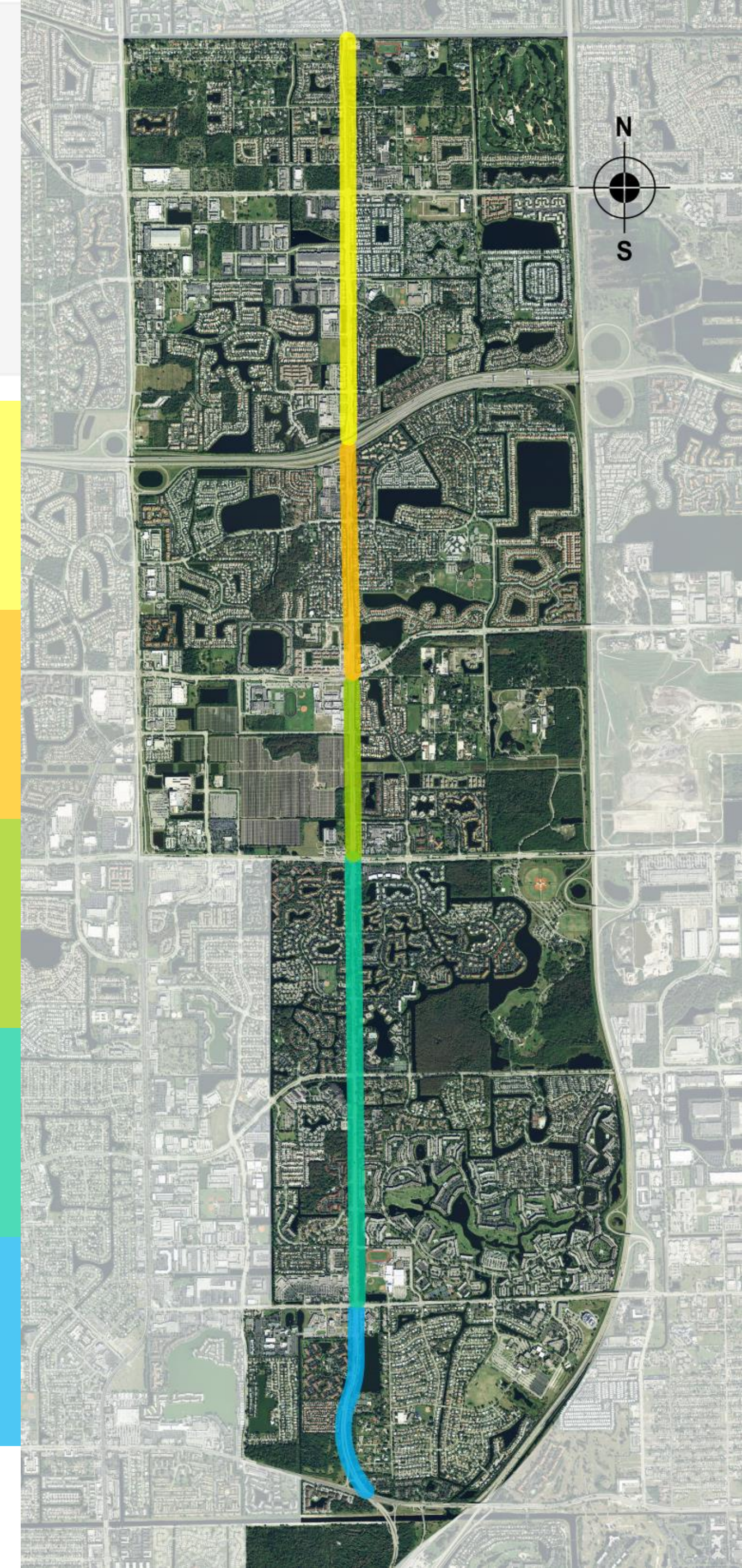
Sawgrass Expressway to Northern City Limit

