



Move People & Goods | Create Jobs | Strengthen Communities

MMTP Task 4 Mid / Long-term Improvements

Staff Working Group - Monthly Meeting

August 17, 2022

Meeting Agenda

- Status
 - Future Meeting Dates
- Discussion: Plan Themes
 - Initial Analysis for Connectivity
- Discussion: Plan Themes → Project Locations
- Next Steps
- Q & A
- *Time Permitting... Examples of Pedestrian Bridges*

Meeting Goal:

1. Consensus on Plan Themes
2. Consensus on Roadways

Project Schedule: Task 4 Meetings



Task 4: Plan Theme #1

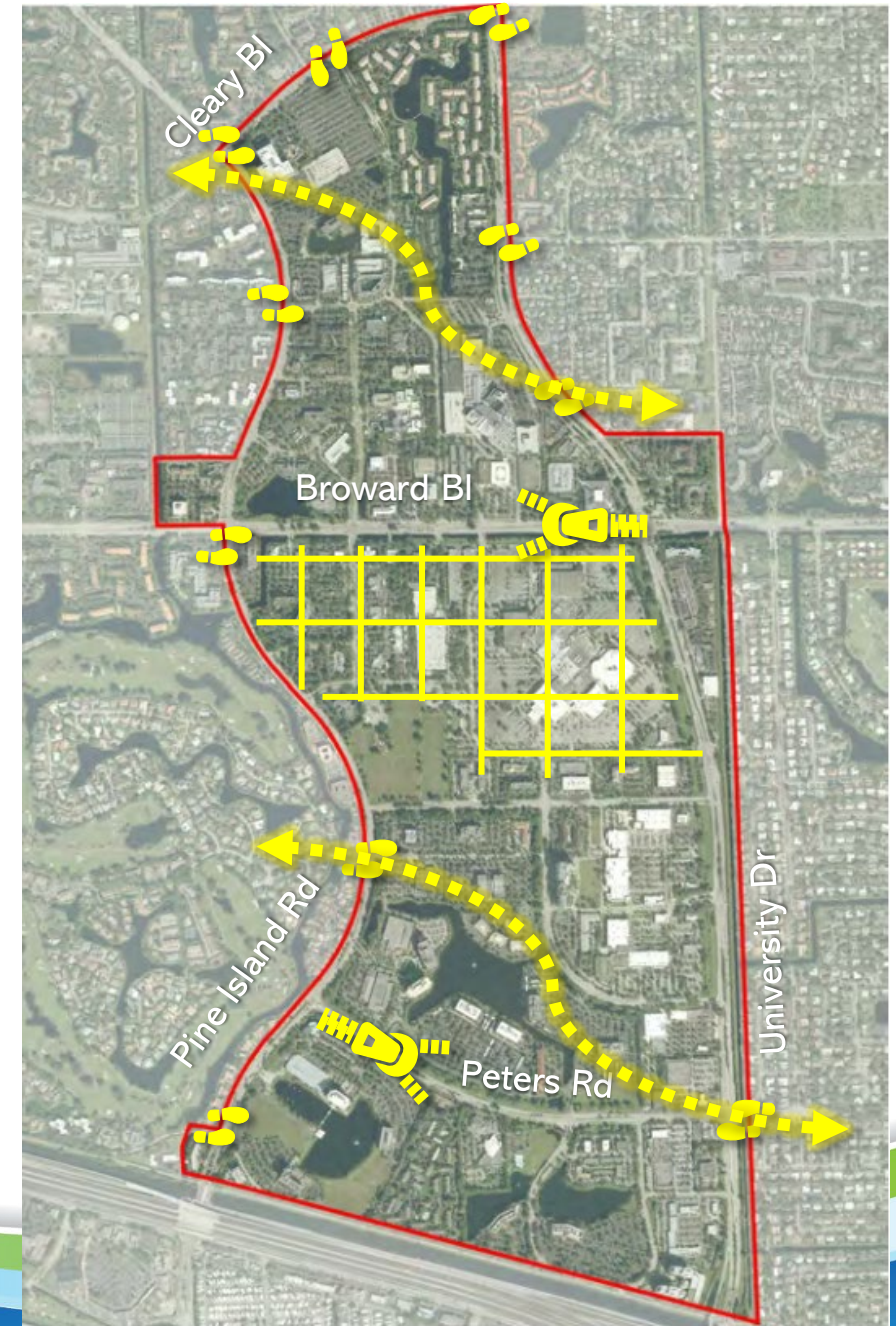
Connectivity

Within Midtown

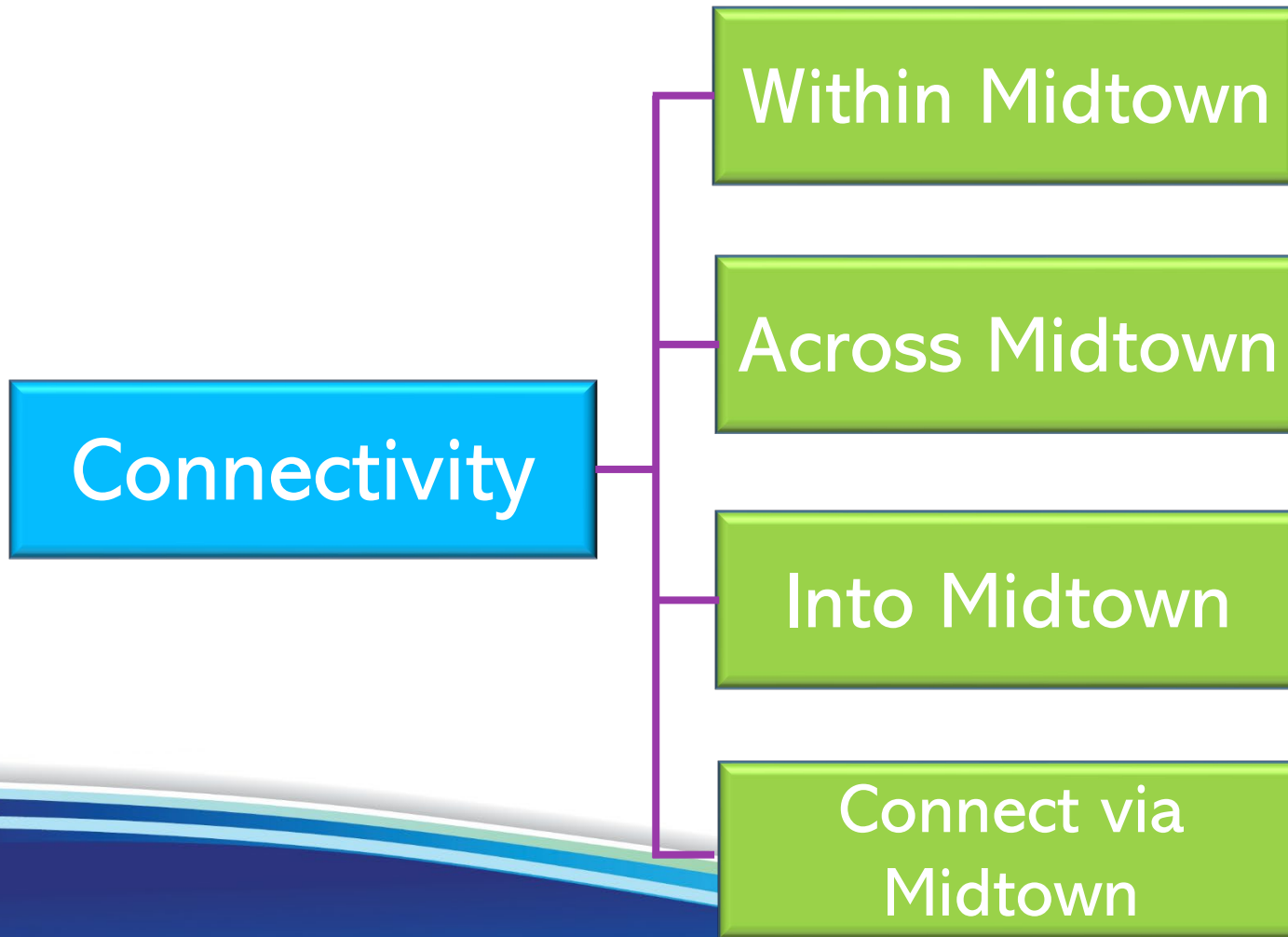
Across Midtown

Into Midtown

Connect via Midtown



Task 4: Plan Theme #1



Promoting Connectivity

A well-connected transportation network reduces the distances traveled to reach destinations, increases the options for routes of travel, and can facilitate walking and bicycling. Well-connected, multimodal networks are characterized by seamless bicycle and pedestrian infrastructure, direct routing, accessibility, few dead-ends, and few physical barriers. Increased levels of connectivity are associated with higher levels of physical activity from transportation. Connectivity via transportation networks can also improve health by increasing access to health care, goods and services, etc. Strategies to improve pedestrian and bicycle connectivity include

- Short block lengths
- Implementation of a Complete Streets policy
- Bicycle/pedestrian outlets for cul-de-sacs and dead ends
- Prioritization of multimodal access to public transportation
- Safe and visible bicycle and pedestrian facilities (Oregon DOT 2010)

<https://www7.transportation.gov/mission/health/promoting-connectivity>

What Makes a Connected Community?

A connected community is a place where residents have access to a range of housing choices and can safely and conveniently meet their daily needs on foot, bicycle, and public transit, as well as in a car. Connected communities have the following characteristics:

- **Walkable Street Design.** Pedestrian and bicycle infrastructure and facilities, such as sidewalks, bicycle lanes, street trees, lighting, and bicycle racks, to make walking or bicycling safe and comfortable. A grid-like street network and small blocks can also make it easier and quicker to walk or bicycle.
- **Places for People.** Public spaces, including streets, parks, plazas, and campuses of schools and other institutions, that are safe, comfortable, and welcoming, and invite people to connect with each other and build community. (The process of planning, designing, and managing these spaces is known as “placemaking.”)
- **Connections to Destinations.** Residents and workers can walk, bicycle, or take public transit to access key goods, services, and

https://www.huduser.gov/publications/pdf/Creating_Connected_Comm.pdf

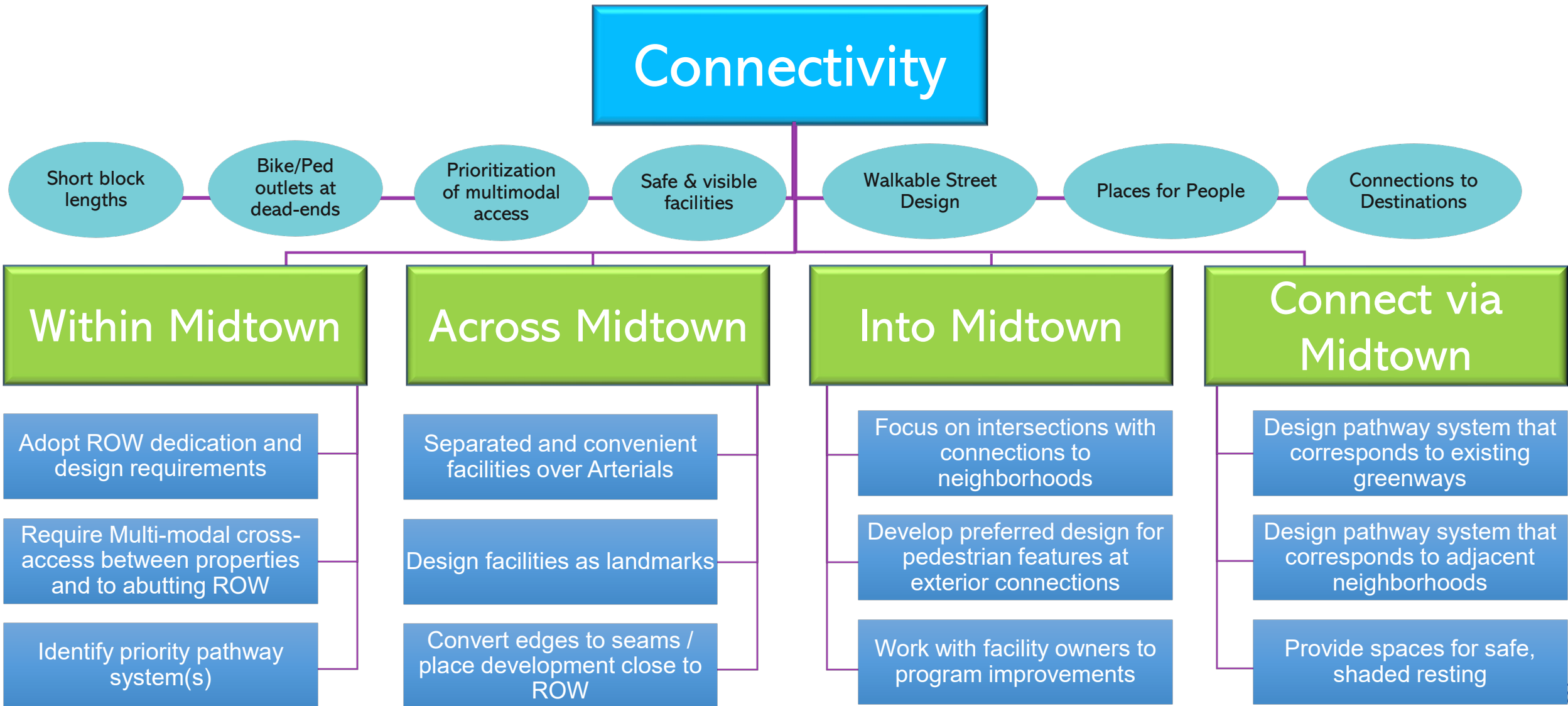


The Depot Neighborhood development is a proposed affordable housing project in Traverse City, Michigan, that exemplifies many aspects of a connected community. The development is within walking distance of a library, a grocery store, and the downtown area, and served by fixed-route bus services with good connections to other local bus routes. The project will also offer a walkable layout and community gathering spaces. See the Traverse City case study in Chapter III for more information.

