

MAY 4TH 2021



STATEWIDE NON-MOTORIZED TRAFFIC MONITORING (NMTM) PROGRAM

Webinar #1 Program Overview & Continuous Counts Focus



HOUSEKEEPING

- Attendees are automatically muted throughout the webinar.
 - Click the ? To open the panel box and submit a question.
 - Answers to questions will be addressed by the panelists either verbally or in the question box towards the end of the session.
 - Webinars are being recorded and will be available with other materials on the Non-Motorized Traffic Monitoring Program website.
 - Please complete the follow-up survey that will be sent via email at the conclusion of this webinar.
-
- AICP CM credits offered for Planners that attend the session
 - You must attend the entire session to be eligible for the credit hours
 - All attendees will receive certificates via email soon after the webinar



GUEST HOST

- Ed Hutchinson, FDOT Transportation Data and Analytics (TDA) Office Manager



WHY IS NON-MOTORIZED DATA IMPORTANT TO TDA?

- The Florida Department of Transportation Office of Transportation Data and Analytics (TDA) began the development of a Non-Motorized Traffic Counting Program in May 2018 with a need to provide bicycle and pedestrian (Non-Motorized) volume and supporting statistics and information to new and existing data customers. The intent of developing the non-motorized data program is similar to motorized traffic volume data in that non-motorized data can be used for all the same types of analyses such as safety studies, planning and programming FDOT facilities, pavement and trail maintenance, etc.



WELCOME FROM THE SECRETARY

Atlantic Greenway Trail
Miami Beach, FL



Kevin J. Thibault, P.E.

FDOT SECRETARY



AGENDA

- Program Update
 - Short-term counts
 - Continuous counts
 - Data Repository
 - Outreach
- Continuous Counts
 - City of Gainesville
 - Miami-Dade TPO
 - Key West Demo - STS

FDOT Statewide Non-Motorized Traffic Monitoring Program
2021 STATEWIDE ANNUAL MEETING
 WEBINAR SERIES

TUESDAY MAY 04
 11:00AM - 12:00PM (Eastern Time Zone)

WEBINAR #1:
 NMTM Program Update / Continuous Counts focus
 Click [HERE](#) to attend

11:00 AM FDOT TRANSPORTATION DATA AND ANALYTICS (TDA) GREETING
 Ed Hutchinson, Transportation Data and Analytics Office Manager

11:05 AM VIDEO GREETINGS FROM THE FDOT SECRETARY
 Secretary Kevin J. Thibault

11:10 AM NMTM PROGRAM UPDATE
 Joey Gordon, TDA QC Supervisor
 Liz Stolz, MARLIN Engineering
 Jackie Masaki, MARLIN Engineering
 Eric Katz, NMTM Coordinator

11:30 AM CONTINUOUS COUNTS FOCUS
 Scott Wright, City of Gainesville
 Kevin Walford, Miami-Dade TPO
 Terry Robinson, Southern Traffic Services

11:50 AM QUESTIONS

12:00 PM CLOSING VIDEO FROM FDOT TDA/DESIGN
 DeWayne Carver, Complete Streets Program Manager
 Mary O'Brien, Statewide Bicycle/Pedestrian Coordinator
 Eric Griffin, TDA Field Operation Manager

WEBINAR PARTNERS
 TP Miami-Dade Transportation Planning Organization
 CITY OF GAINESVILLE every path starts with passion FLORIDA
 STS Southern Traffic Services

FDOT Traffic Monitoring Division

QUESTIONS? Please e-mail Eric.Katz@dot.state.fl.us or Joey.Gordon@dot.state.fl.us



WEBINAR 1: PANEL 1



*Liz Stolz, MDA
Director of Traffic Data Programs,
Marlin Engineering Inc.*



*Joey Gordon, FCCM
Traffic Data Analysis Supervisor,
FDOT Transportation Data and
Analytics Office*