Wiles Road to Sawgrass Expressway

Sample Road to Wiles Road

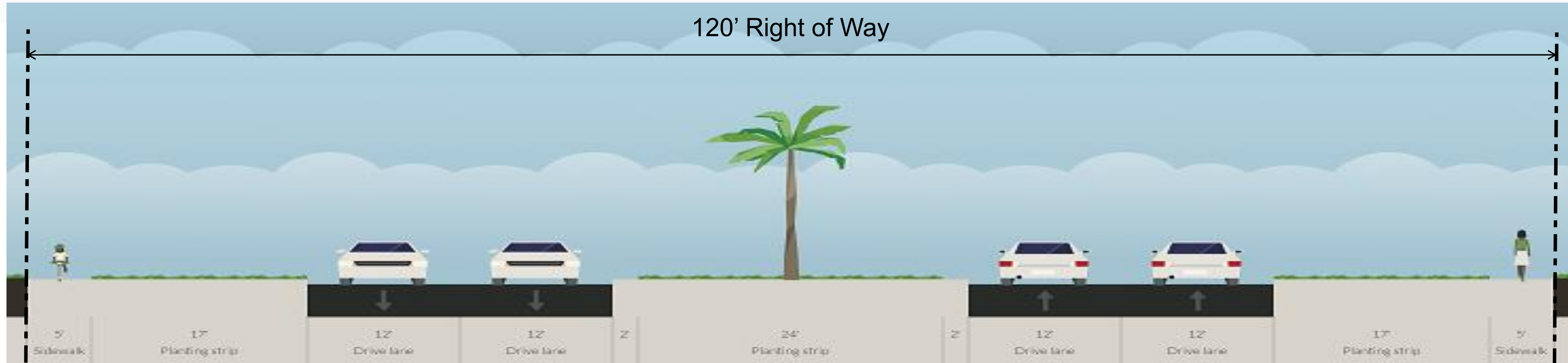
Coconut Creek Parkway to Sample Road

Atlantic Blvd to Coconut Creek Parkway



Segment 1

ATLANTIC BLVD TO COCONUT CREEK PKWY



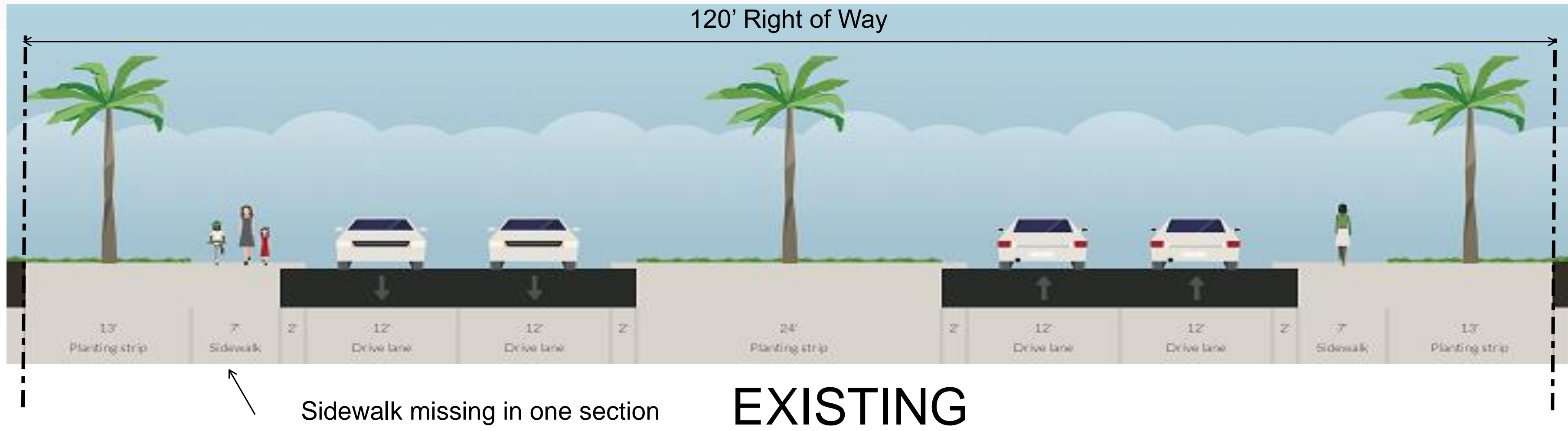
EXISTING



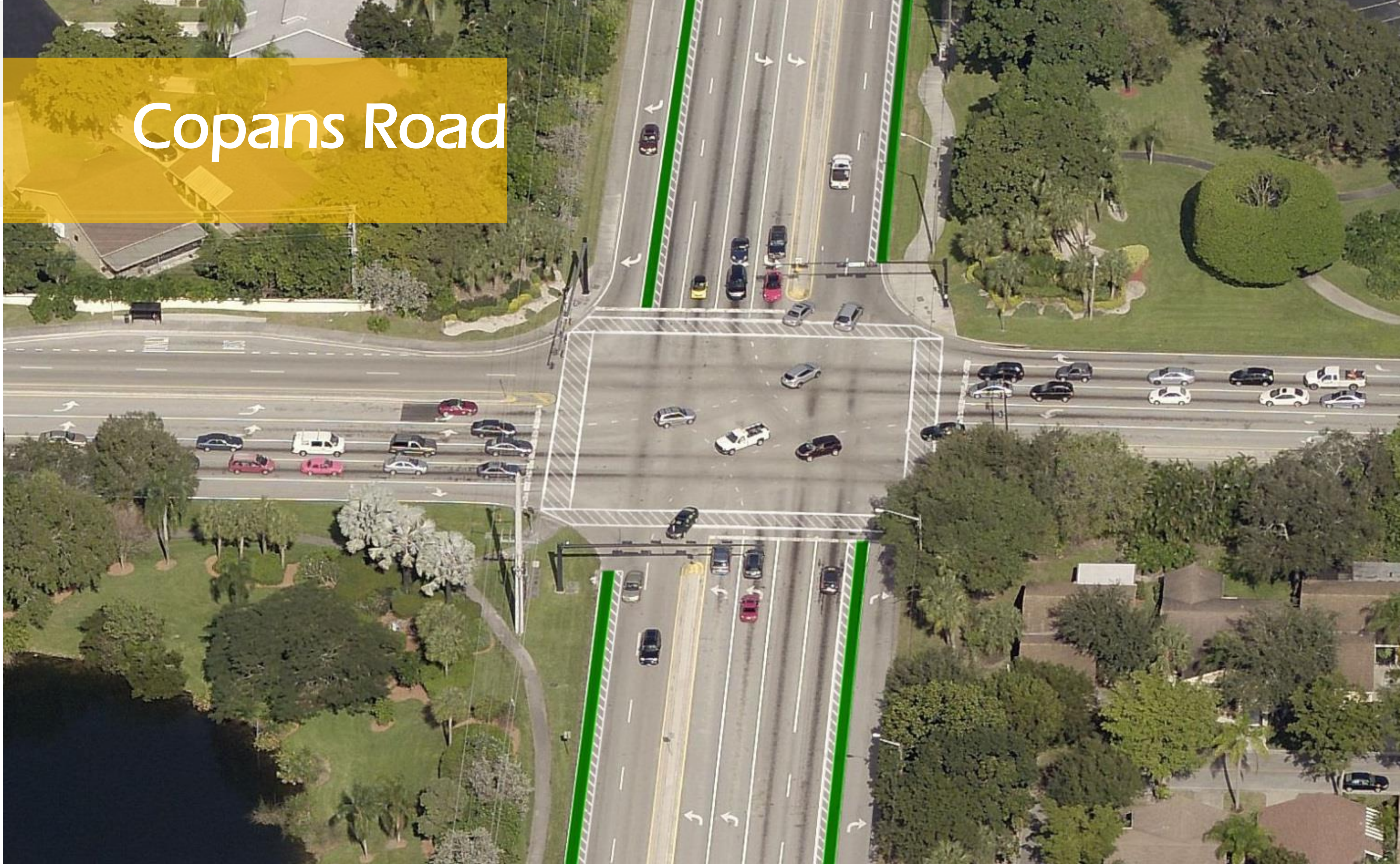
PROPOSED

Segment 2

COCONUT CREEK PKWY TO SAMPLE RD



Copans Road

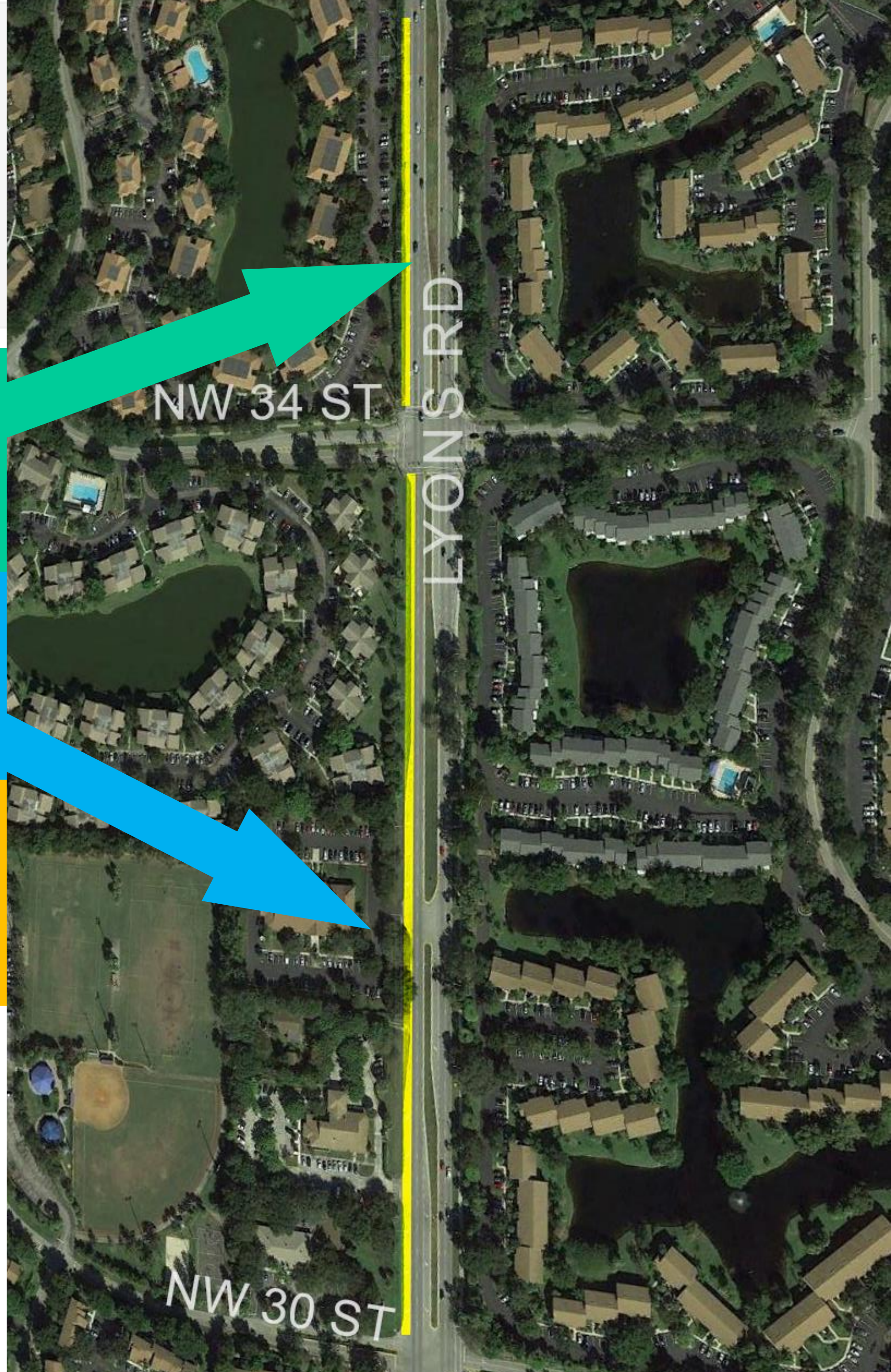
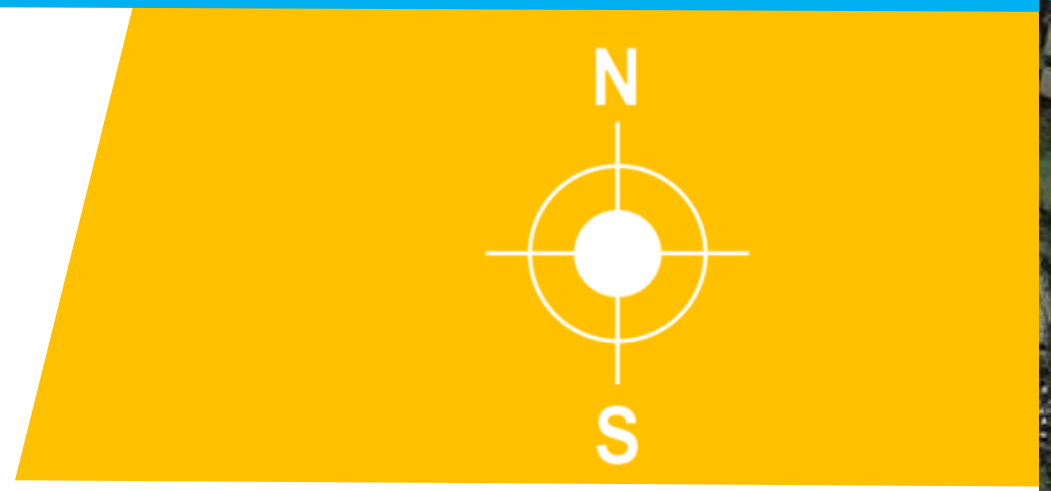