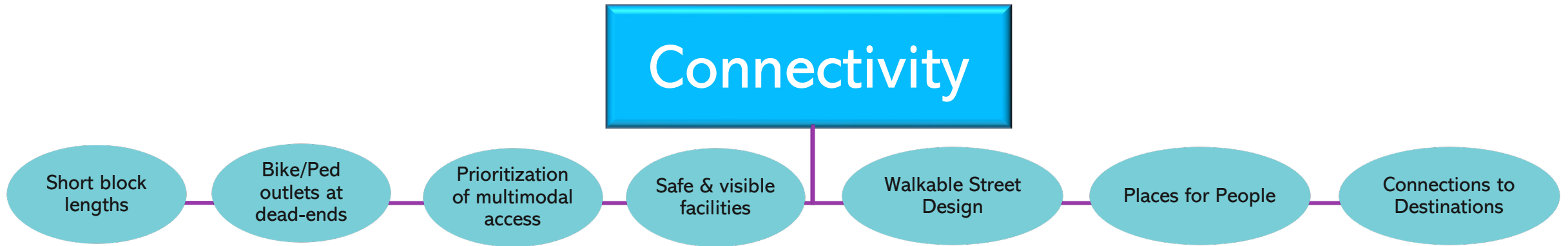
Image source: Habitat for Humanity—Grand Traverse Region

amenities—such as schools, fresh foods and other shopping, open space and recreation, health care, libraries, and other services—and to major employment centers and other regional destinations.

Task 4: Plan Theme #1



Task 4: Plan Theme #1

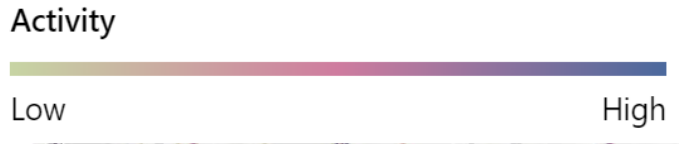
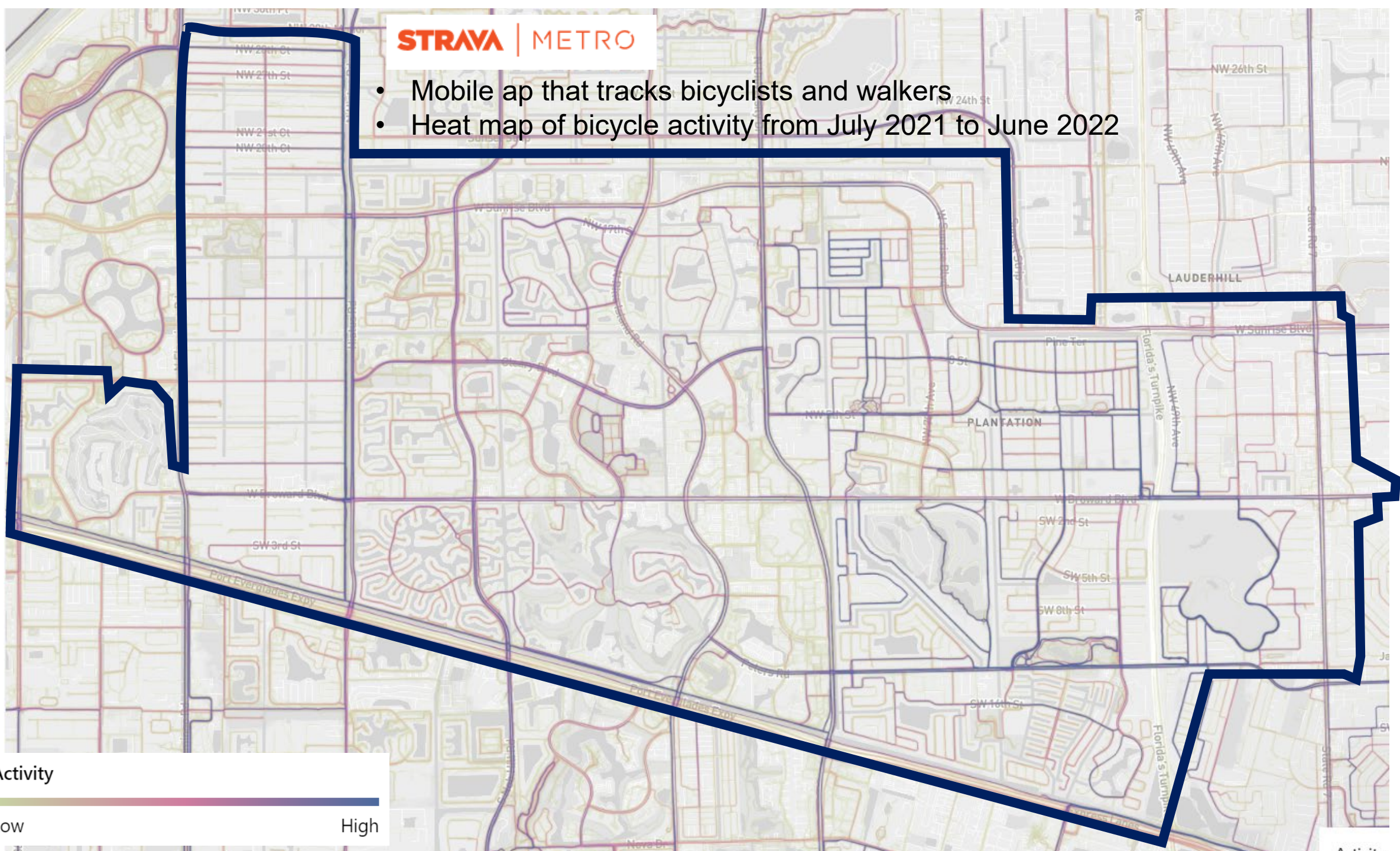


Initial analysis.....

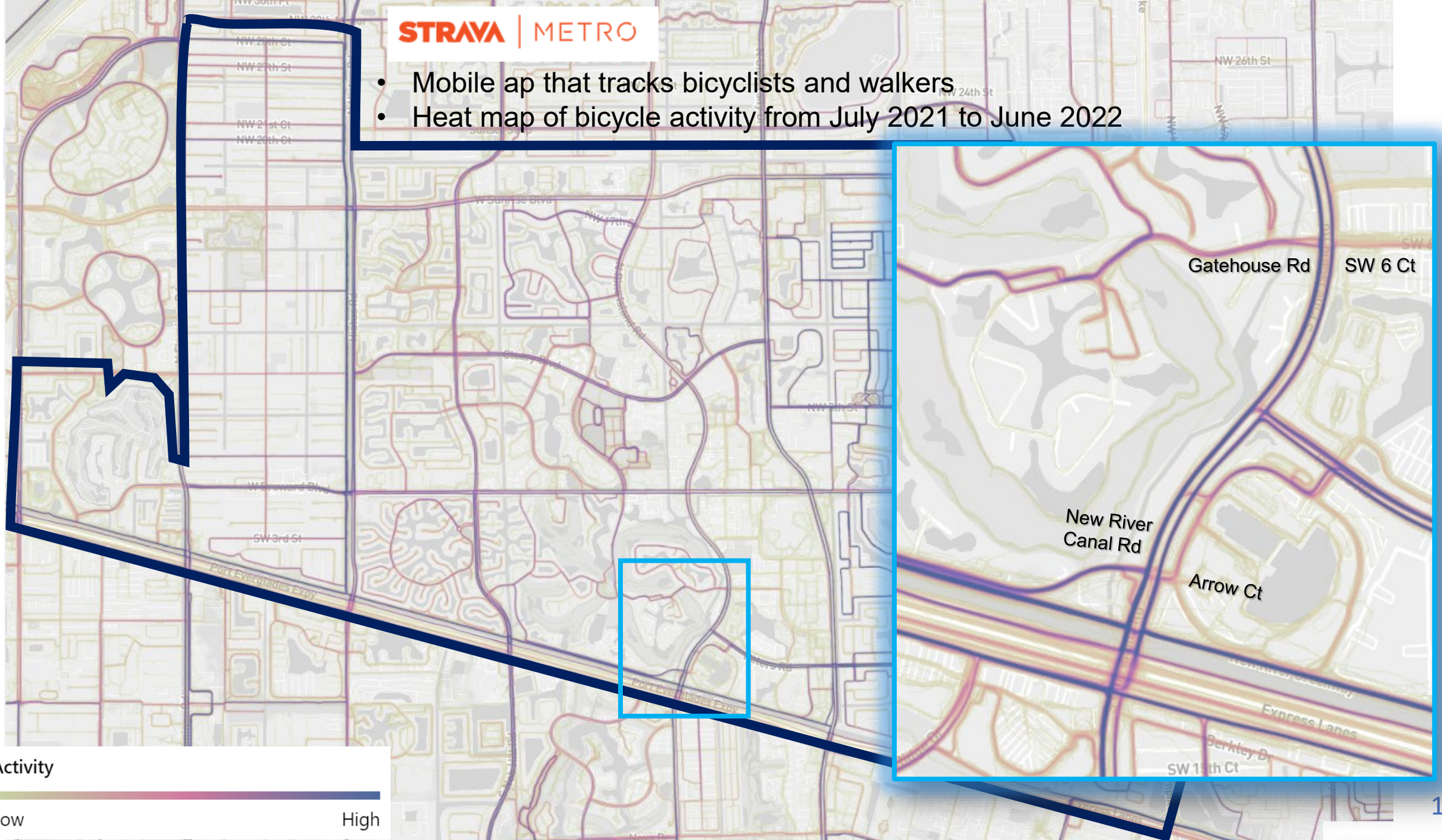
Midtown Connectivity: Sidewalk Access *into* Midtown