*Jackie Masaki, PhD
Transportation Technology
Specialist, Marlin Engineering Inc.*

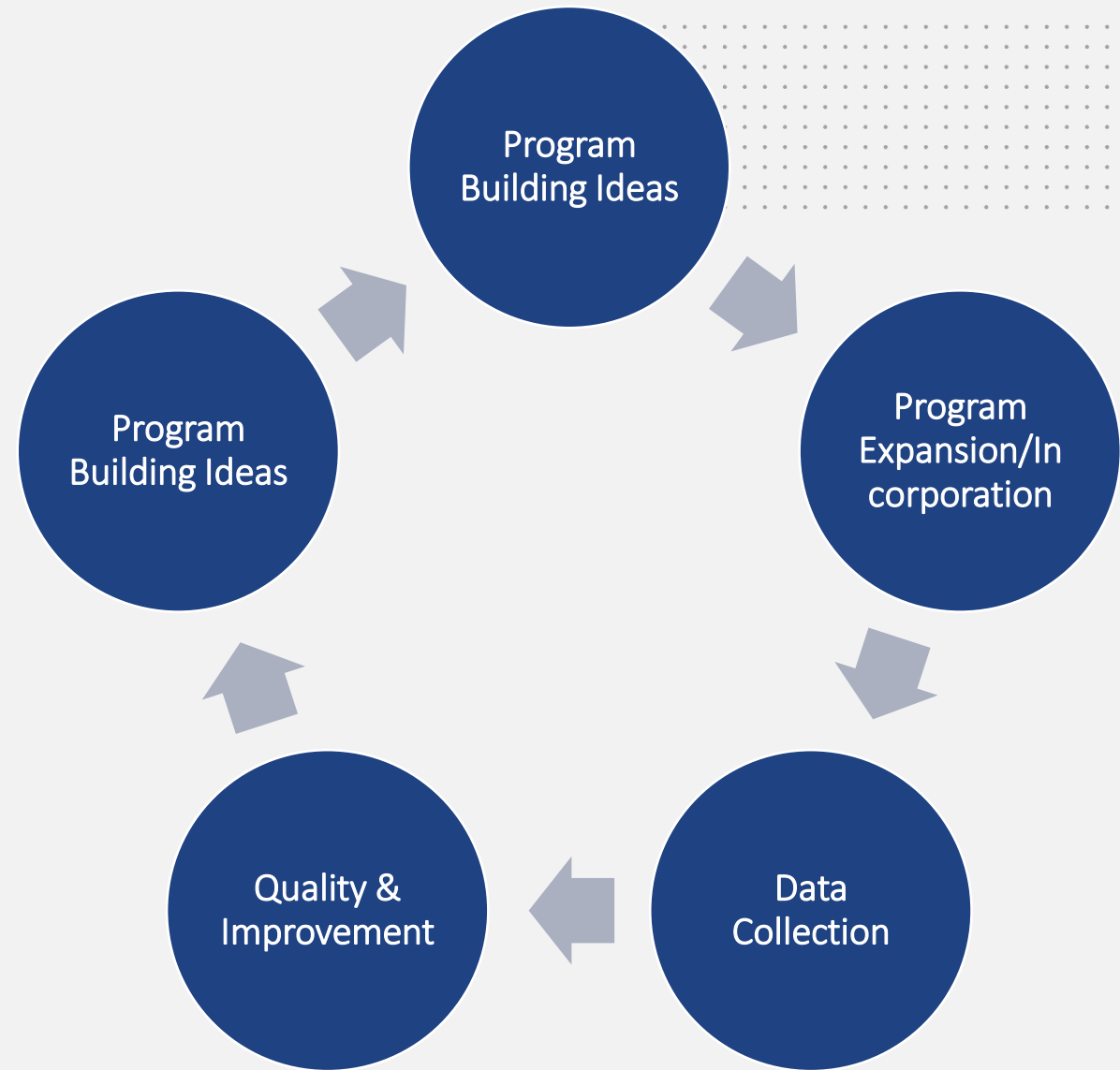


*Eric Katz, AICP
FDOT Statewide Non-Motorized
Traffic Monitoring Program
Coordinator (In-house consultant),
Marlin Engineering Inc.*