Missing Sidewalk

COPANS RD TO SAMPLE RD

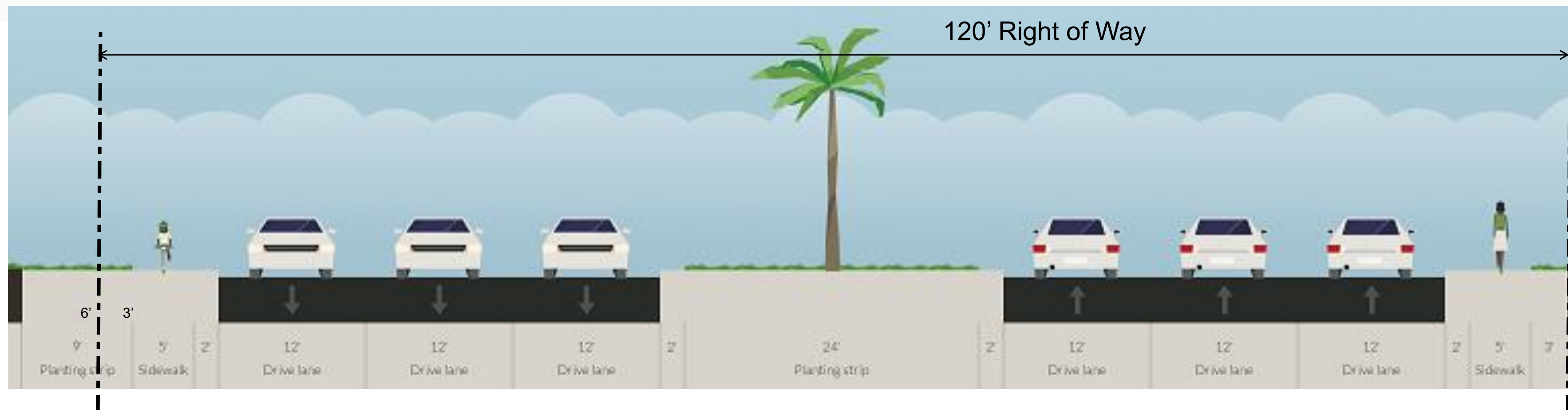
Reduce or Eliminate turn lane

Modify drainage

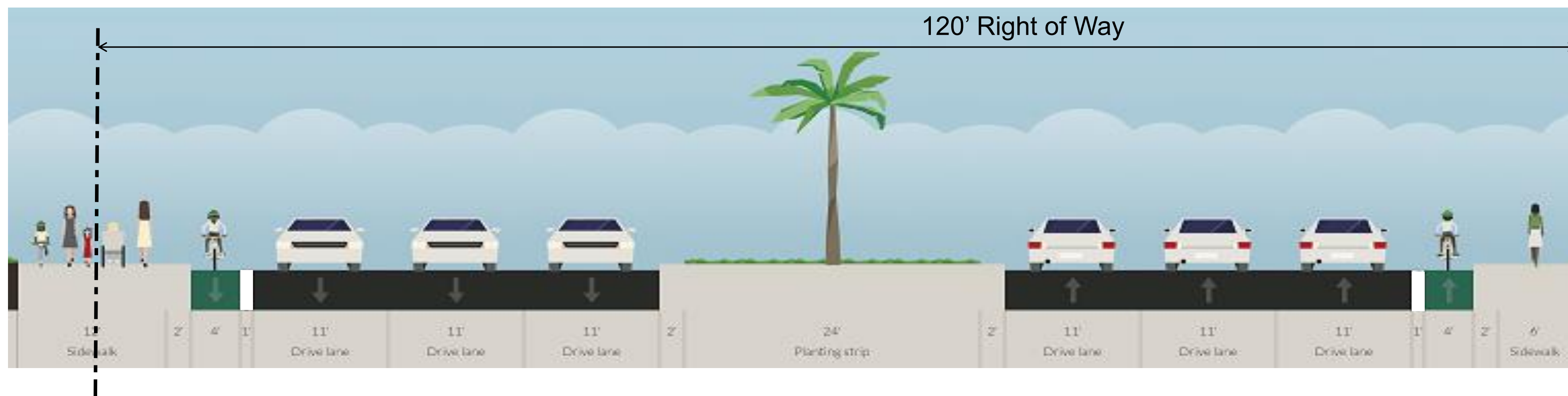


Segment 3

SAMPLE RD TO WILES RD



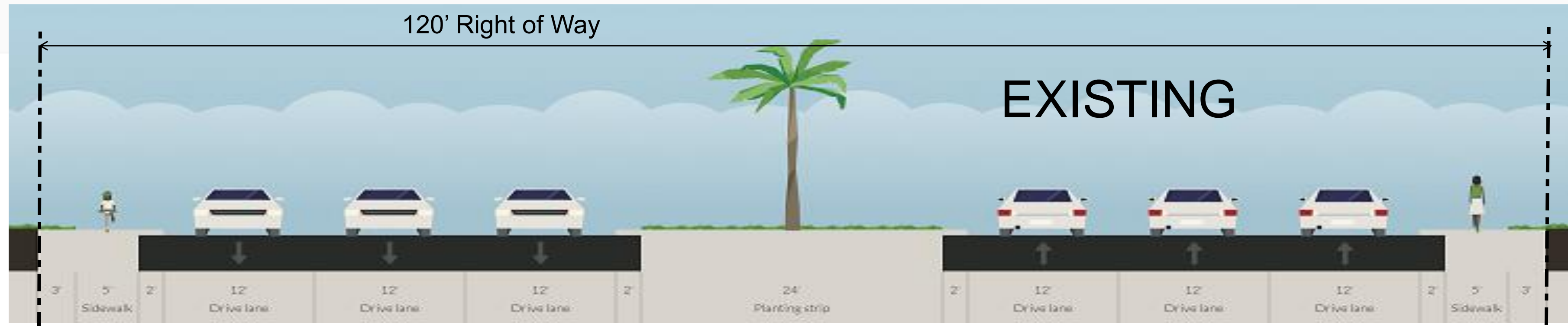
EXISTING



PROPOSED

Segment 4

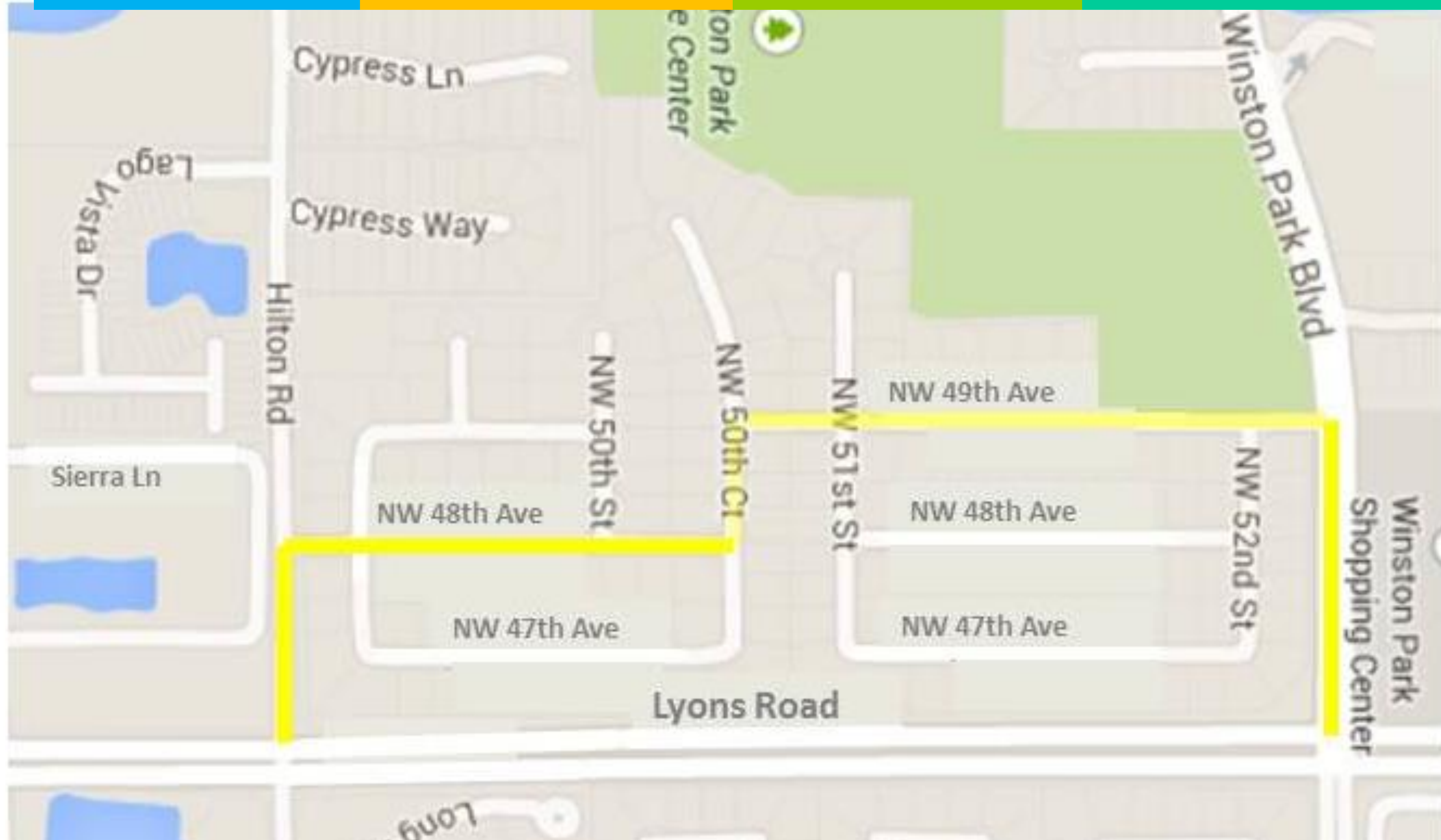
WILES RD TO SAWGRASS EXPWY



3' undesignated bike lane (southbound) Winston Park residential area

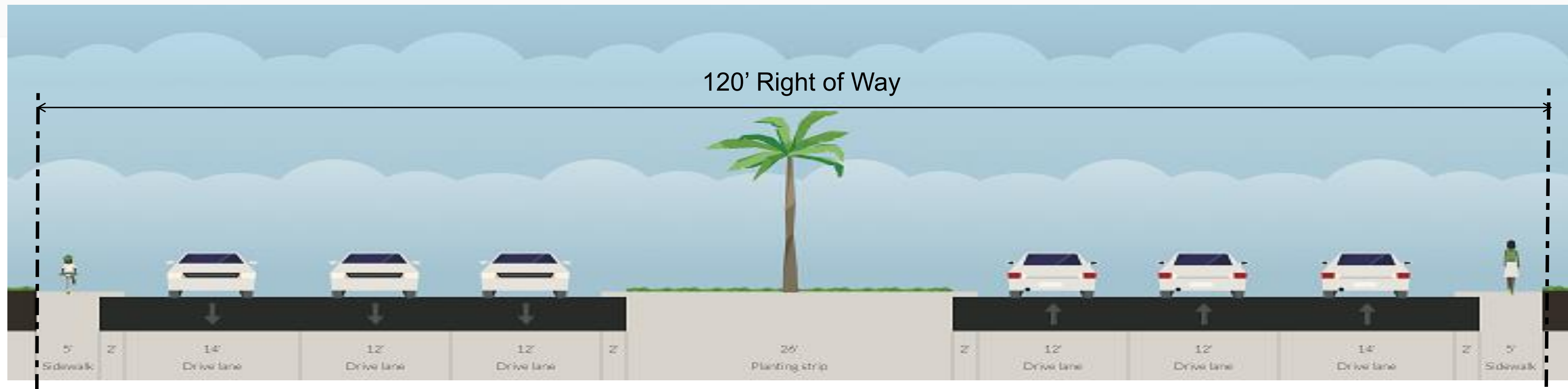
Winston Park By-Pass

SOUTHBOUND

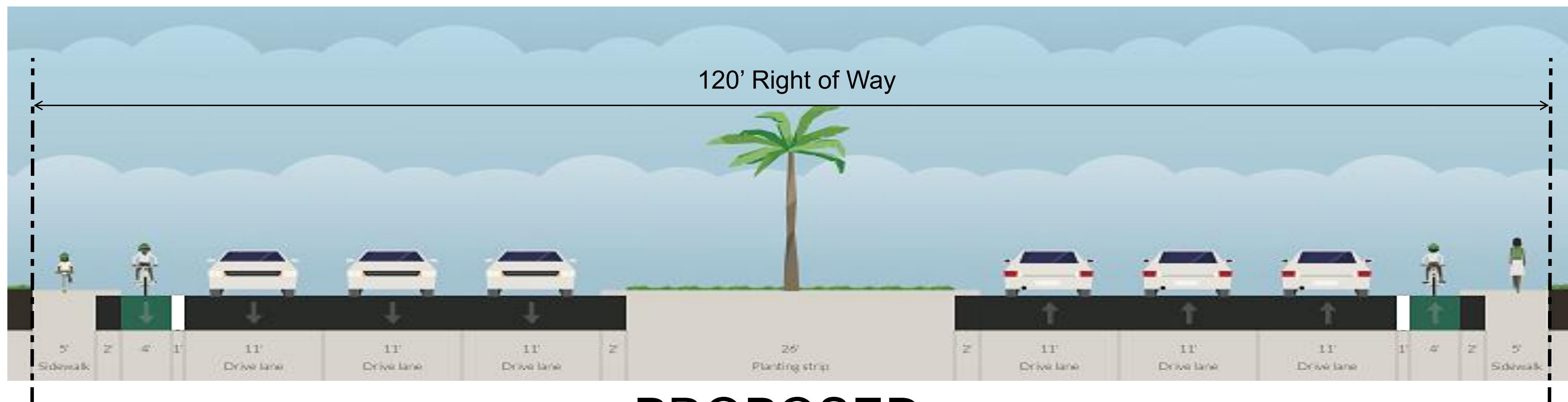


Segment 5

SAWGRASS EXPWY TO NORTHERN CITY LIMITS

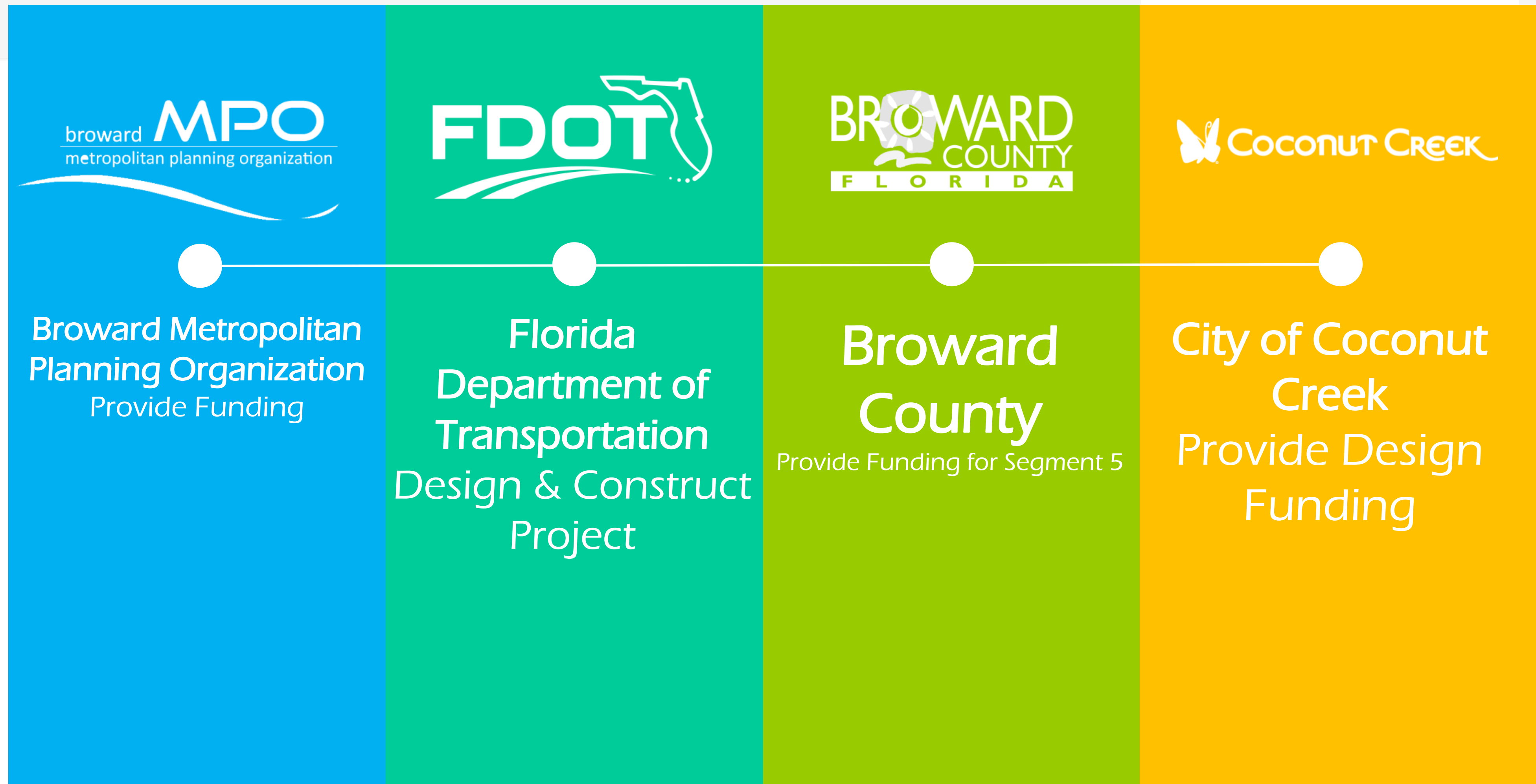


EXISTING



PROPOSED

Regional Partnership



Cost Estimates

SEGMENTS 1-4

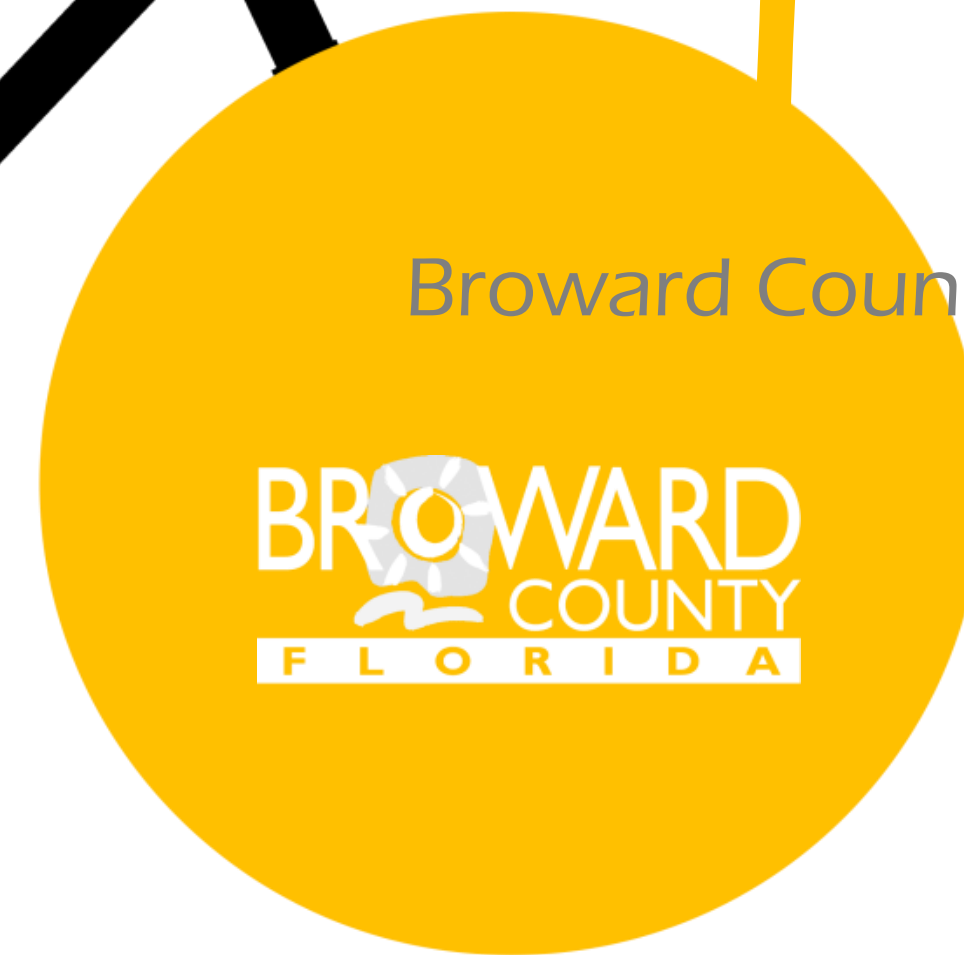
Broward MPO - \$15.3 Million
Coconut Creek - \$600k
Total of \$15.9 Million

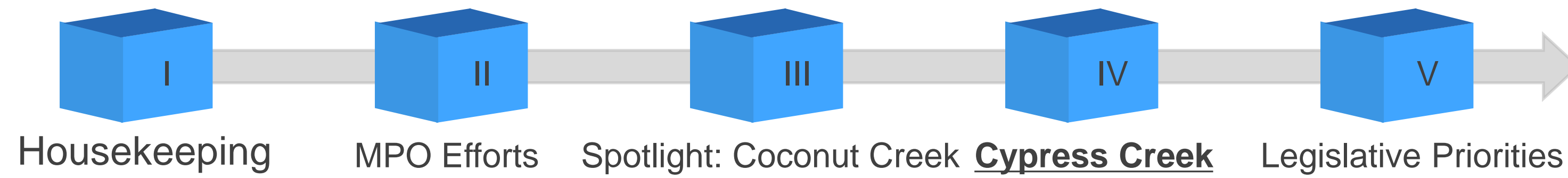


SEGMENT

T 5

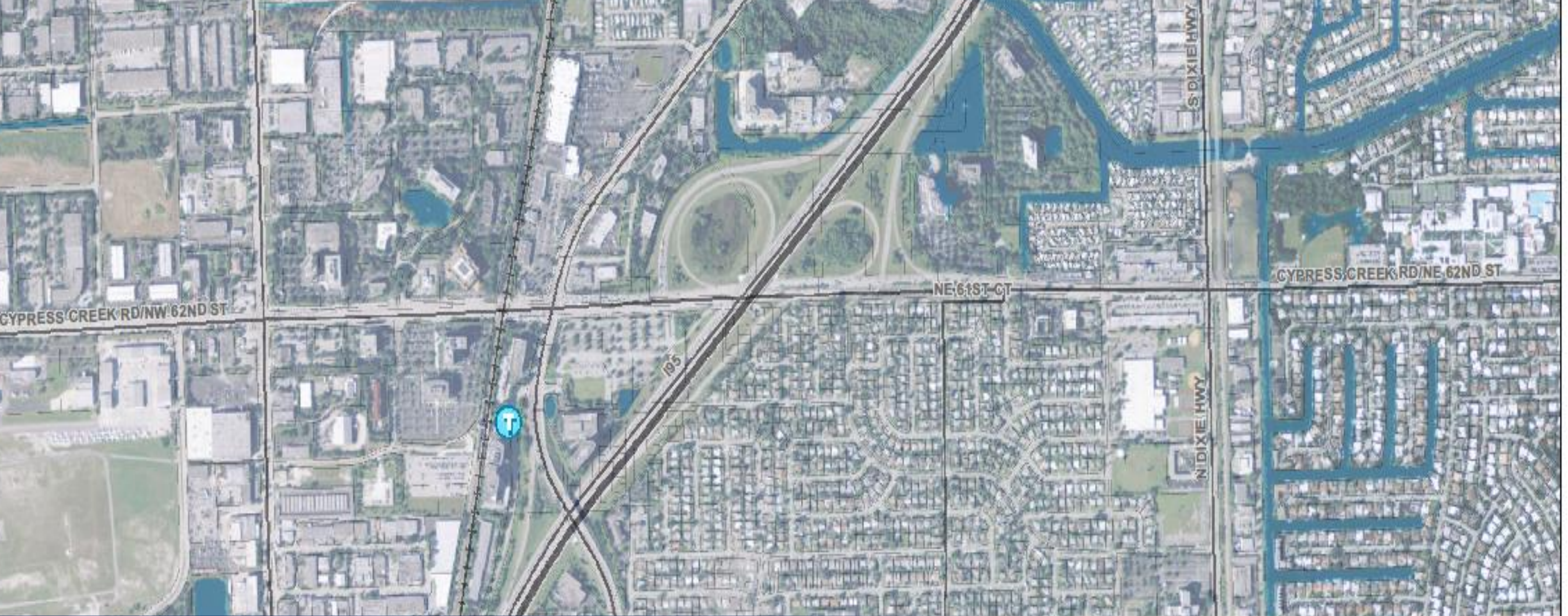
Broward County - \$2 Million





Cypress Creek Interchange Study

Presented by:
Shane Laasko, Renaissance Planning



CYPRESS CREEK I-95 INTERCHANGE

Informational Presentation to the
Broward MPO Complete Streets TAC
November 9, 2015



BACKGROUND - CYPRESS CREEK “UPTOWN” AREA

- Well-positioned for future investment
 - Dynamic growth area
- Excellent access to I-95, Tri-Rail, and bus services
 - Higher education institutions
 - Major corporate facilities
 - High elevation
- Area roads have safety and operational deficiencies that are projected to get worse
- FDOT is beginning the PD&E process for interchange improvements



FDOT'S PURPOSE FOR EXAMINING THE INTERCHANGE

- Safety and congestion concerns at the interchange
 - Traffic to/from Cypress Creek and Commercial interchanges produce operational and safety issues