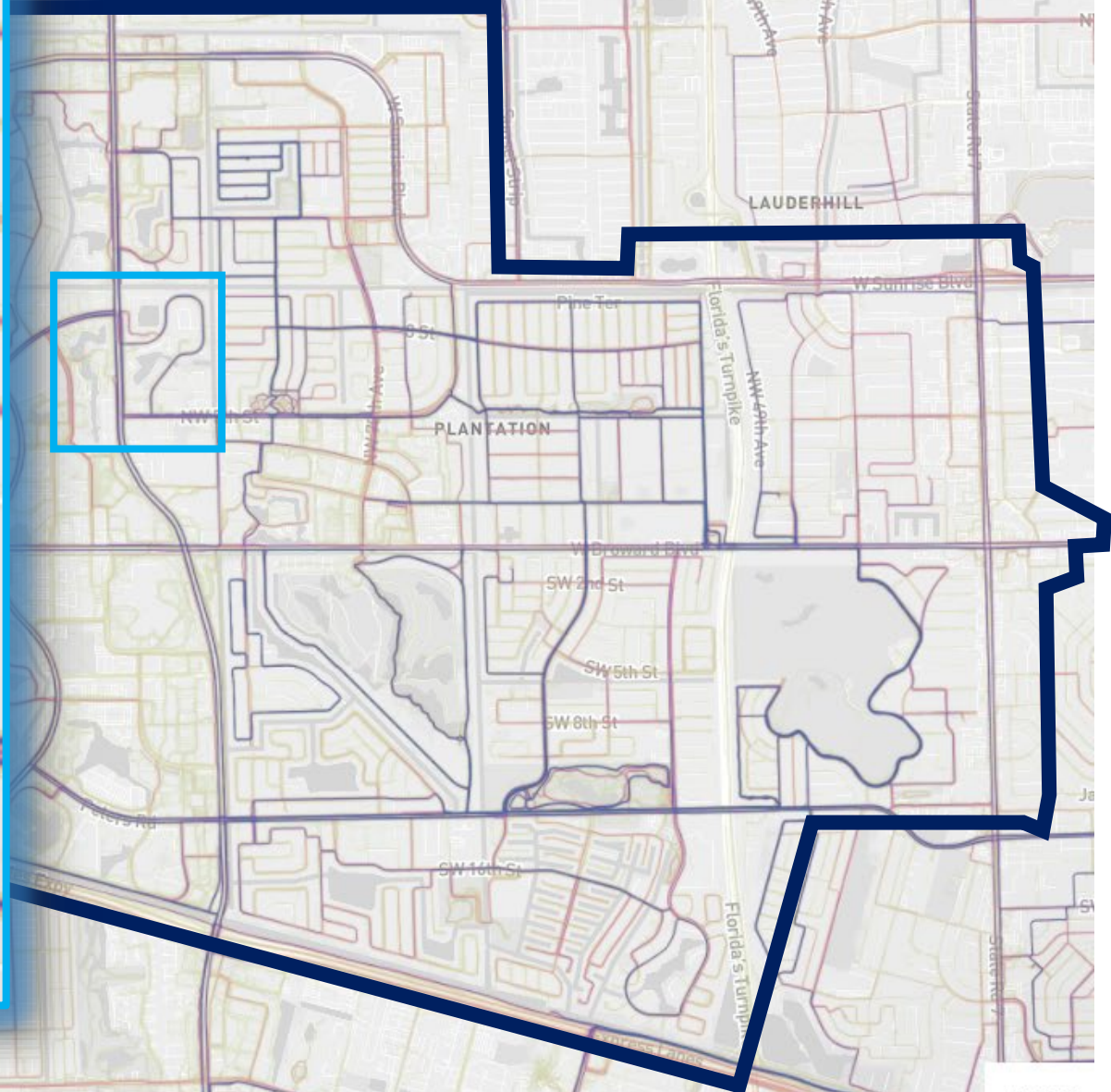
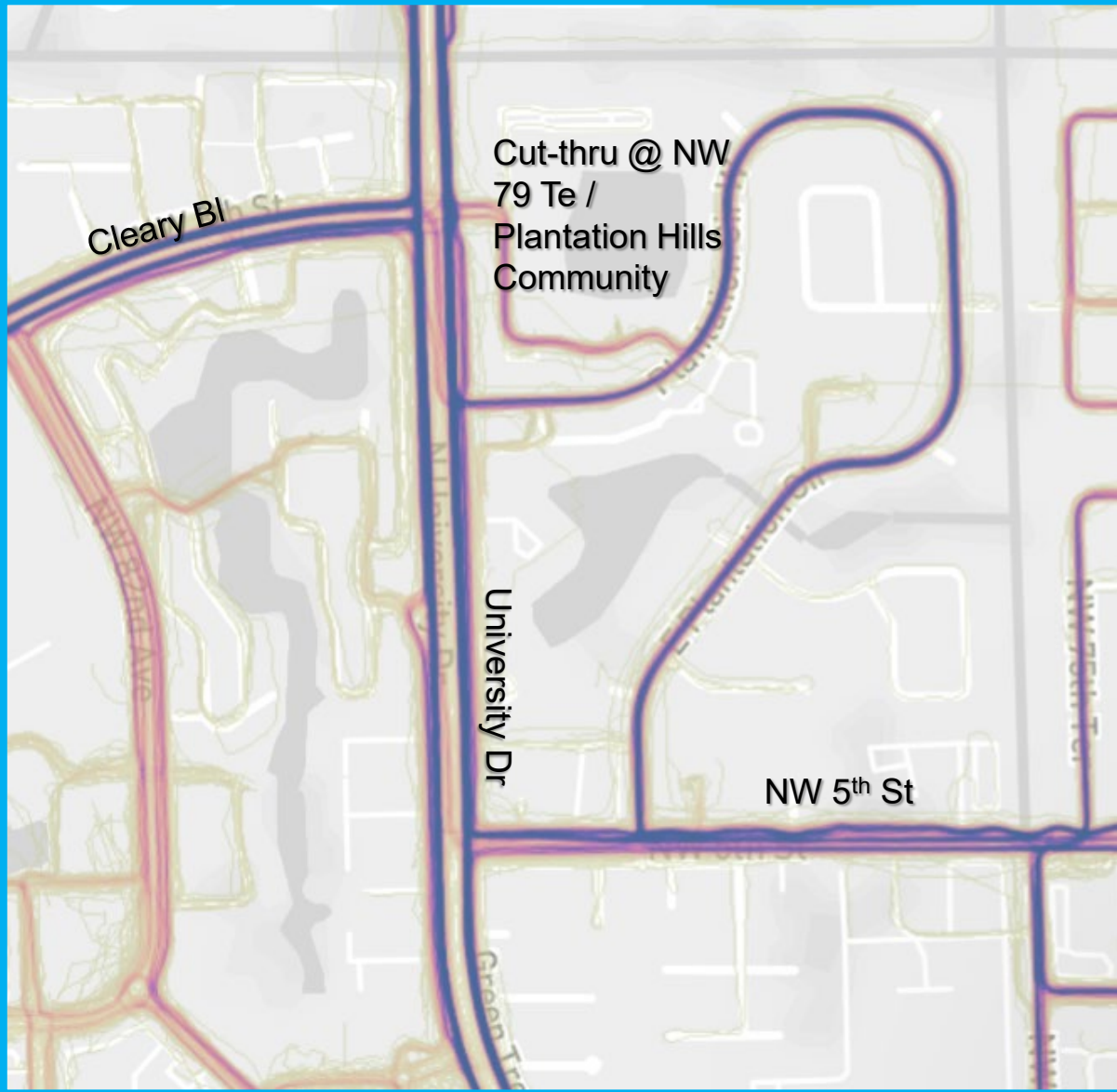
- Mobile app that tracks bicyclists and walkers
- Heat map of bicycle activity from July 2021 to June 2022



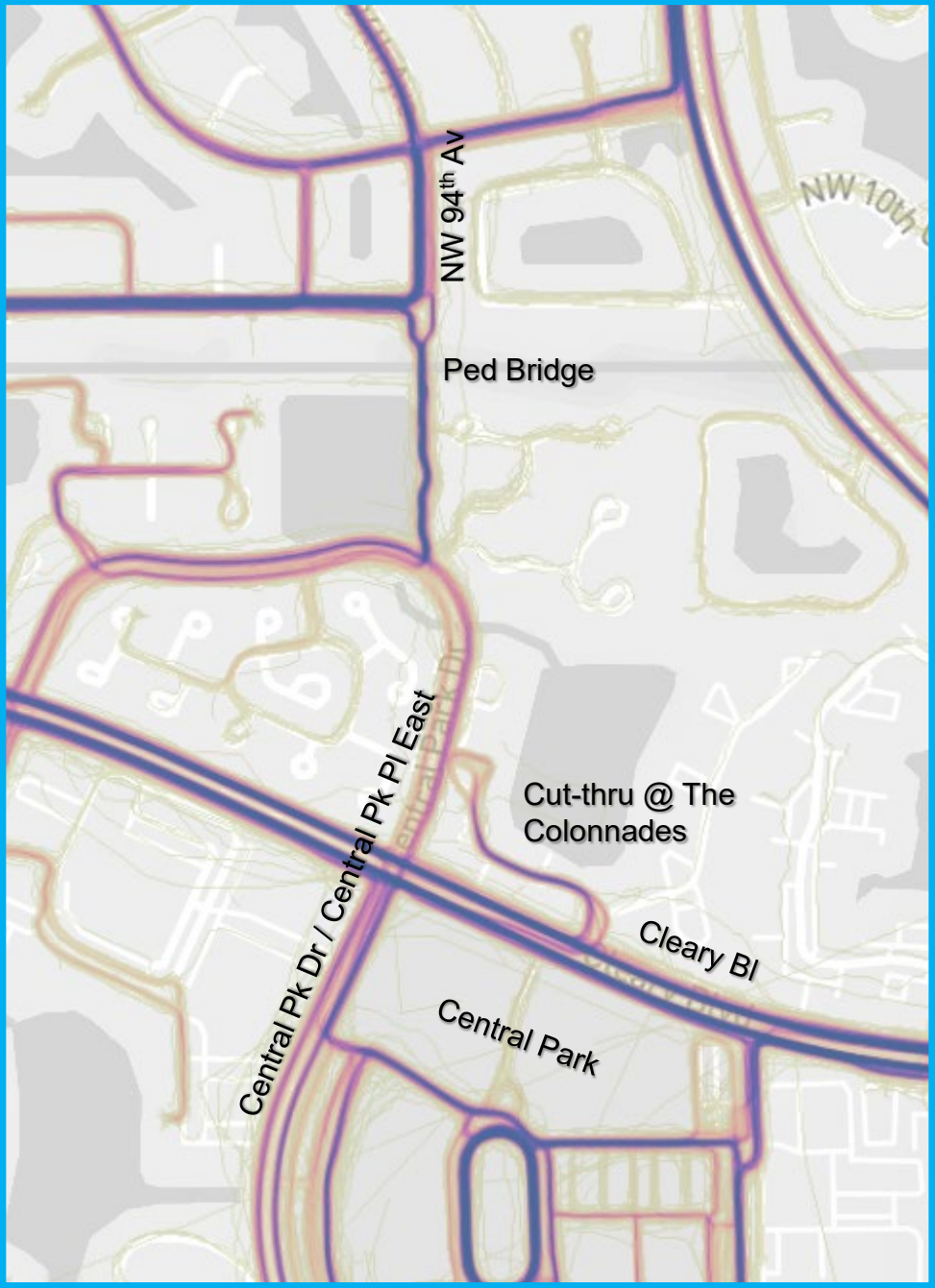
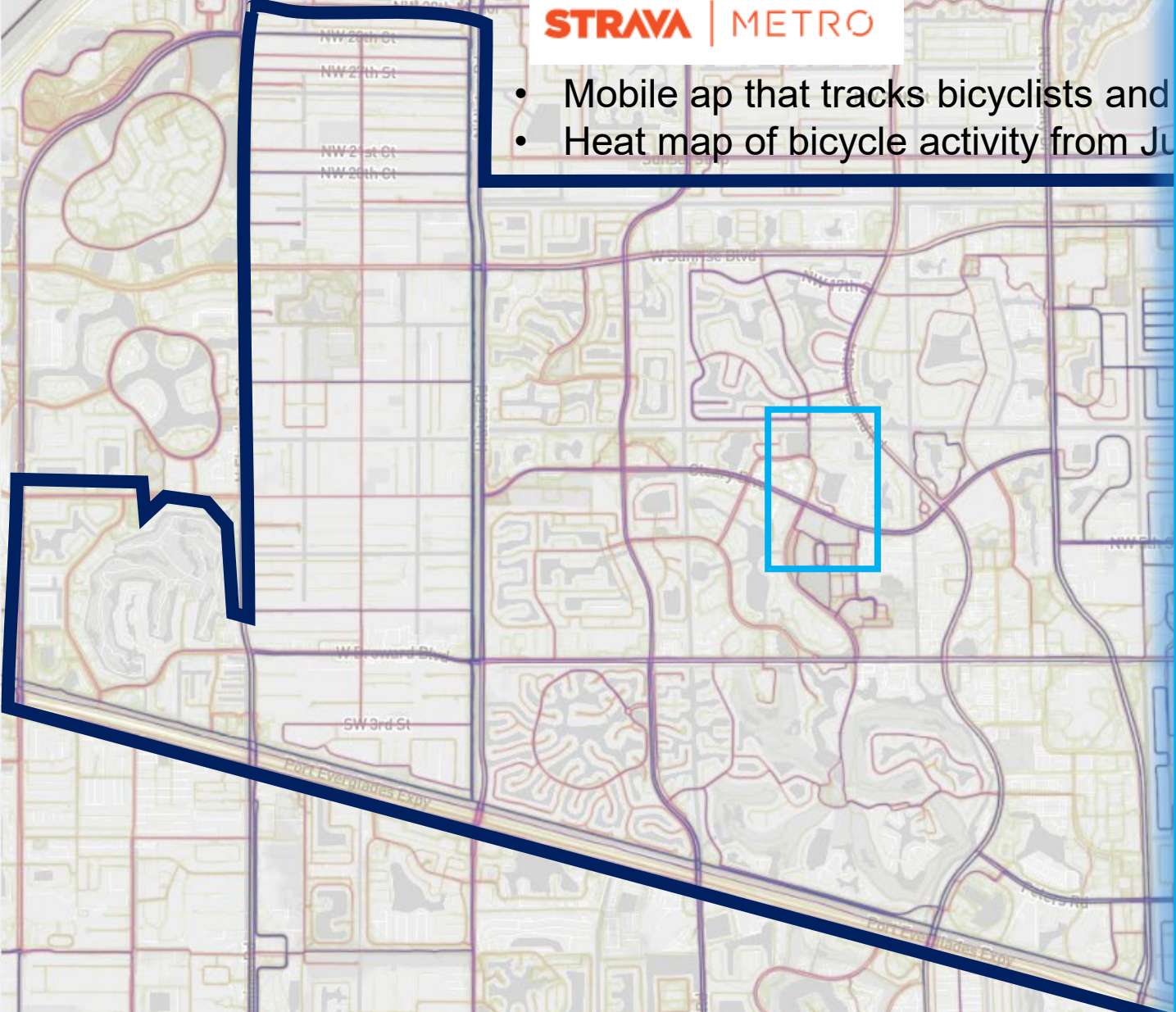
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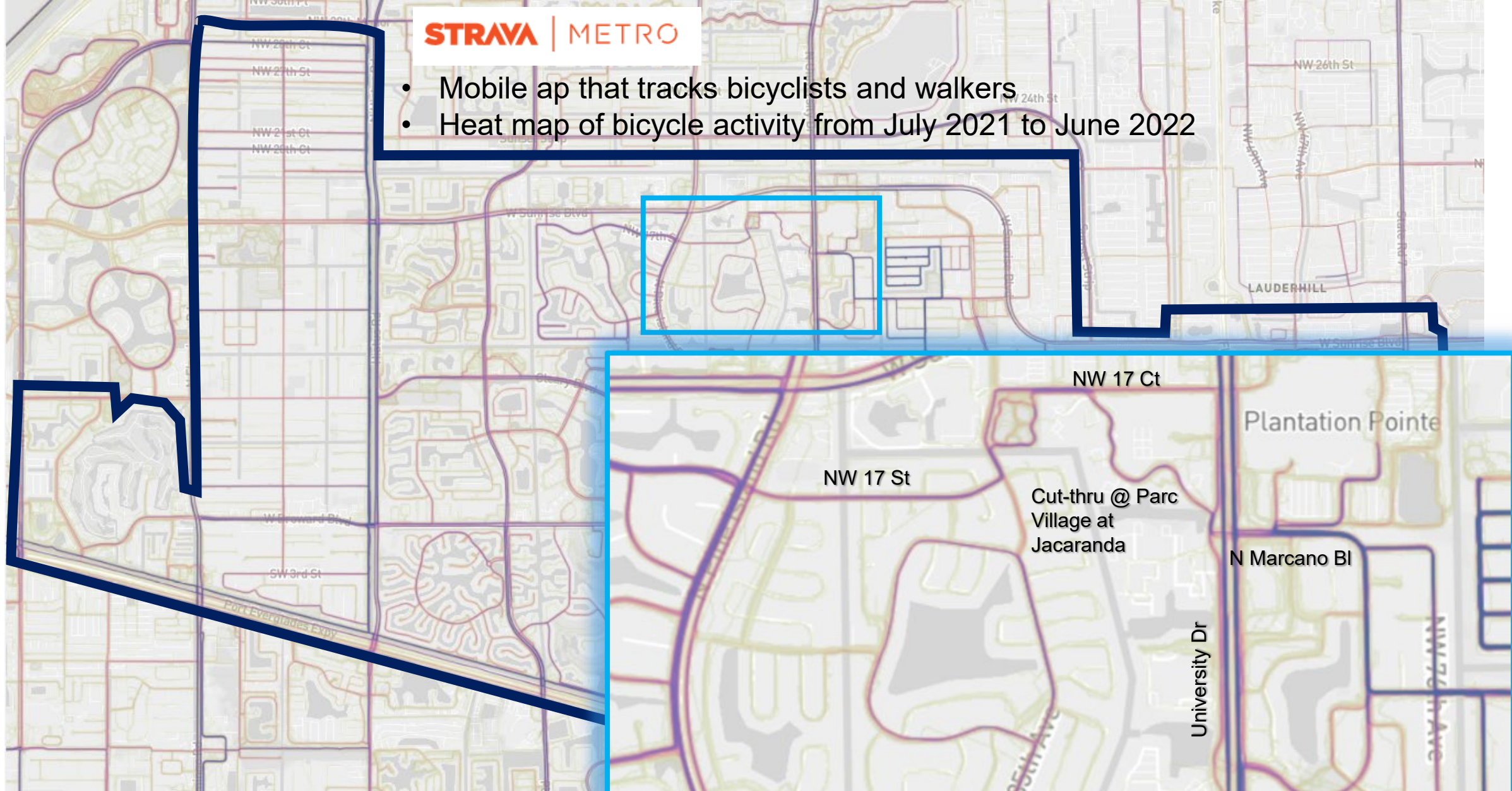
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Activity from July 2021 to June 2022