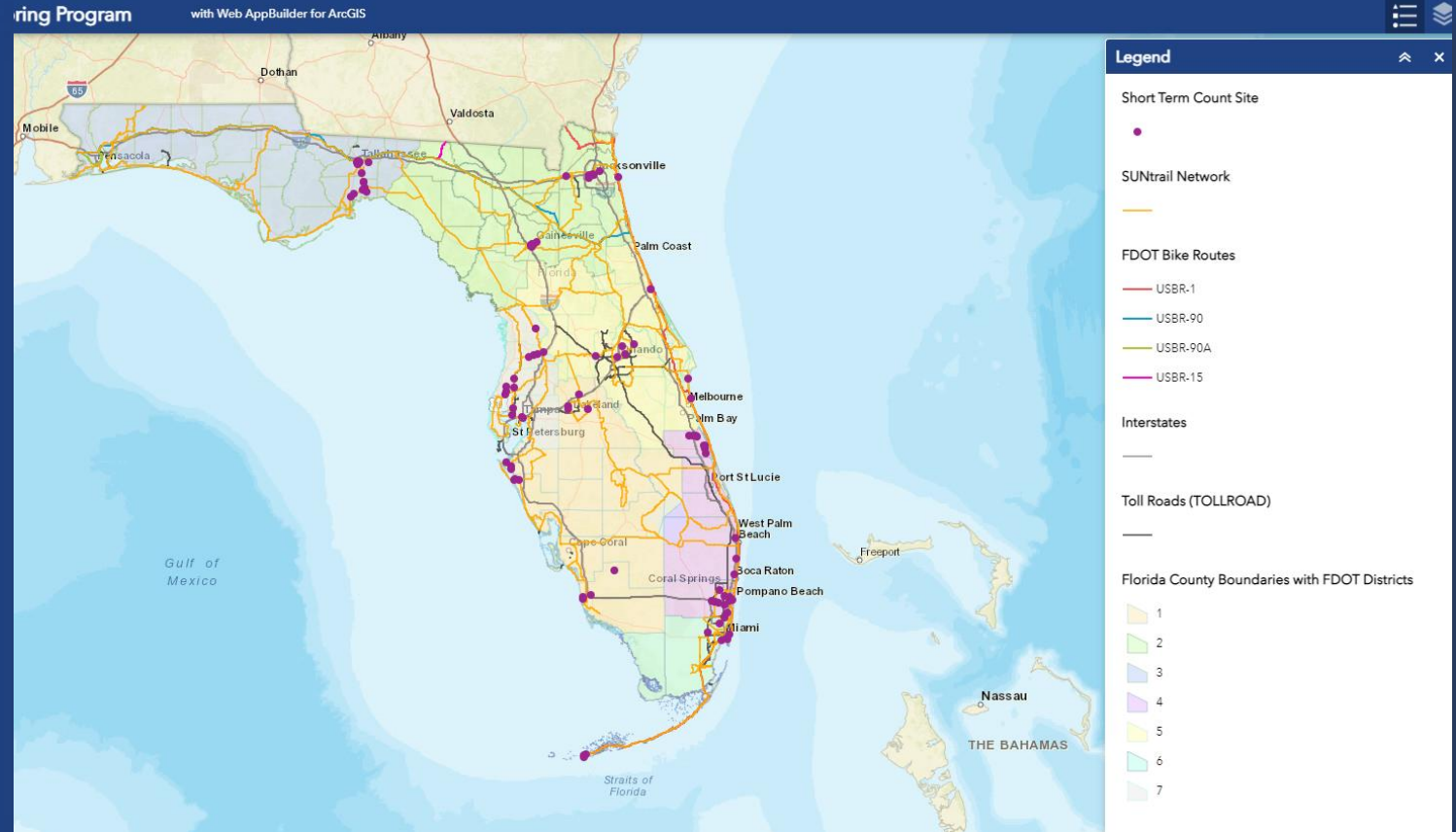
HOW WE GOT HERE...