- First ever systematic analysis of Broward I-95 interchanges since construction in 1970s
- FDOT mandate to preserve safety and operational efficiency on the SIS
 - Establishing funding priorities for SIS improvements



WHAT IS PD&E?

- FDOT Project Development and Environment (PD&E)
 - Used to review different alternatives, including a “No Build” scenario
 - Contains an extensive public comment process
 - Commercial/ Cypress Creek I-95 system interchange PD&E study starts **December 2015**

This outreach will help FDOT prepare for the PD&E process



CYPRESS CREEK I-95 INTERCHANGE

- The interchange area has been studied by several stakeholder groups

- **Areawide Vision**

- Uptown Urban Village - ULI Technical Assistance Panel for the City of Fort Lauderdale
 - 2011 TOD Training Course

- **Conceptual Site Plan**

- Cypress Creek TOD (Proposed Pilot Project) – Seven50 Southeast Florida Prosperity Plan
 - Cypress Creek Mobility Hub Master Plan – SFRTA & MPO
- FDOT Park-And-Ride Site Plan – Stiles Cypress Creek Conceptual Site Plan (No Longer Under Consideration)

- **Interchange Concept Reports**

- Interchange Concept Development Report: I-95 at Cypress Creek Road [Cypress Creek ICDR]
- Interchange Concept Development Report: I-95 at Commercial Boulevard [Commercial Blvd ICDR]

CYPRESS CREEK I-95 INTERCHANGE - VISIONS

- Stakeholder visioning plans contain a wide range of possibilities
 - Stakeholders envision...
 - Walkable, mixed-use, development, close to transit
 - A vibrant, urban economic hub
 - Transform Cypress Creek from a barrier into a seam
 - A multiway boulevard concept for Cypress Creek Road and Andrews
 - Removing the southbound I-95 ramp from Andrews Avenue
 - Alternative ramp locations for southbound I-95 on-ramp at Andrews Avenue