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- Heat map of bicycle activity from Ju



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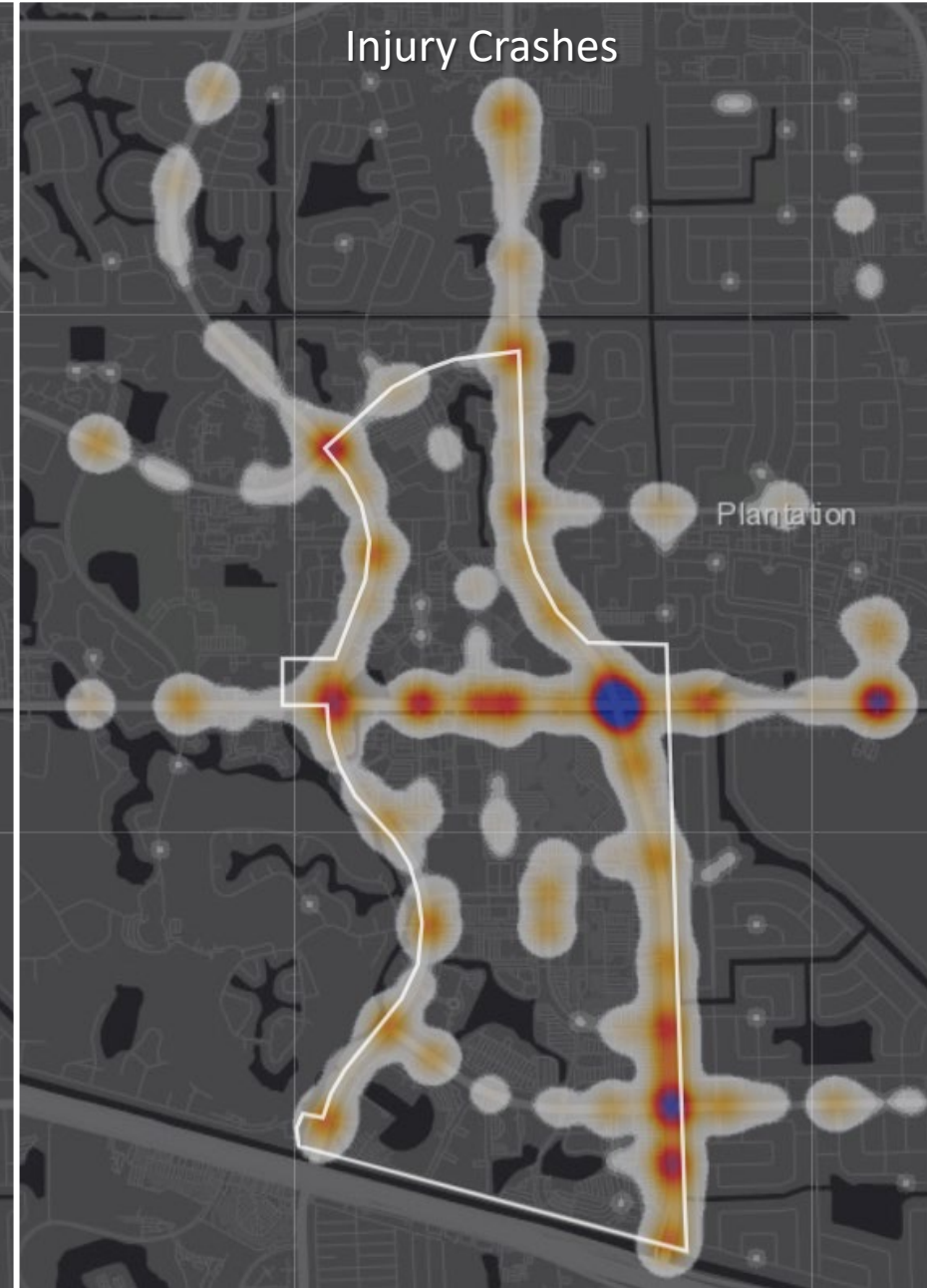
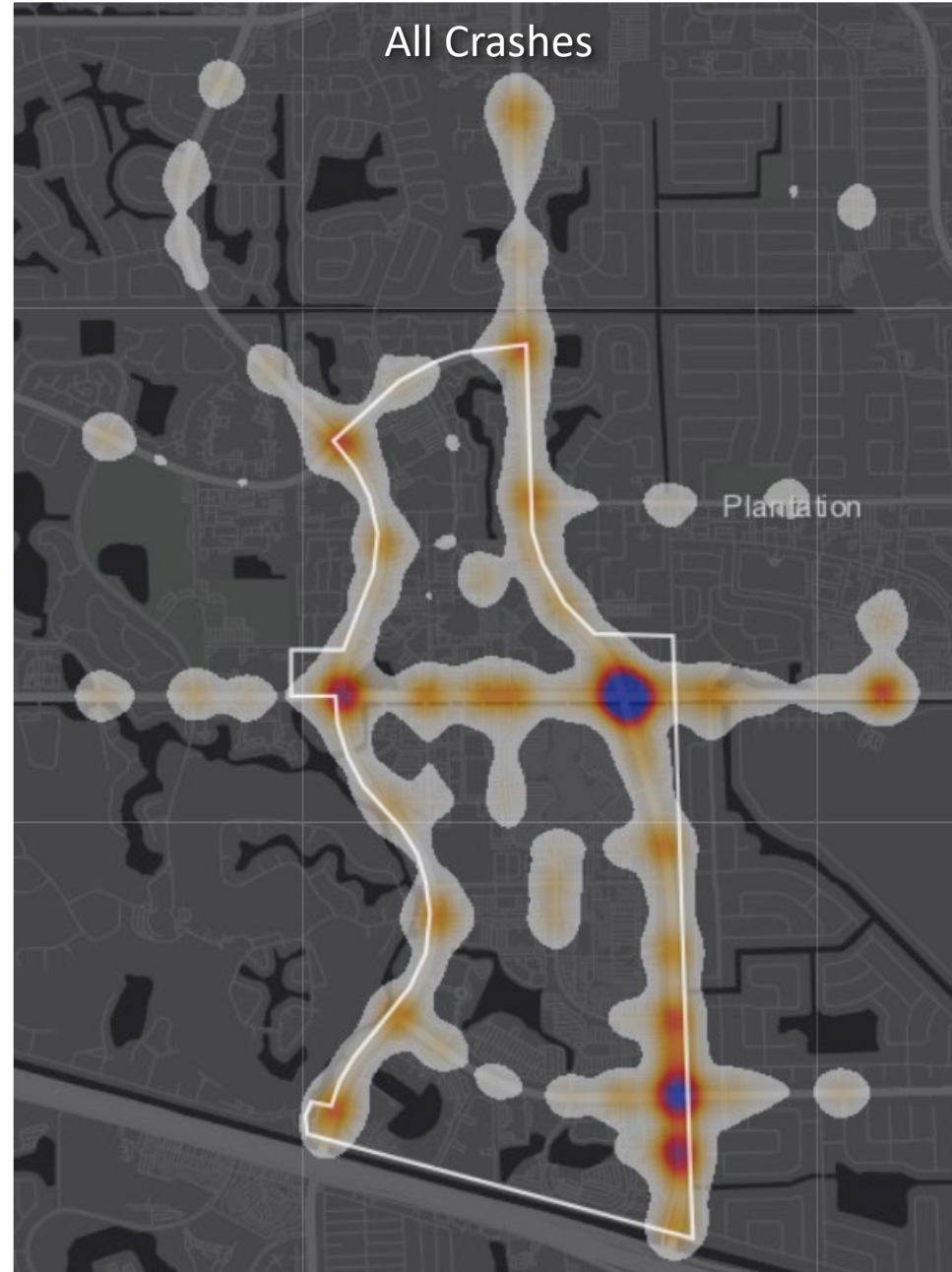
Midtown Connectivity:

Crashes (& Injuries)

Crashes within ½ mile of Midtown, from 2016 to 2021

- Starts at area *north of* SR 84
- Data trimmed to remove accidents in parking lots

● 5,549 crashes ● 42 Ped crashes
● 38 Bike crashes



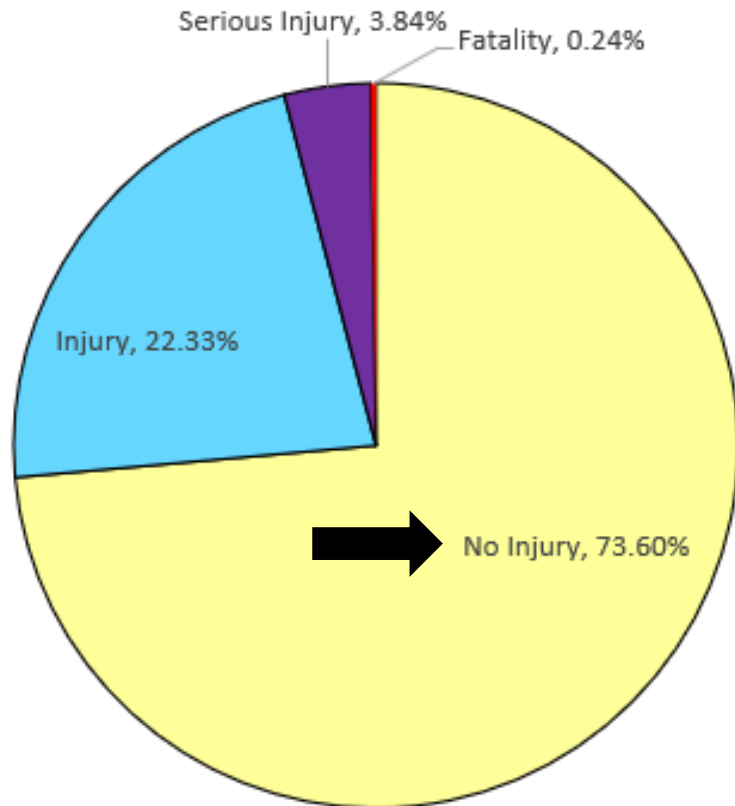
Midtown Connectivity: Crashes (& Injuries)