- Year 1 - 2
 - Program Building
 - Program Expansion/Incorporation
- Year 3 – 4
 - Collecting Data
 - Quality and Improvement
- Year 5
 - Program Maintenance



SHORT-TERM COUNTS

- Loaner Program + Transit Study =
 - 120 count stations
 - Tubes, Infrared, Smart Cameras utilized
 - All 7 Districts
 - 25 agencies directly involved in deployments



SHORT-TERM COUNT 2021/2022 CALENDAR

- On-Peak

- September 2021 – District 2
- October 2021 – District 3
- November 2021 – District 4
- December 2021 – District 6/D1 South
- January 2022 – District 5/D1 North
- February 2022 – District 7/D1 NW

- Off-Peak

- March 2022 – District 2
- April 2022 – District 4
- May 2022 – District 6/D1 South
- June 2022 – District 3
- July 2022 – District 5/D1 North
- August 2022 – District 7/D1 NW



SITE SELECTION COUNTS CRITERIA

- Current Selection Criteria

- On-System
- SUN Trail Facility
- Safety's Top 25 counties
- Bike/Ped crash cluster zone
- Anticipated Factor Group
- Anticipated traffic volumes
- Anticipated equipment
- Evaluated by TDA
- Local Agency Support
- Historical Traffic Data
- TDA Short-term