FDOT'S EFFORT TO DATE

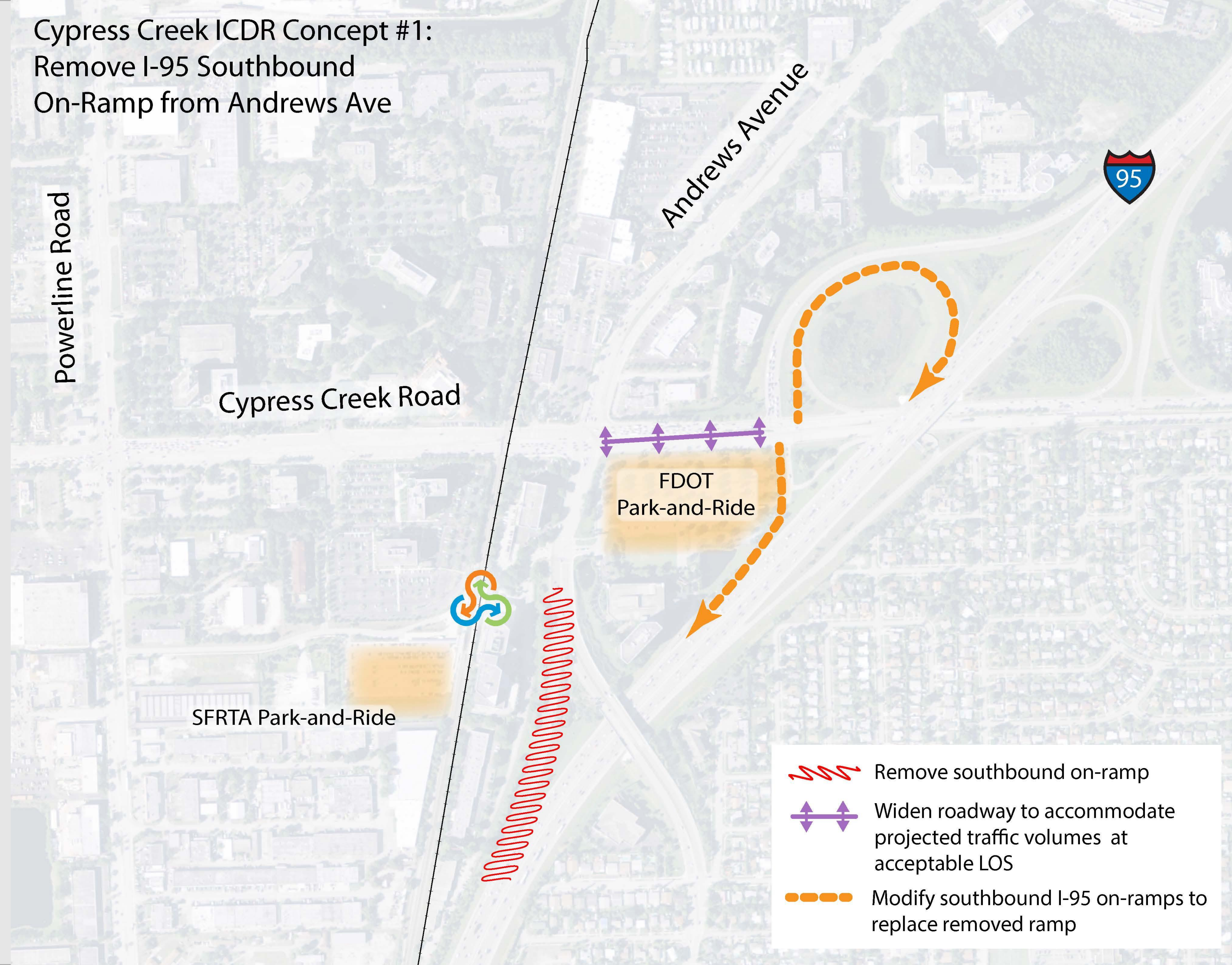
- FDOT is master planning 16 of Broward's I-95 interchanges
- FDOT developed an Interchange Concept Development Report (ICDR) for Cypress Creek Road to inform the PD&E process
- Several Conceptual Design Alternatives (CDA) were tested
- FDOT chose one CDA to use to develop cost estimates for work programming purposes

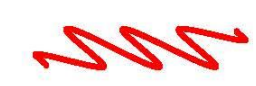
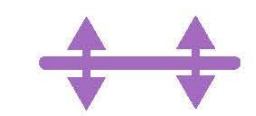



Concept #1:

- Eliminates existing southbound on-ramp from Andrews Avenue
- Diverts volume to Cypress Creek Road / I-95 southbound off-ramp intersection
- Two options for ramps:
 - Existing westbound to southbound loop ramp modified to accommodate left-turning vehicles
 - New southbound ramp through the FDOT park-and-ride lot accessed by right-turning vehicles from Cypress Creek Road

Cypress Creek ICDR Concept #1:
Remove I-95 Southbound
On-Ramp from Andrews Ave



-  Remove southbound on-ramp
-  Widen roadway to accommodate projected traffic volumes at acceptable LOS
-  Modify southbound I-95 on-ramps to replace removed ramp

Concept #2:

- Eliminates the signal control at the intersection of Andrews Avenue and Andrews Way
- Converts intersection to a directional median
- Creates grade separated pedestrian crossing

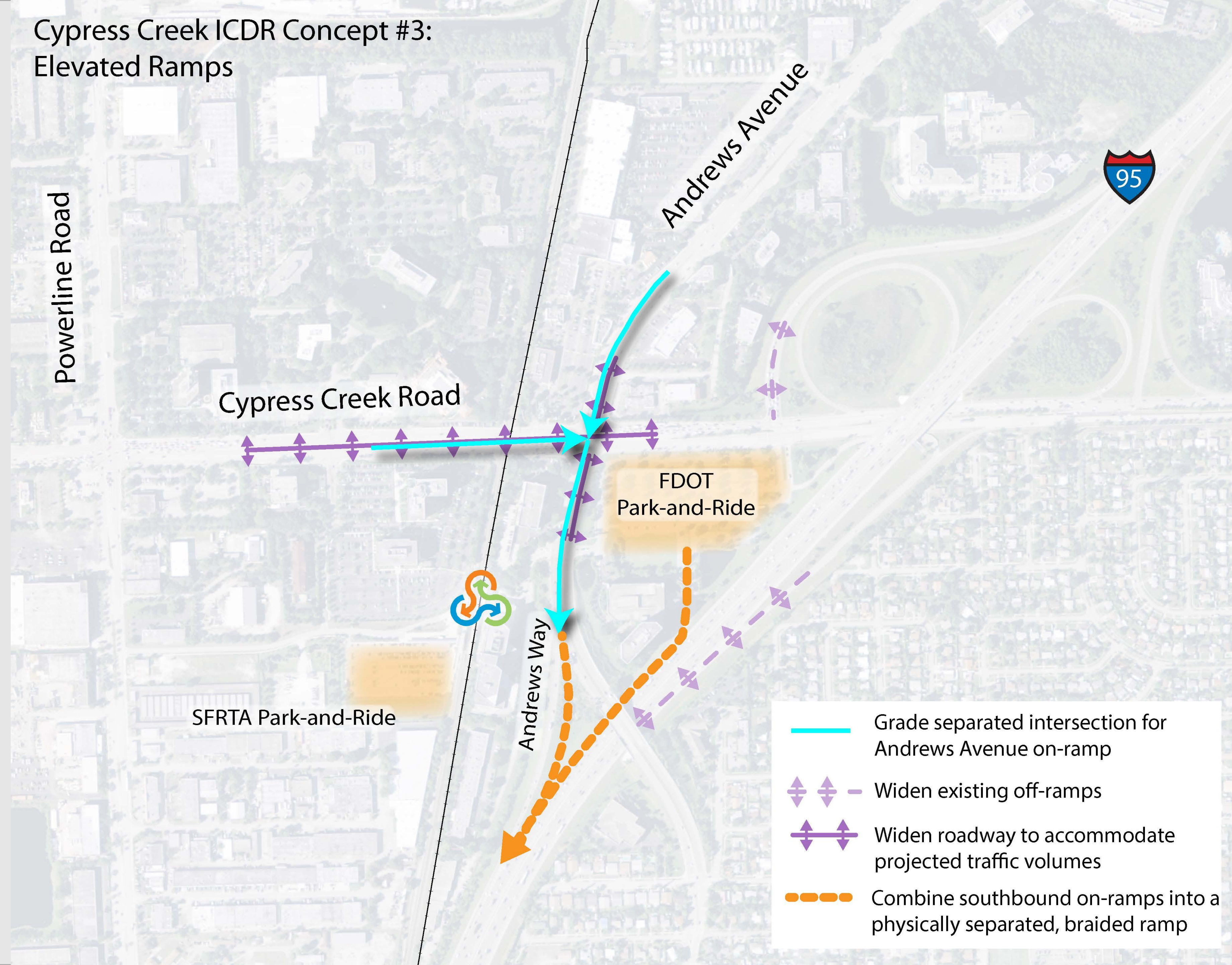
Cypress Creek ICDR Concept #2: Andrews Ave & Andrews Way Intersection Reconfiguration



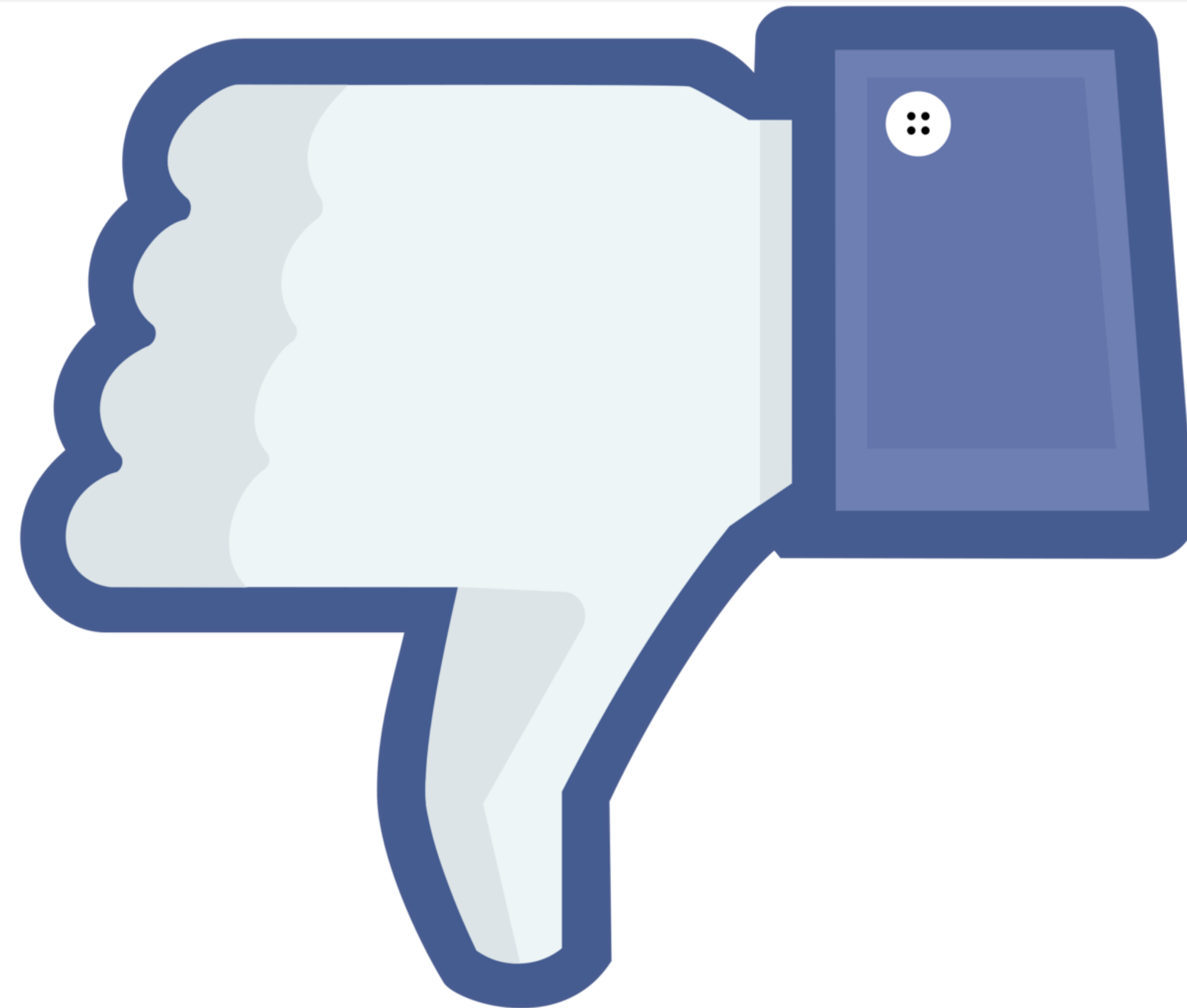
Concept #3:

Cypress Creek ICDR Concept #3: Elevated Ramps

- Highest LOS mitigation
- Grade separations at Cypress Creek Rd at Andrews Ave and Andrews Ave at Andrews Way
- Traffic to southbound I-95 elevated above local traffic; merges with on-ramp at Andrews Ave
- Balances safer pedestrian crossing of Andrews Ave and Cypress Creek Rd with access to I-95
- Creates a visual impact



- Inconsistent with vision for the area



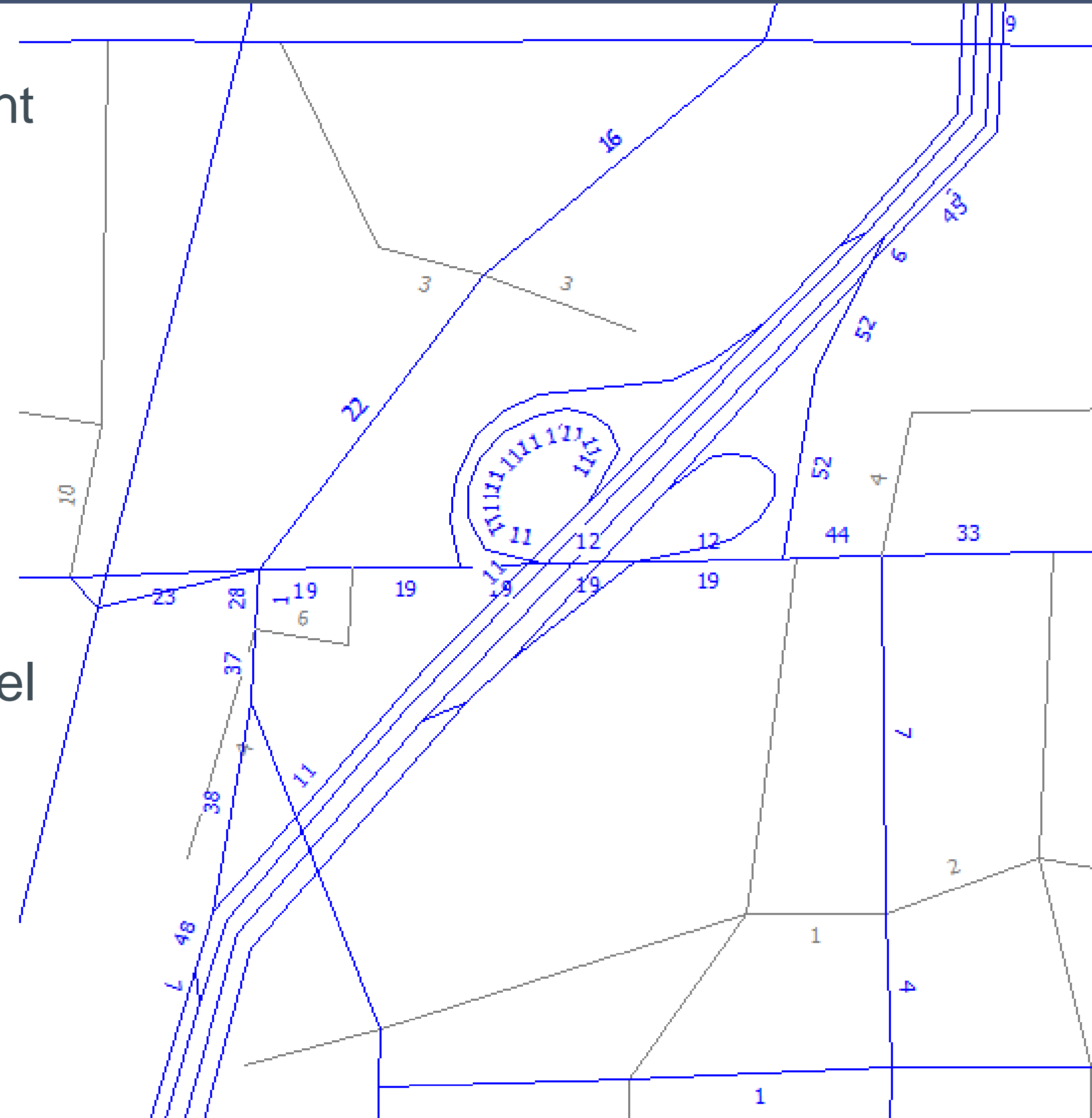
WHAT NOW?

- FDOT is revisiting projections for the PD&E study
 - ICDR projections are subject to change
 - FDOT priority number one: **Safety**
 - No traffic backing up onto mainline I-95
 - Ramps and cross-streets need to operate at acceptable levels of service
- Capital improvements are needed to provide needed capacity and safe accommodation for pedestrians and bicyclists



NEXT STEPS...

- FDOT needs to understand what stakeholders want
 - What are stakeholder goals?
 - Development
 - Transit service
 - Transit ridership
 - Mode split
- FDOT needs specific assumptions to put into model
 - To account for stakeholder vision
 - For accuracy

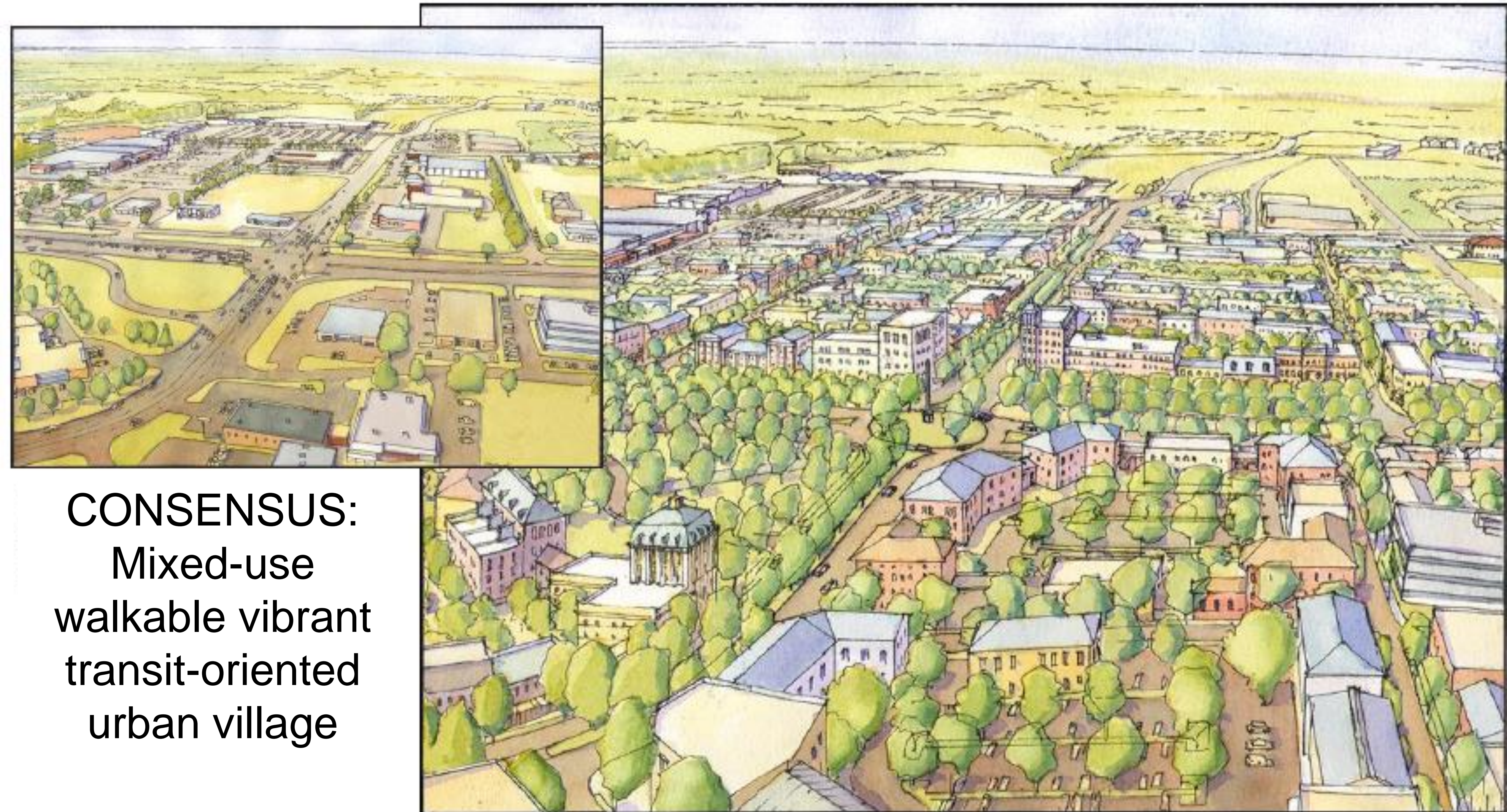


'PRE-PD&E' STAKEHOLDER OUTREACH

FDOT met with 10 stakeholder agencies:

- Broward County Traffic Engineering
- Broward County Highway Construction & Engineering
 - South Florida Regional Transportation Authority
- Broward County Planning Council
 - Broward County Planning & Redevelopment Division
 - City of Fort Lauderdale
- Broward Metropolitan Planning Organization
 - Envision Uptown
 - Broward County Transit
 - City of Oakland Park