Crashes within 1/2 mile of Midtown, from 2016 to 2021

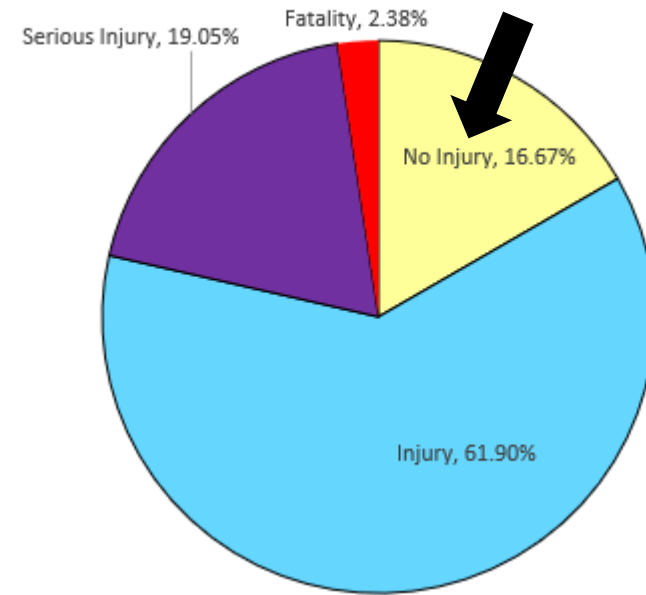
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- 38 Bike crashes

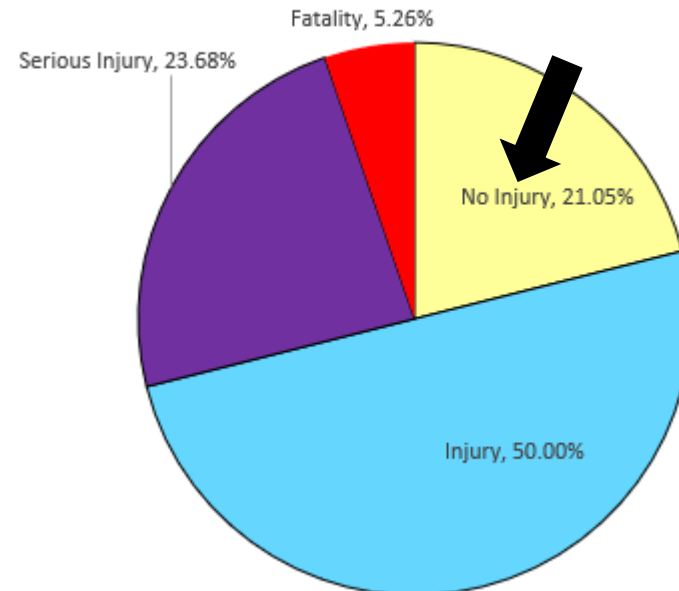
Crashes by Severity - Car Only



Crashes by Severity - Pedestrian Only



Crashes by Severity - Bicycle Only



Midtown Ped / Bike Crash Clusters / Trends



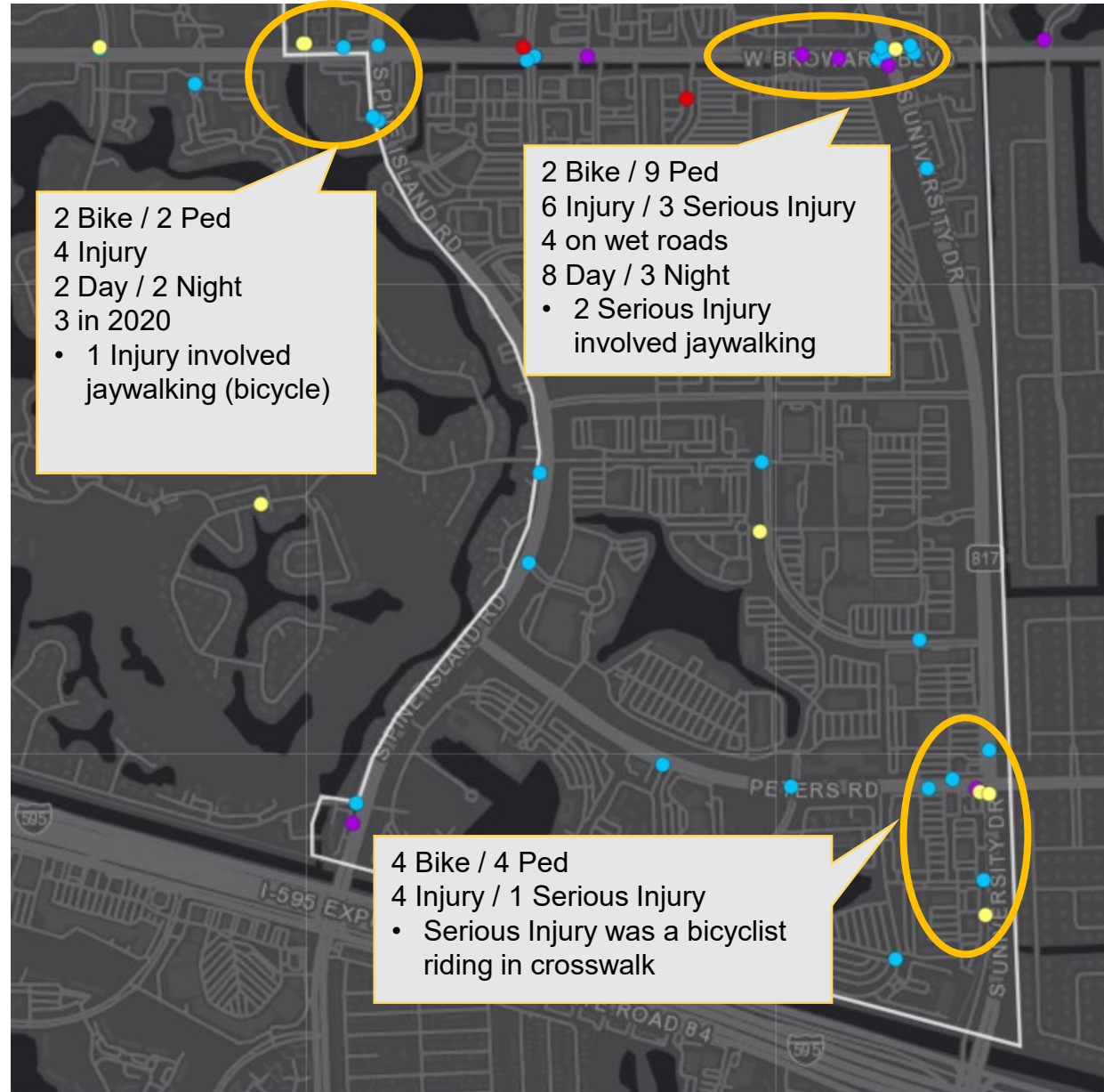
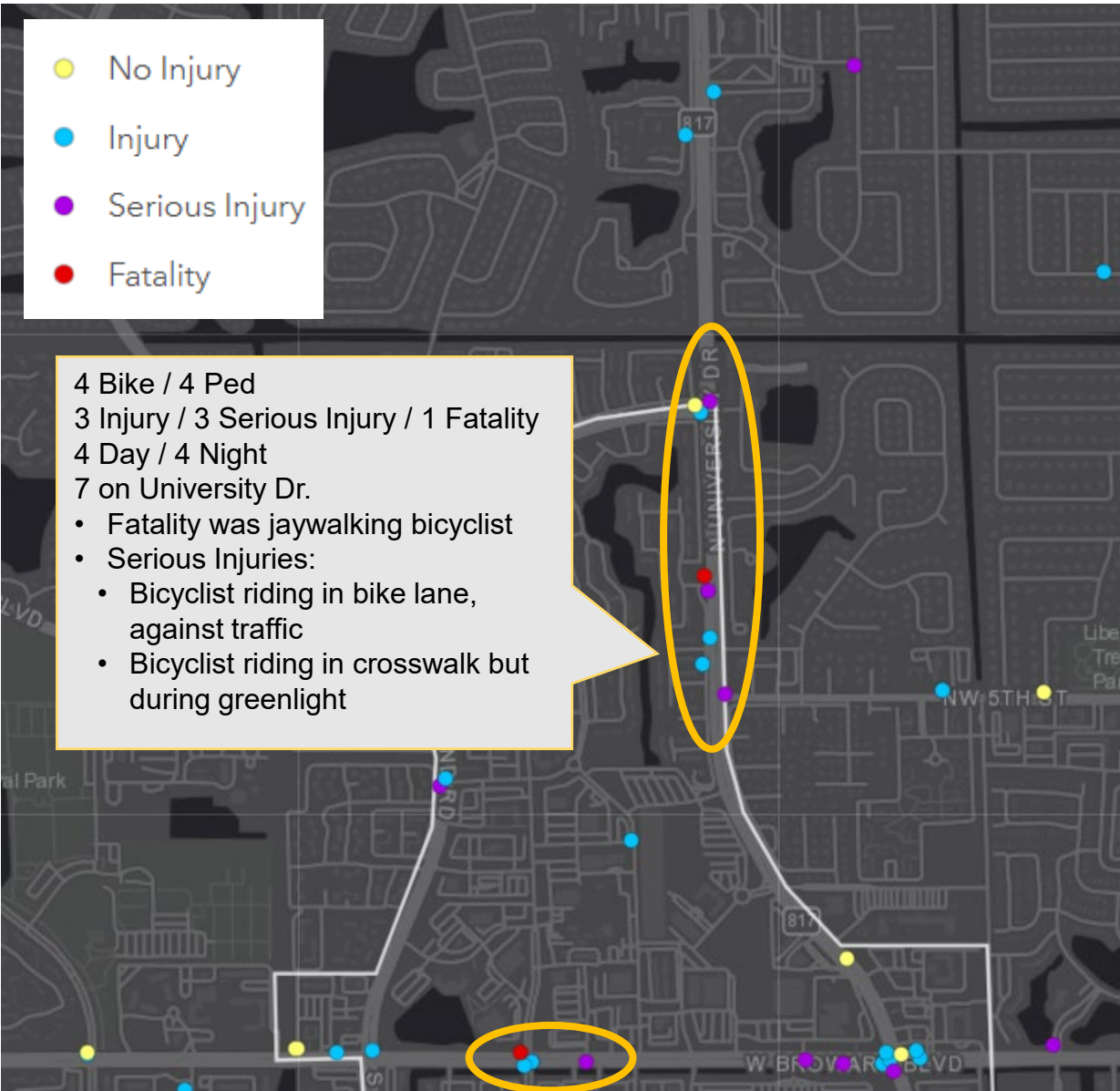
- No Injury
- Injury
- Serious Injury
- Fatality

4 Bike / 4 Ped
 3 Injury / 3 Serious Injury / 1 Fatality
 4 Day / 4 Night
 7 on University Dr.
 • Fatality was jaywalking bicyclist
 • Serious Injuries:
 • Bicyclist riding in bike lane, against traffic
 • Bicyclist riding in crosswalk but during greenlight

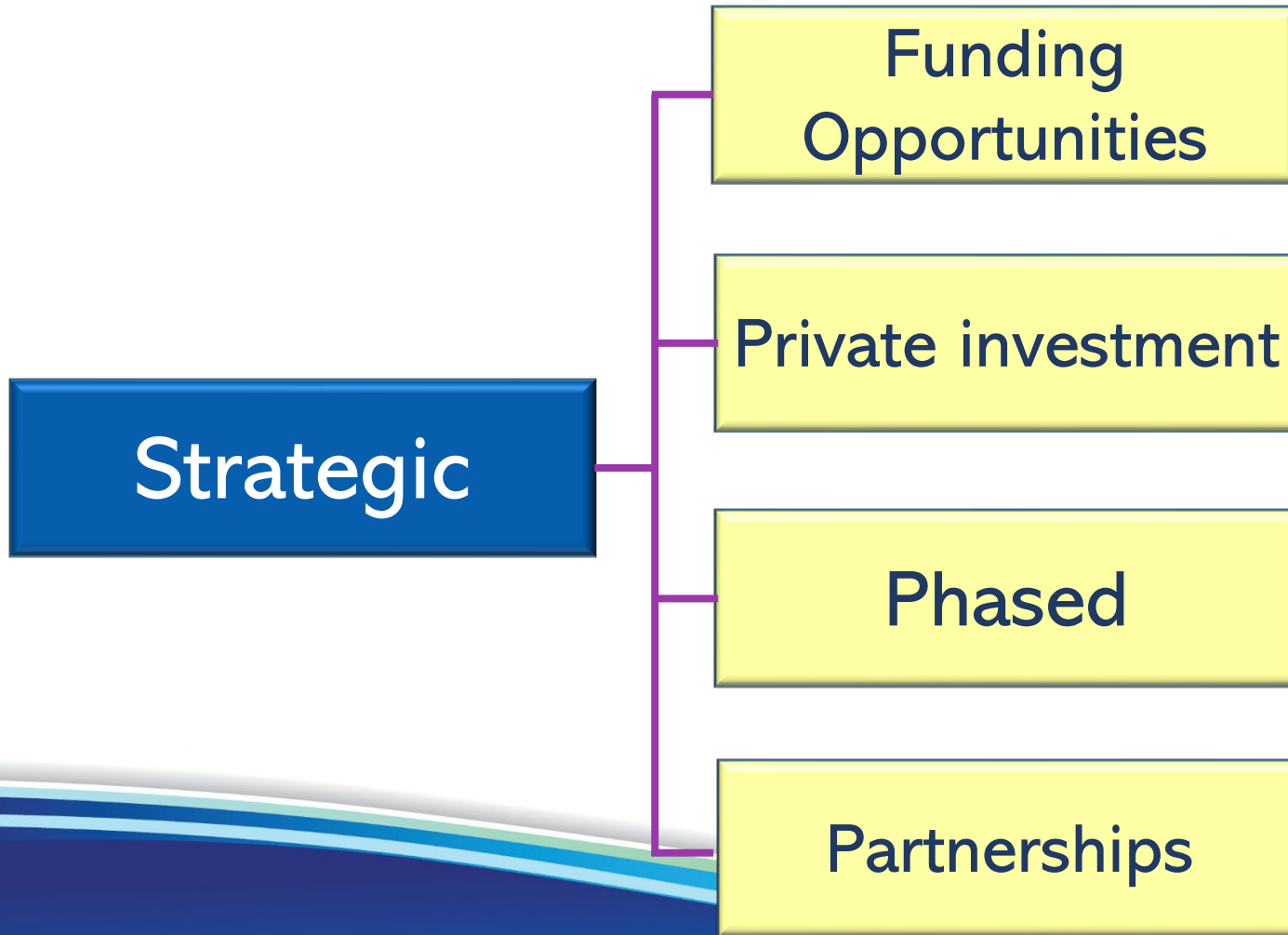
2 Bike / 2 Ped
 4 Injury
 2 Day / 2 Night
 3 in 2020
 • 1 Injury involved jaywalking (bicycle)