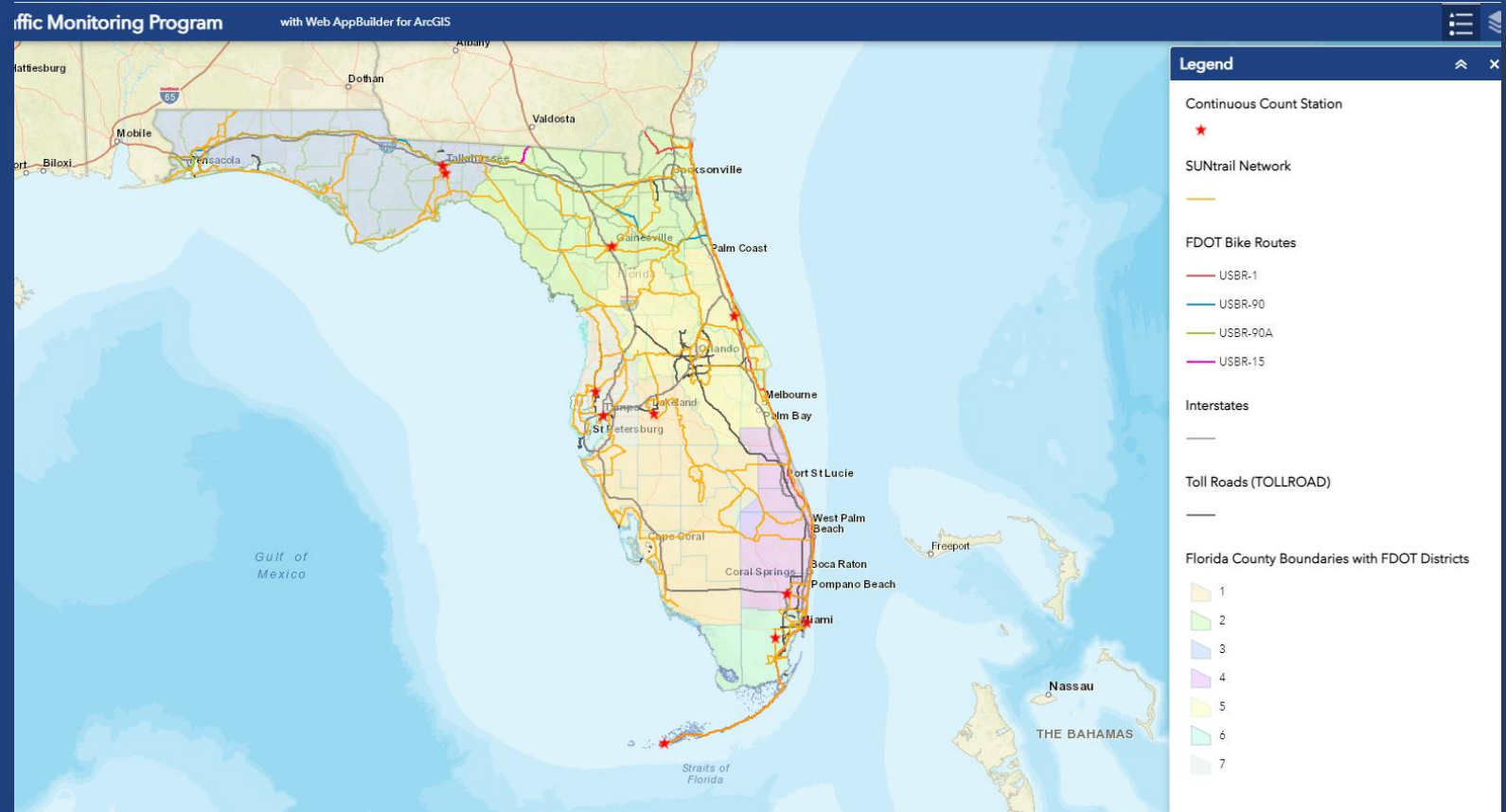
- Potential New Additional Criteria

- Level of Service
- Level of Traffic Stress
- Traffic Analysis Zone
- School Zone
- Context Classification
- Adjacent Bus Stop
- Adjacent Bus hub/Train Station
- US Bike Route
- Zero Car households
- ???



CONTINUOUS COUNTS

- Completed STIC Grant installations
- Validating existing sites with smart camera validation
- Develop Maintenance schedules
- On-going Data QA/QC
- On-going Data analyses