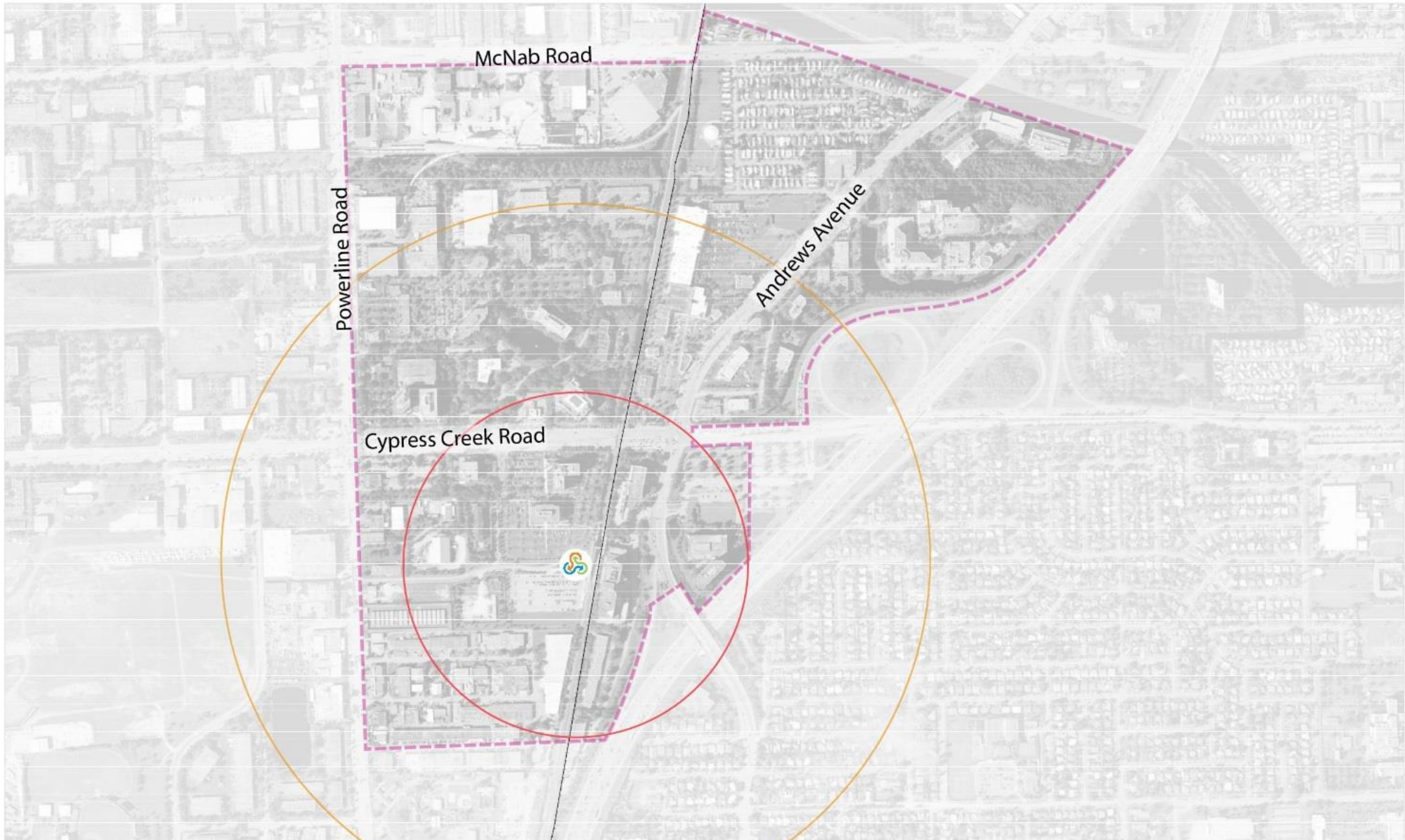
CONSENSUS:
Mixed-use
walkable vibrant
transit-oriented
urban village

GENERAL CONSENSUS – BIG PICTURE VISION



Receiving area for
new growth

Maximize walkability
and transit access



McNab Road

Powerline Road

Andrews Avenue

Cypress Creek Road

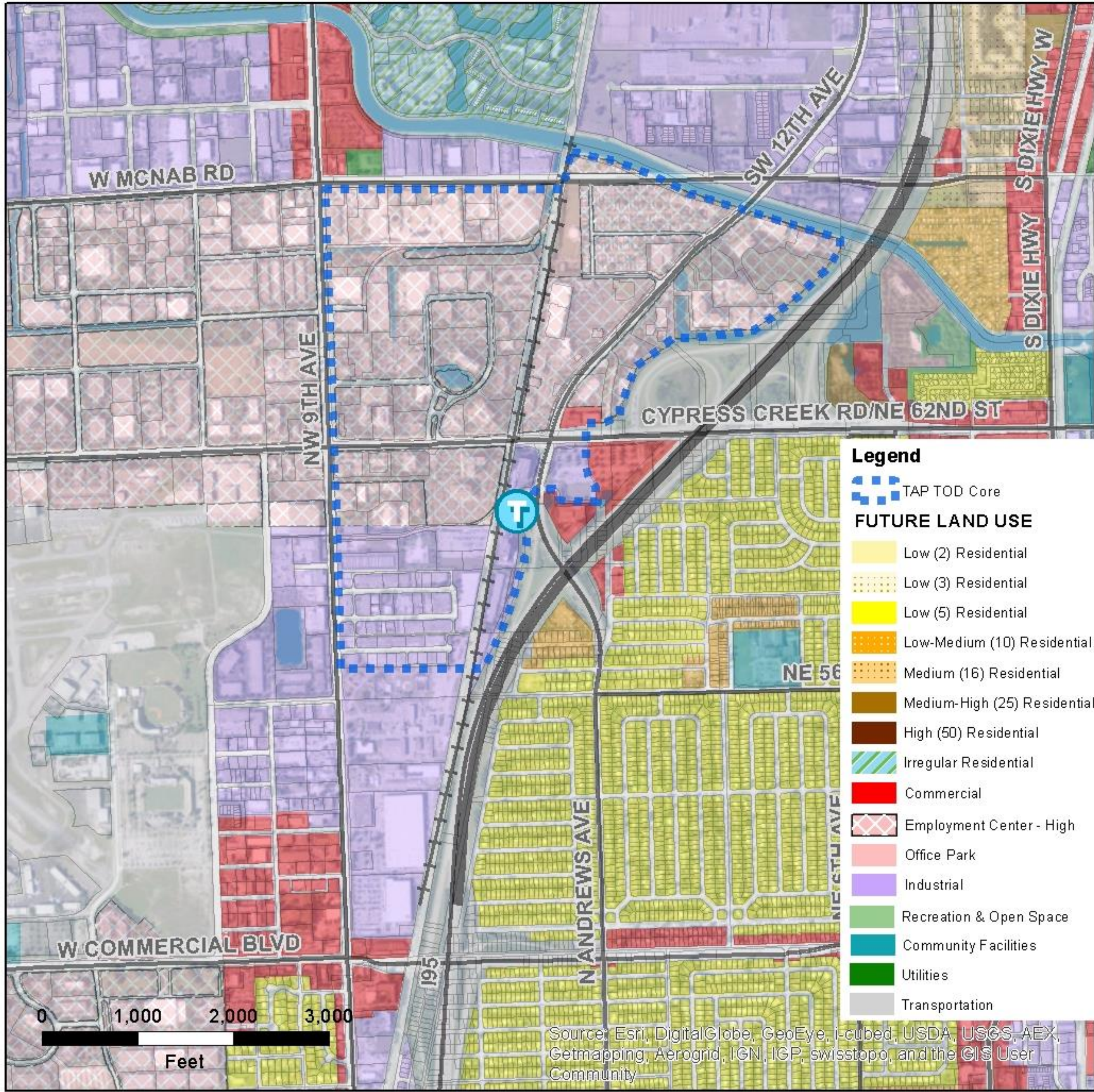


UPTOWN URBAN VILLAGE

0 500 1,000 Feet

UNANIMOUS:

There will be more density and more residential uses than the MPO's adopted 2040 projections for population and jobs



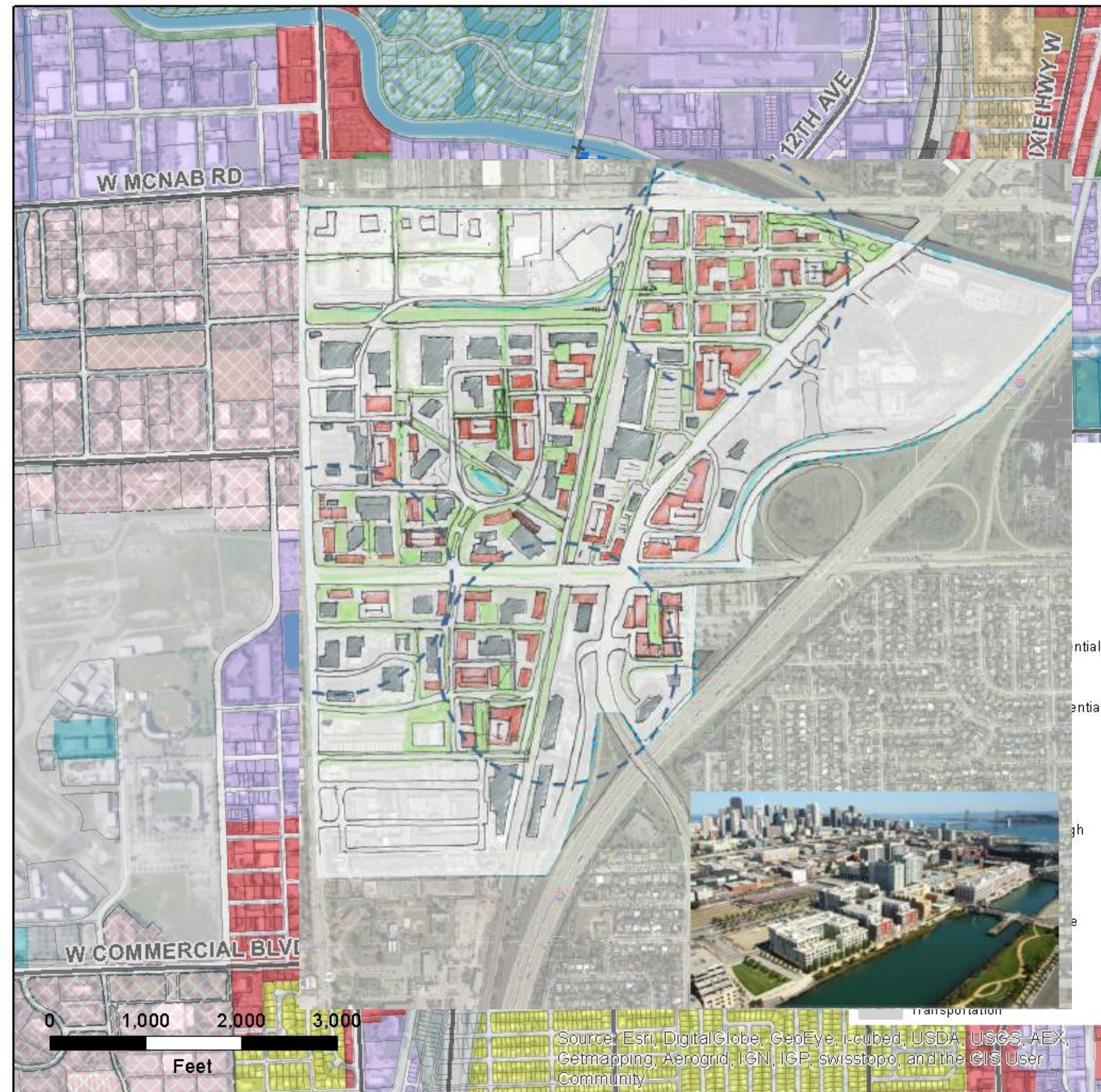
GENERAL CONSENSUS

- Cypress Creek Road and Andrews Ave are barriers for pedestrians
- Limited potential for TOD north of Cypress Creek Rd
- Enhanced connectivity across all quadrants of Cypress Creek Rd and Andrews Ave
- Shade and landscaping to improve pedestrian environment



Land Use Plan Amendment

- Key players are still defining the details
- Who initiates the application?
- How much added density?
- What is the phasing of amendments?