2 Bike / 9 Ped
 6 Injury / 3 Serious Injury
 4 on wet roads
 8 Day / 3 Night
 • 2 Serious Injury involved jaywalking

4 Bike / 4 Ped
 4 Injury / 1 Serious Injury
 • Serious Injury was a bicyclist riding in crosswalk



Task 4: Plan Theme #2

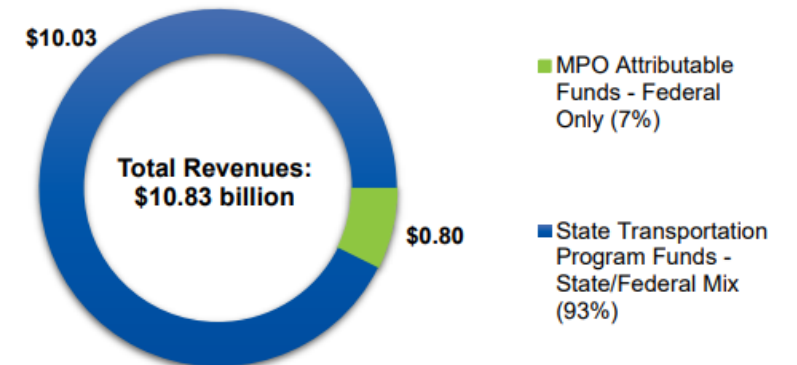


Florida Local Technical Assistance Program

Funding Information

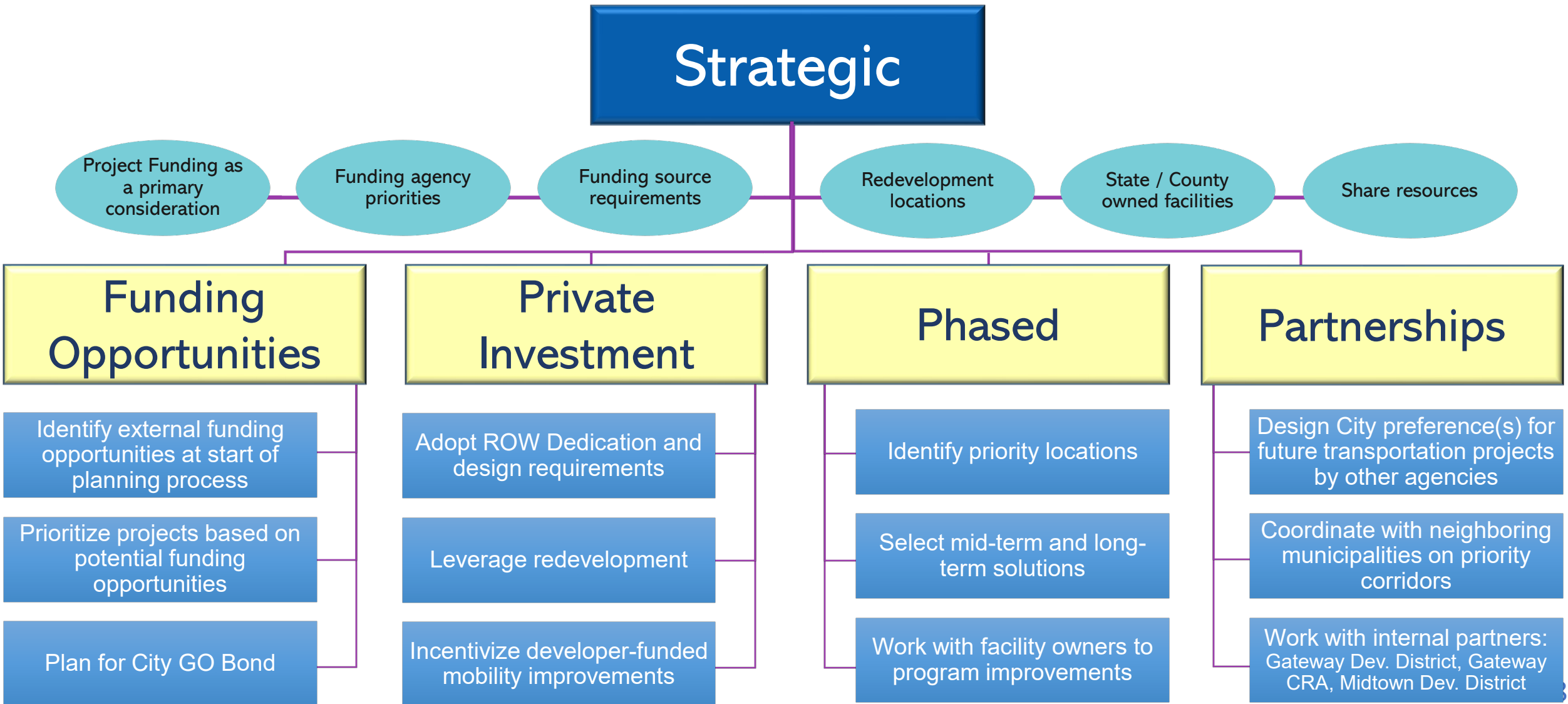
<https://floridaltap.org/funding-information/>

Figure ES- 1: 2045 MTP Revenues (\$ Billions, YOY)

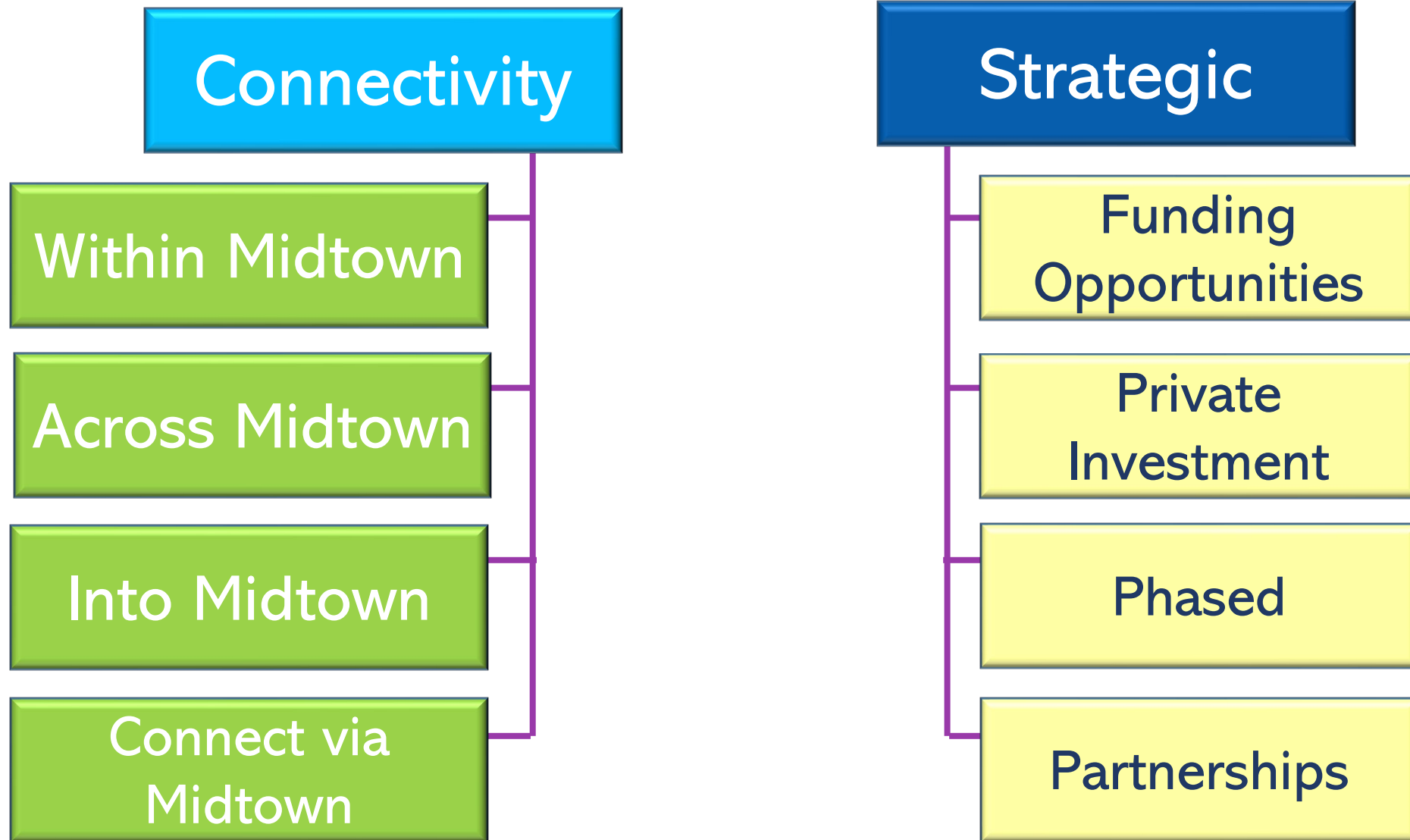


The \$10.8 billion in revenues is reflective of future year (Year of Expenditure) revenues that will be available for transportation based on inflation applied to current revenues.

Task 4: Plan Theme #2



Task 4: Plan Themes → Project Locations



Task 4: Plan Themes → Project Locations

Cleary Blvd, from University Dr to Hiatus Rd Greenway

County-Owned = Hiatus Rd & Pine Island Rd

State-Owned = University Dr

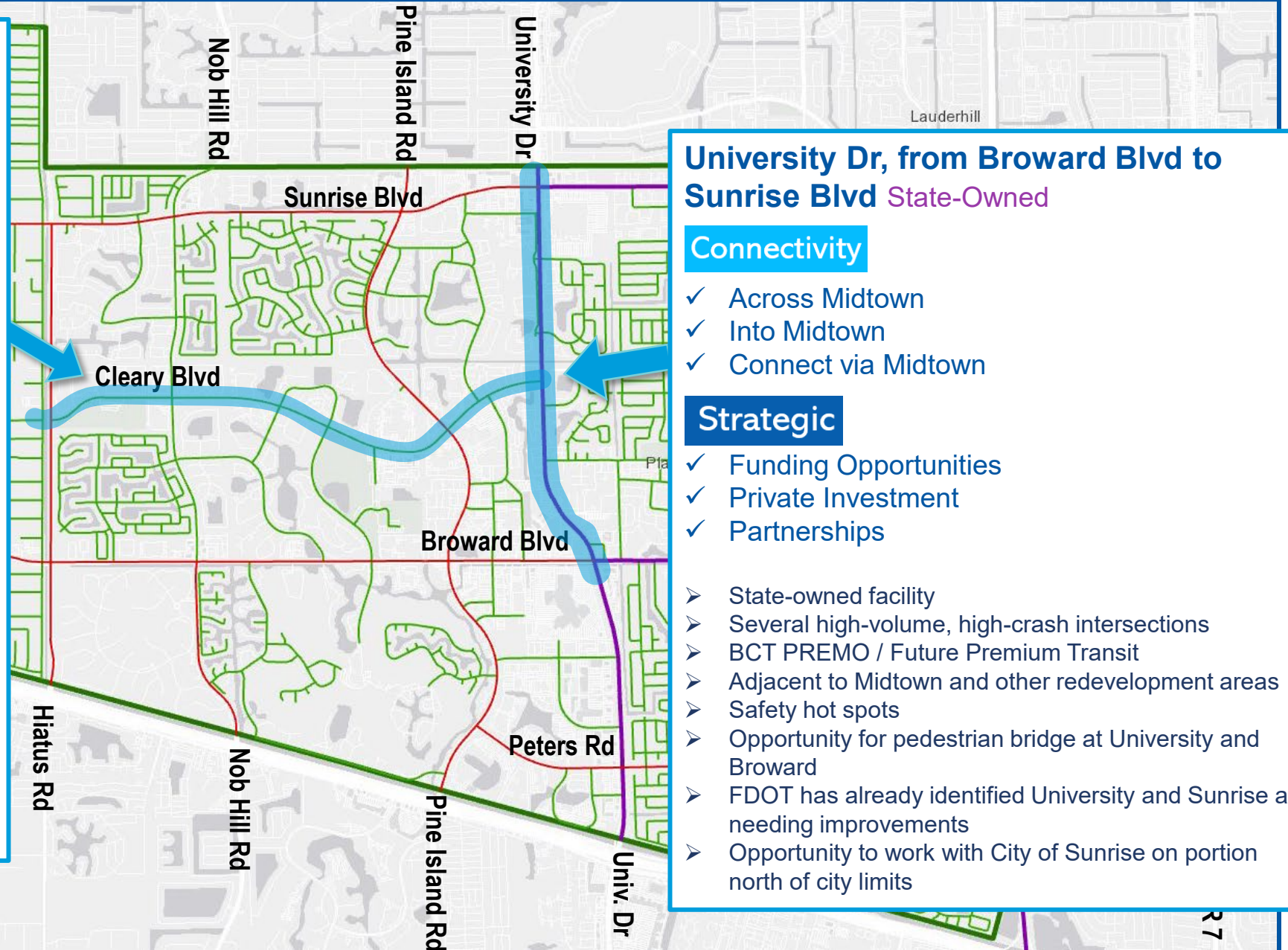
Connectivity

- ✓ Into Midtown
- ✓ Connect via Midtown

Strategic

- ✓ Funding Opportunities
- ✓ Private Investment
- ✓ Partnerships
- Adjacent to several community facilities, senior community, & public school.
- An entire Corridor
- County Surtax projects for Pine Island Rd and Hiatus Rd
- Community Support
- Most of roadway is under full City control
- Great opportunity for east-west connectivity