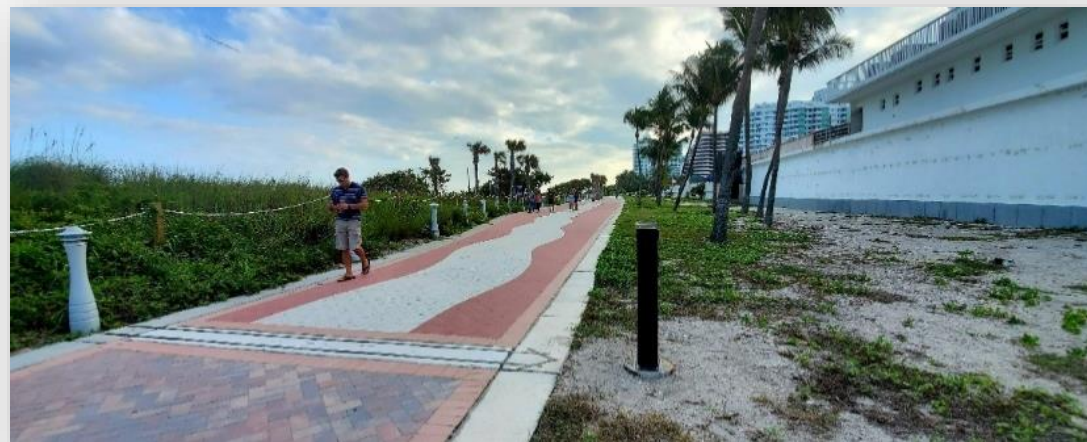
CONTINUOUS COUNT EQUIPMENT



Q-Free Overhead passive infrared with piezo strips



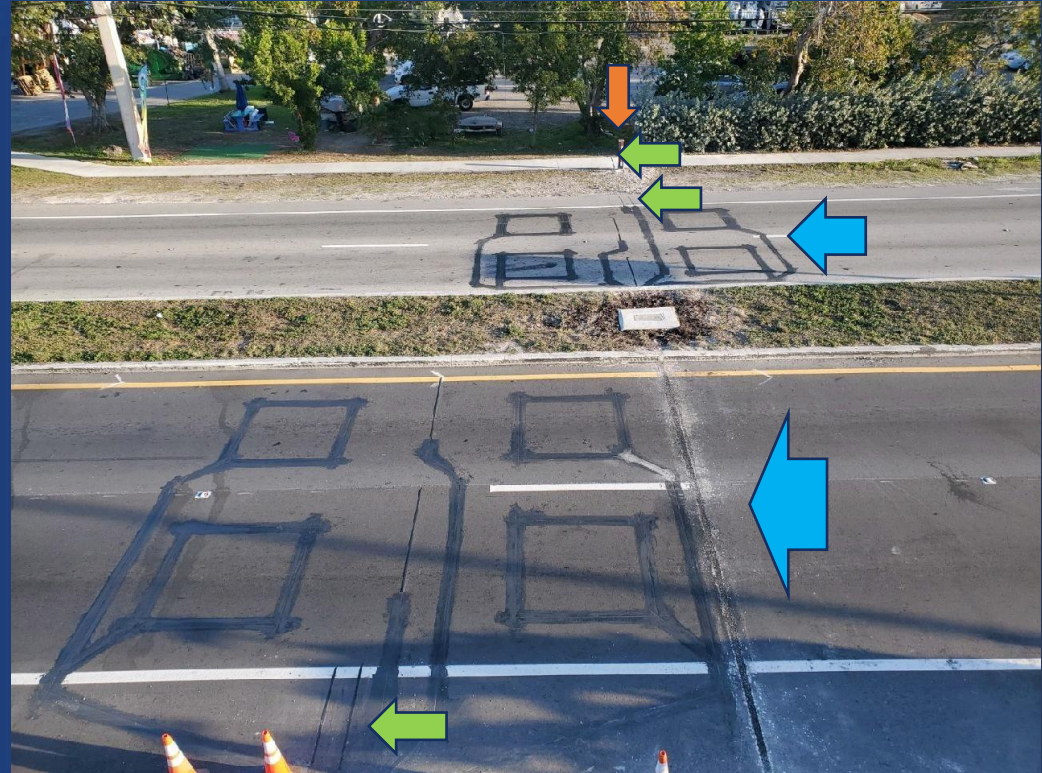
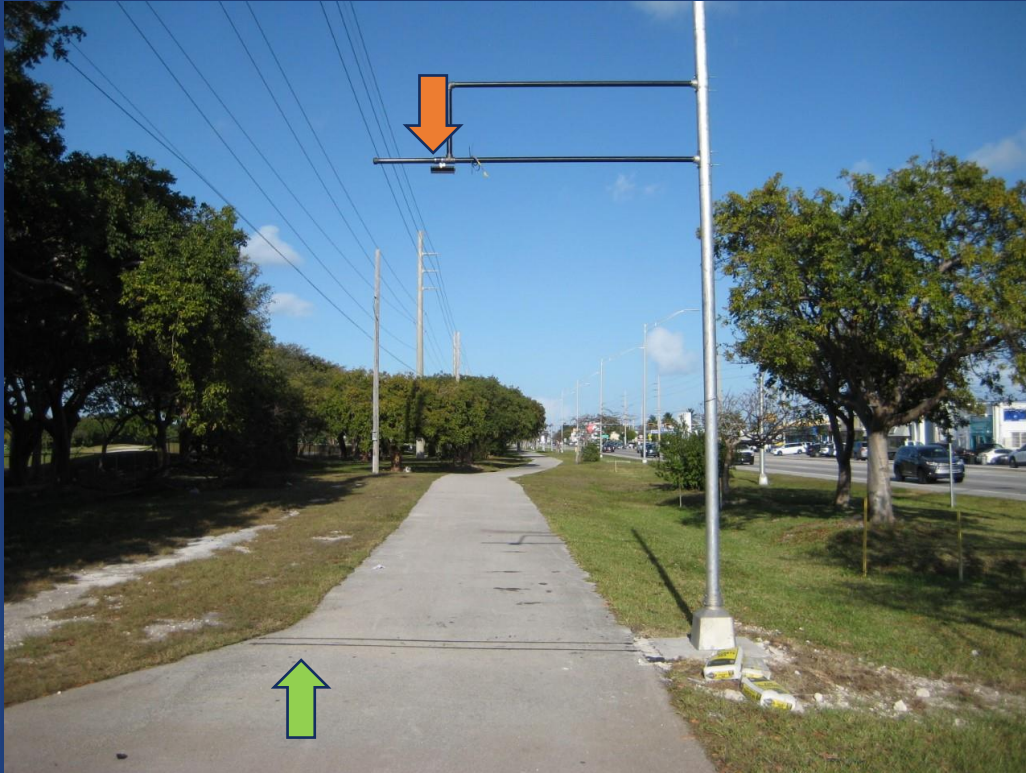
Eco-Counter side detection passive infrared with loops