What We've Heard

Lane Repurposing on Cypress Creek Rd and Andrews Ave

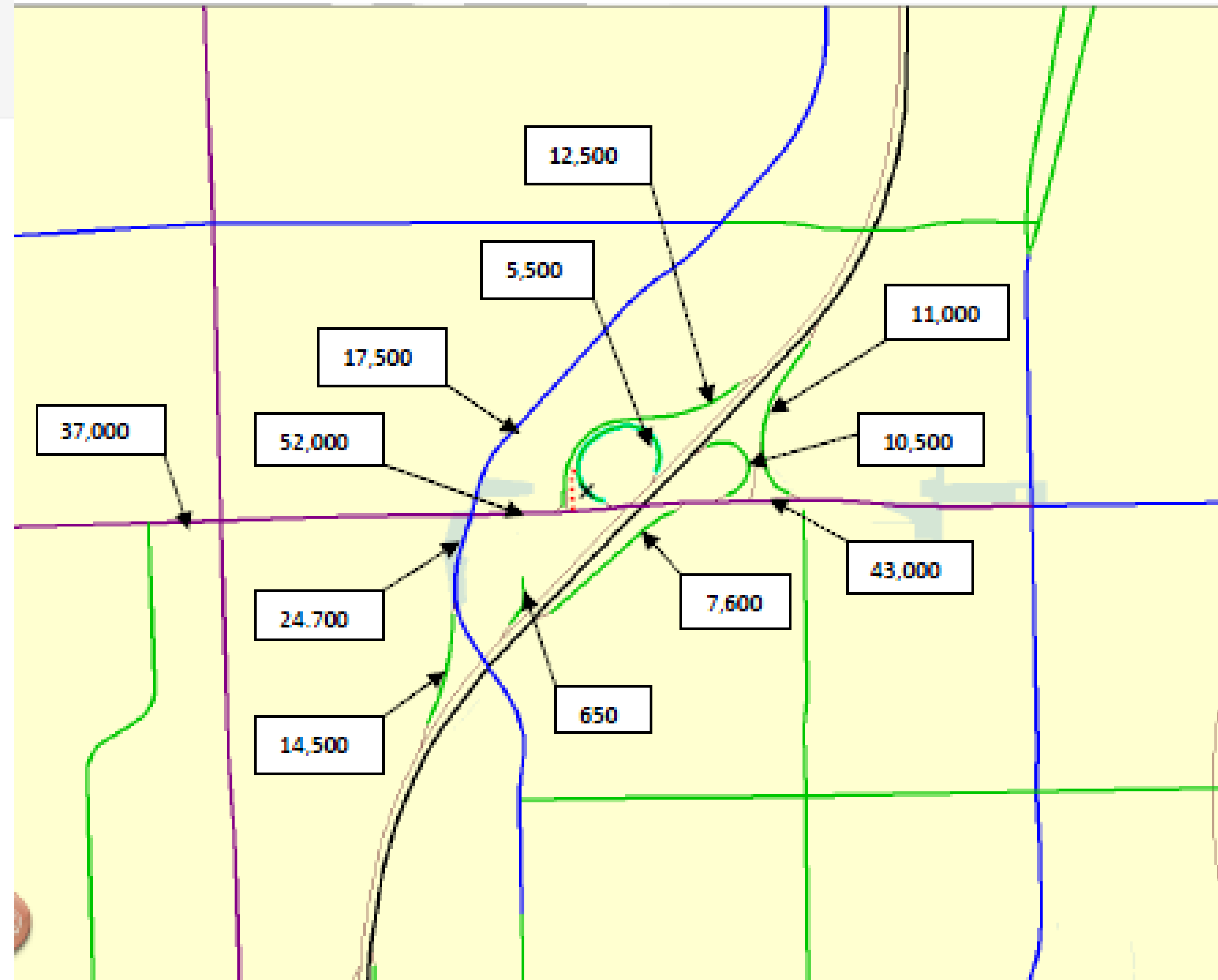
- Clear energy to change the cross-section
- City needs to initiate:
 - Lane elimination application
 - Traffic study for County approval



What We've Heard

Considerations for Traffic Volumes

- Higher densities
- More balanced jobs/housing
- More walking
- Higher transit ridership
- Millennial impact
- Traffic volume trend

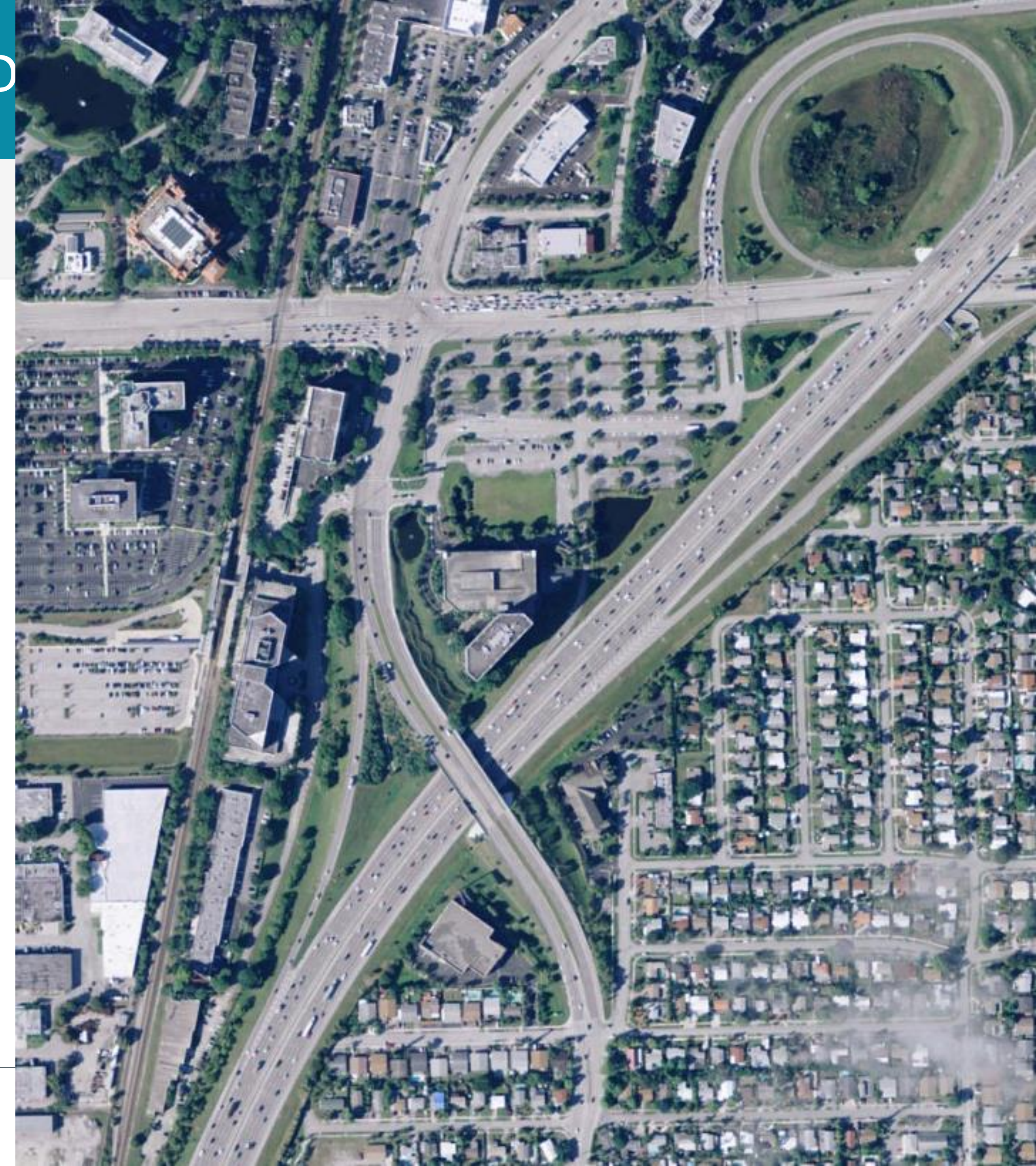


Eliminate Andrews Ave Southbound On-Ramp

- Key pedestrian and transit connection
- Catalyze development potential

Elevated Ramps

- Levels of opposition
- Design details could be critical



NEXT STEPS...

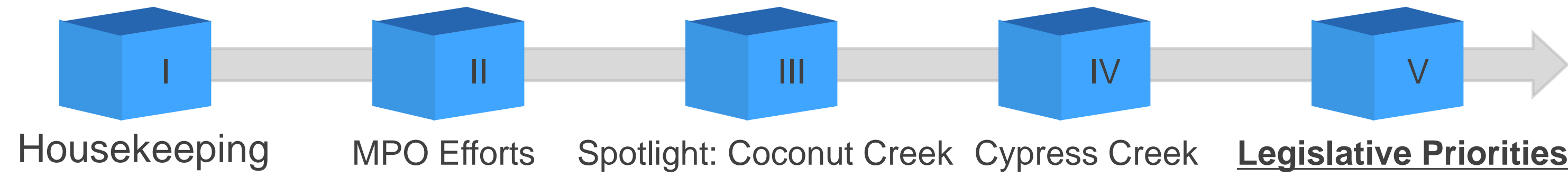
- We have developed a **synthesis report** summarizing and comparing the completed studies
 - We will **update this report** with stakeholder meeting findings
- The outreach for this project will conclude in November 2015
 - FDOT PD&E process will begin in December 2015
 - Stakeholder agencies and the public will have **many opportunities to provide comment and be involved** in the process



Comments or Questions?

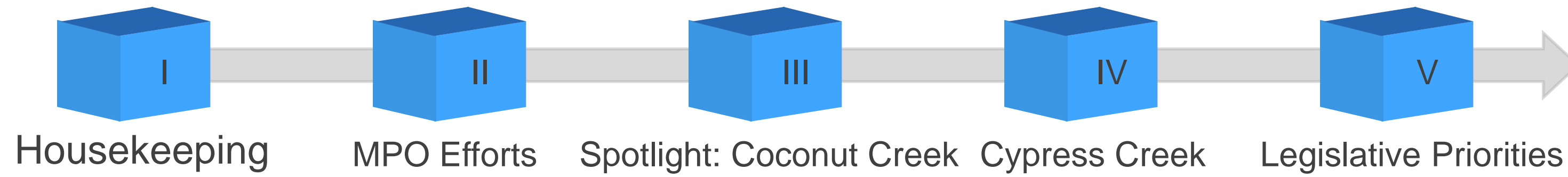


Jessica Dimmick, AICP, EIT
jdimmick@ciesthatwork.com
561-404-7261 x304



Legislative Priorities

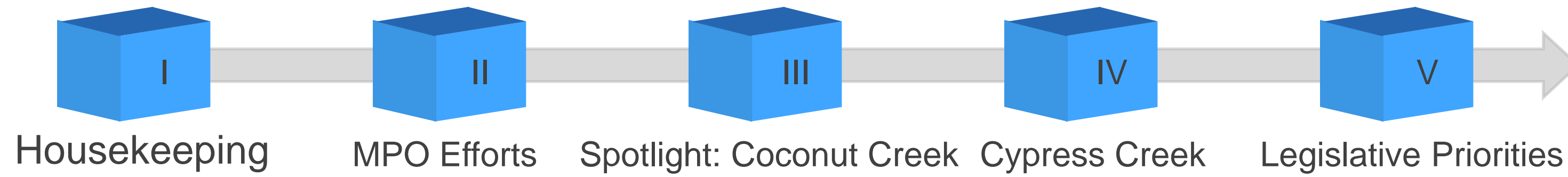




Partner Updates



- 1 Wheels Conference: November 11-15 in Miami
- 2 Dania Beach HCZ Nov. 21 at Patch
- 3 Open Streets Fort Lauderdale Nov. 22 Las Olas



Thank you!



Next TAC Meeting on December 14th

Any final questions?

Don't Forget to Visit: www.browardmpo.org/projects-studies/complete-streets
If you have any questions or comments, please contact Ricardo Gutierrez at 954.876.0044