BC_City_Boundaries



University Dr, from Broward Blvd to Sunrise Blvd State-Owned

Connectivity

- ✓ Across Midtown
- ✓ Into Midtown
- ✓ Connect via Midtown

Strategic

- ✓ Funding Opportunities
- ✓ Private Investment
- ✓ Partnerships
- State-owned facility
- Several high-volume, high-crash intersections
- BCT PREMO / Future Premium Transit
- Adjacent to Midtown and other redevelopment areas
- Safety hot spots
- Opportunity for pedestrian bridge at University and Broward
- FDOT has already identified University and Sunrise as needing improvements
- Opportunity to work with City of Sunrise on portion north of city limits

Next Steps

Meeting #3:
Roadways
& Locations

Sep. 29

Consensus:

- Focus Roadways and Locations

Discuss:

- Field Audit plan
- Needs Assessment for Focus Roadways

Next Steps / Meeting #3:

- ✓ Start needs assessment for Task 4 roadways
 - Connectivity-Based Needs Assessment
 - Identify current / future pedestrian generators
 - Identify neighborhoods, destinations, trails, and other connection needs
 - Identify missing connectivity facilities
 - Identify sub-standard facilities
 - Safety-Based Needs Assessment
 - Identify crash trends / clusters
 - Identify pedestrian crash trends / clusters
- ✓ Prepare for Field Audits for Task 4 roadways



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MMTP Task 4

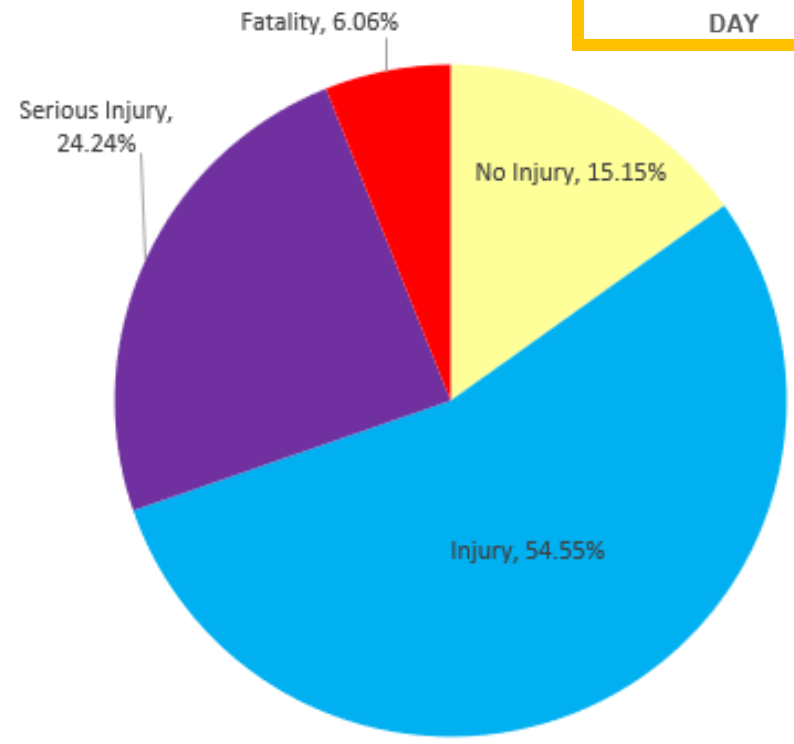
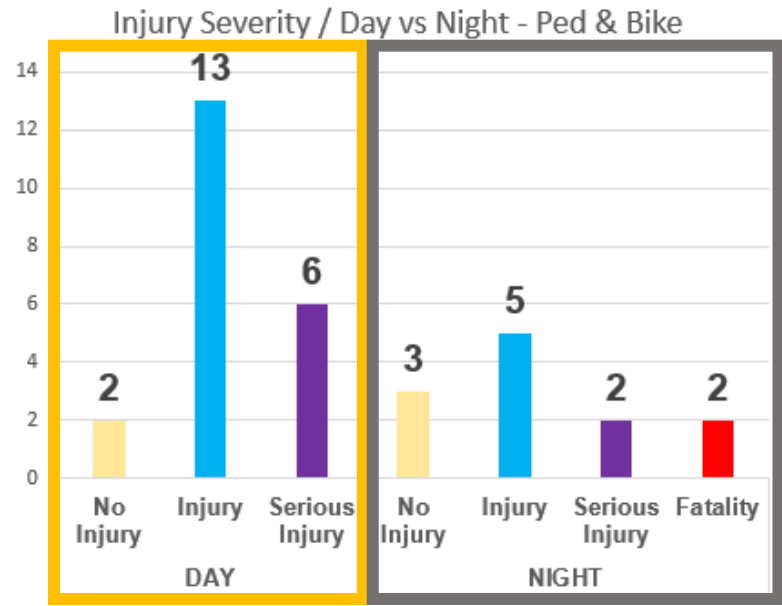
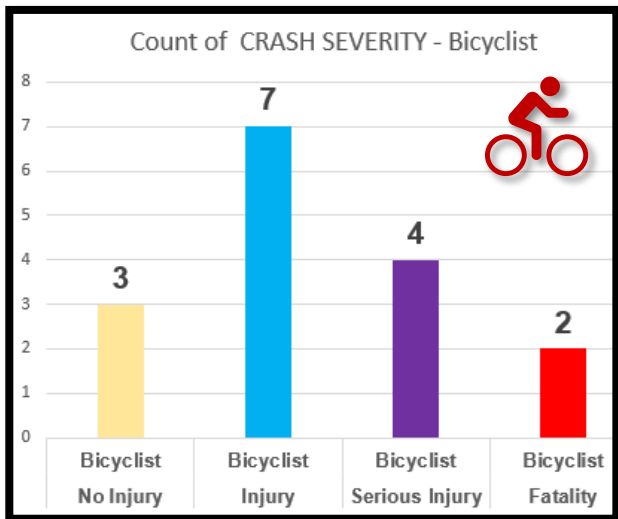
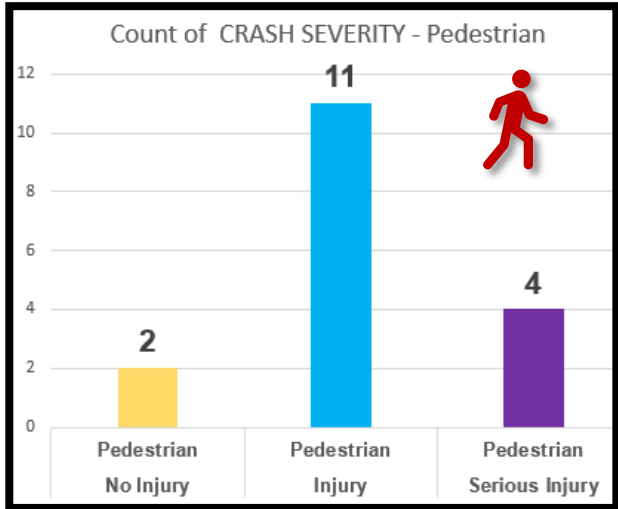
Mid / Long-term Improvements

Staff Working Group - Monthly Meeting

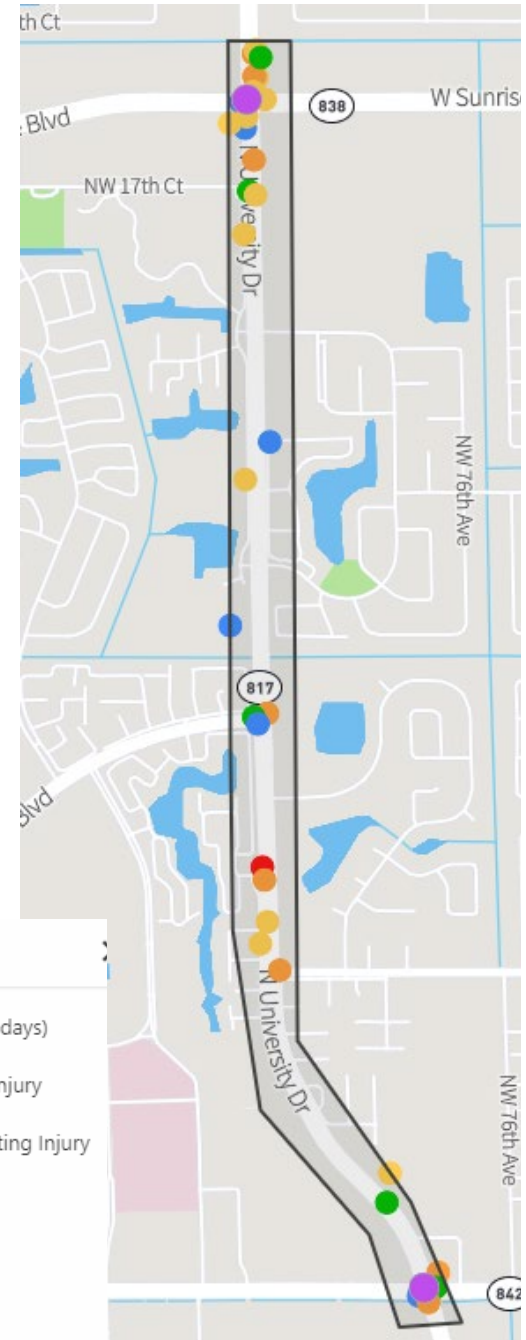
August 17, 2022

Ped / Bike Crashes University Dr Broward Blvd to north of Sunrise Blvd From 2016 to 2021

- Data trimmed to remove accidents in parking lots
 - 17 Ped crashes
 - 16 Bike crashes