Q-Free side detection passive infrared with piezo strips



NEW KEY WEST MULTI-MODAL TTMS SITE



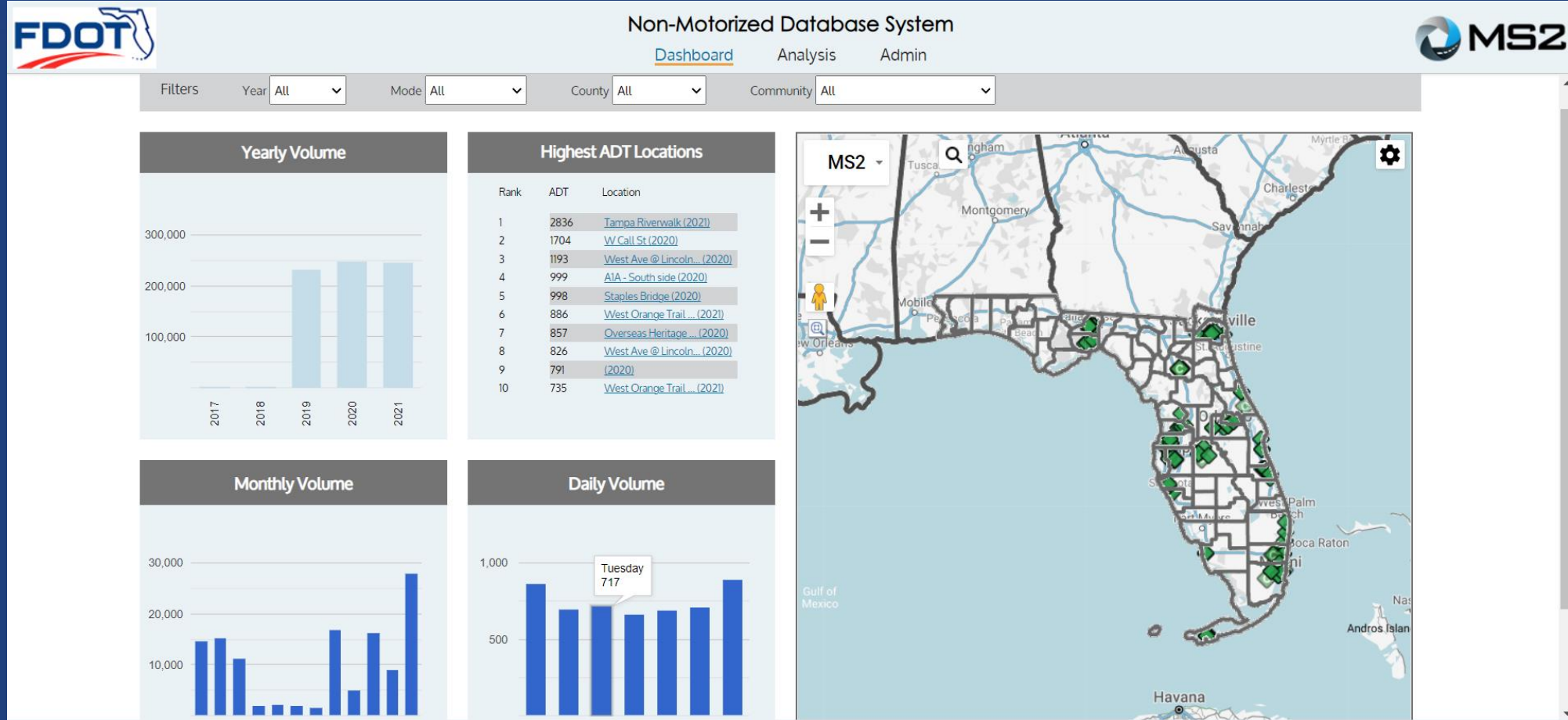
 Bike counter  Pedestrian + bike counter