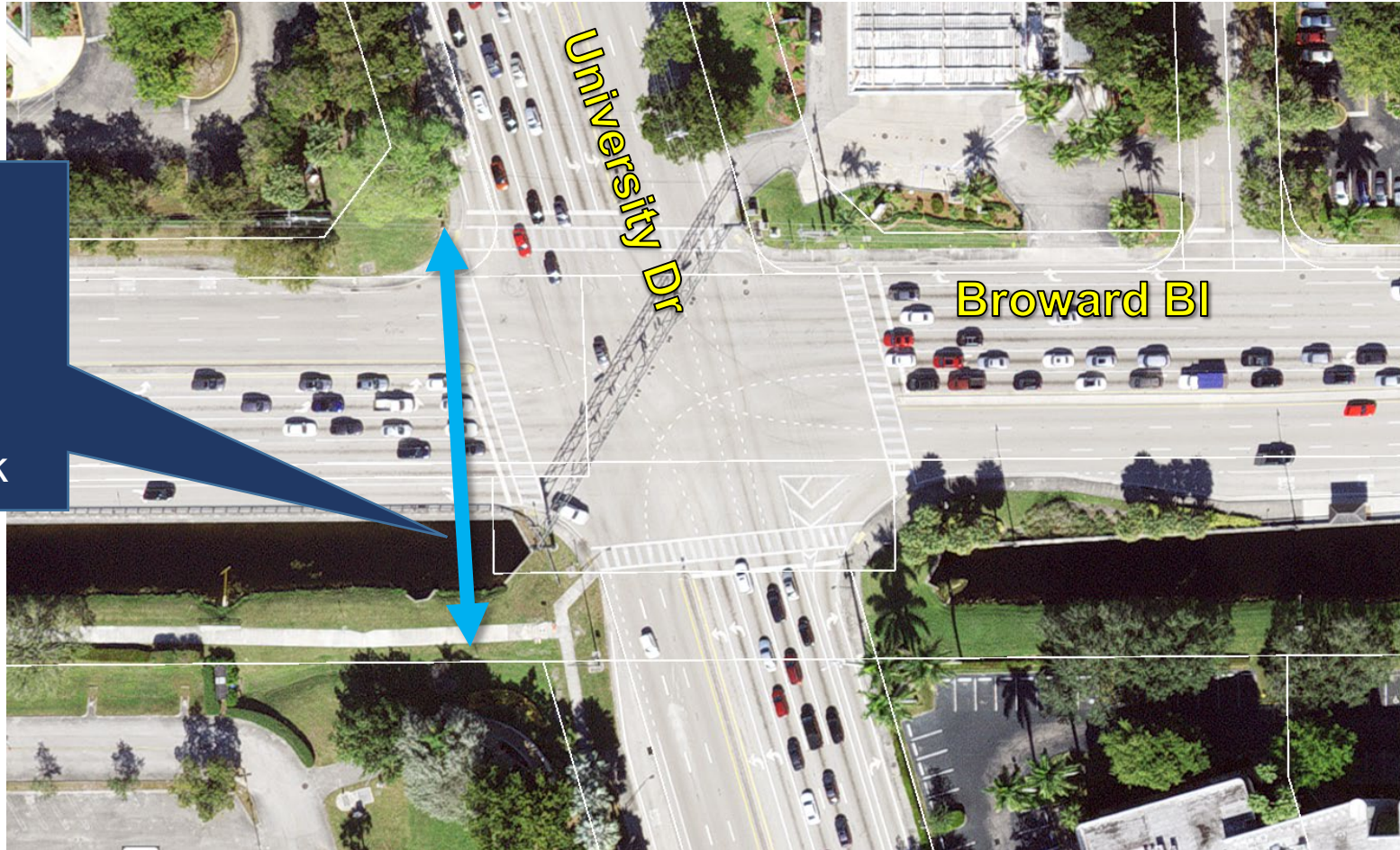
36% of all crashes happened at night, but 100% of fatalities happened at night



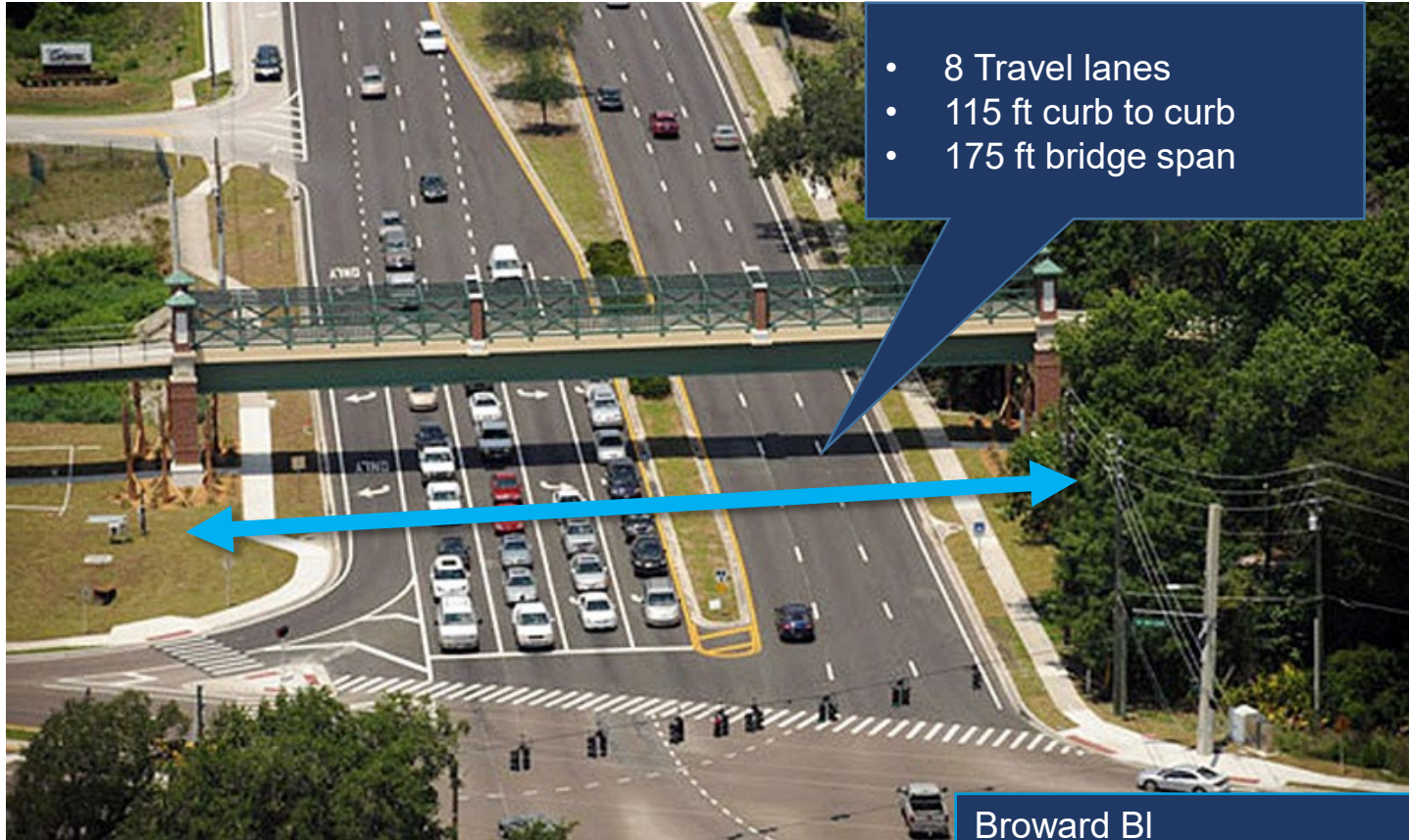
Broward BI & University Dr: Pedestrian Bridge Examples

Broward BI

- 9 Travel lanes
- 110 ft curb to curb
- ~210 ft from crosswalk to greenway sidewalk



Pedestrian Bridge: Red Bug Lake Road Cross Seminole Trail Overpass, Casselberry, FL



<https://www.google.com/maps/@28.6556512,-81.226873,3a,75y,160.97h,97.64t/data=!3m6!1e1!3m4!1s7WeEL7LnNSX9YobN48INXw!2e0!7i16384!8i8192?hl=en>

Broward Bl

- 9 Travel lanes
- 110 ft curb to curb
- ~210 ft from crosswalk to greenway sidewalk



Pedestrian Bridge: Colonial Drive Pedestrian Overpass, Orlando, FL



- 8 Travel lanes
- 115 ft curb to curb
- \$9.2 Million

<https://www.google.com/maps/@28.5532763,-81.3804052,3a,75y,261.33h,85.28t/data=!3m6!1e1!3m4!1sSviZ34J7w8RIZiUczn5u0A!2e0!7i16384!8i8192>

Broward Bl

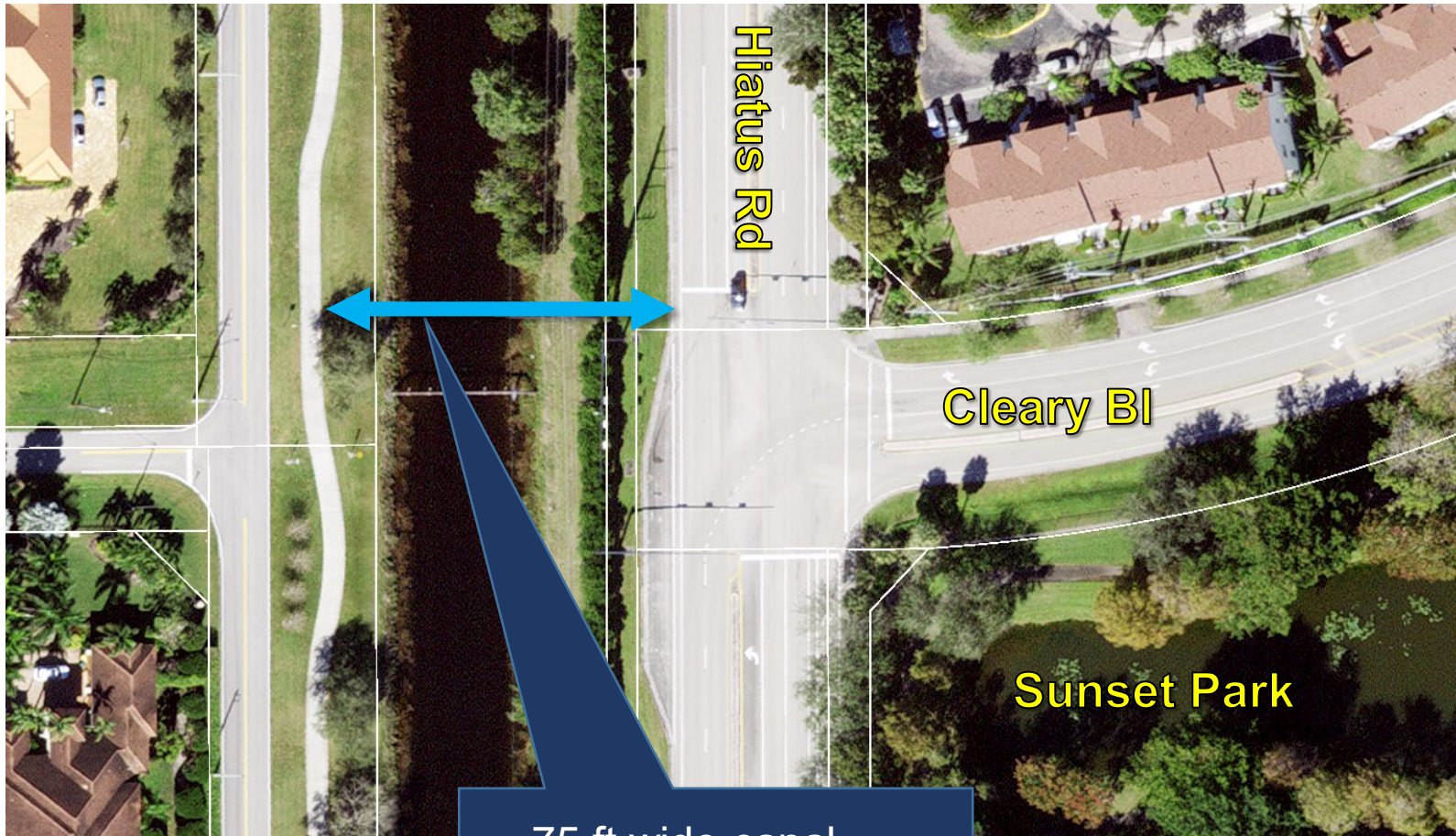
- 9 Travel lanes
- 110 ft curb to curb
- ~210 ft from crosswalk to greenway sidewalk



- Stairs to/from SR-50
 - Providing direct access to SR-50 from the bridge
 - Increasing connectivity with SR-50 sidewalks
 - Discouraging pedestrian crossing at grade
- Railings:
 - Single handrail at each side of bridge span



Cleary Bl @ Hiatus Rd Canal: Pedestrian Bridge Examples



- 75 ft wide canal
- 165 ft from curb to sidewalk



Pedestrian Bridge: Coco Plum Bicycle and Pedestrian Bridge, Coral Gables, FL



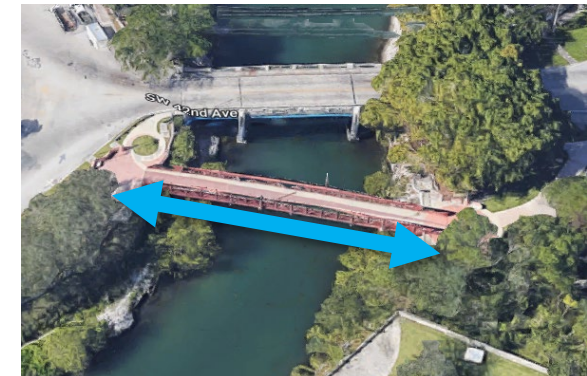
- 100 ft wide canal
- 163 ft bridge span



<https://www.google.com/maps/@25.7056904,-80.2607481,3a,75y,61.23h,80.16t/data=!3m6!1e1!3m4!1s96zdUZqjNow2Sm3fhGiWTQ!2e0!7i16384!8i8192>

Hiatus Rd Canal

- 75 ft wide canal
- 165 ft from curb to sidewalk



Sunrise Blvd / Panther Pkwy Adaptive Signal Control

Lauderhill

Pine Island Rd Fiber Optic Network

<https://bcgis.maps.arcgis.com/sharing/rest/content/items/e4cbb1140d4e4f569ba5899294549bae/data>

Hiatus Rd Lighting

Plantation Roadway Resurfacing

Plantation

Broward Blvd - Road Capacity Expansion

<https://bcgis.maps.arcgis.com/sharing/rest/content/items/15851edada1445268702580825460779/data>

Pine Island Rd Adaptive Signal Control

University Dr Adaptive Signal Control

Broward Estates

Pine Island Rd Corridor Pre-Design

Melrose Pa

<https://bcgis.maps.arcgis.com/sharing/rest/content/items/bc6f5ab31f3a4b6b92fb362cb1f8f85c/data>

Pine Island Rd Fiber Optic Network

Broadview Park

University Dr Adaptive Signal Control