 Cars and Truck counter




NON-MOTORIZED DATABASE SYSTEM (NMDS)

<https://fdot.ms2soft.com/tdms.ui/nmds/dashboard?loc=fdot>




DATABASE OVERVIEW



Non-Motorized Database System

[Dashboard](#)
[Analysis](#)
[Admin](#)



Filters Year All Mode All County All Community All

Yearly Volume

Year	Volume
2017	~10,000
2018	~10,000
2019	~15,000
2020	~35,000
2021	~25,000

Highest ADT Locations

Rank	ADT	Location
1	2836	Tampa Riverwalk (2021)
2	2053	789 Bridge East (2021)
3	1704	W Call St (2020)
4	1567	Gordon River at Ba... (2020)
5	1450	Atlantic Greenway ... (2020)
6	1193	West Ave @ Lincoln... (2020)
7	1159	West Orange Trail ... (2021)
8	999	AIA - South side (2020)
9	998	Staples Bridge (2020)
10	920	Gordon River at Ba... (2020)

Monthly Volume

Month	Volume
Jan	~15,000
Feb	~30,000
Mar	~10,000
Apr	~10,000
May	~45,000
Jun	~40,000
Jul	~35,000
Aug	~15,000
Sep	~10,000
Oct	~15,000
Nov	~10,000
Dec	~45,000

Daily Volume

Day	Volume
S	~950
M	~800
T	~800
W	790
T	~850
F	~750
S	~1000

Map data ©2021 Google, INEGI 100 km Terms of Use



DATABASE OVERVIEW

Non-Motorized Database System
 Dashboard Analysis Admin

Quick Search
Advanced Search

Location ID

County

Community

Counts Year

Search

Results

Filter:

<input checked="" type="checkbox"/>	Location Id	Located On	Latest Count Date
<input checked="" type="checkbox"/>	55N001	St. Marks Trail @ J. Lewis Park	10-23-2020

Showing 1 to 1 of 1 entries Previous 1 Next

Reports

Name	Start Date	End Date
<input type="text" value="Bike Volume By Month For Year"/>	<input type="text" value="1/1/2021"/>	<input type="text" value="12/31/2021"/>

Run Report

MS2

Location ID: 55N001
 Community: Tallahassee
 Latest Count Date: 10/23/2020
 Latest Count Total: 155
[View location detail](#)

Details

Location
Count

Path	Travel Directions
<input checked="" type="checkbox"/> Trail	<input checked="" type="checkbox"/> North <input checked="" type="checkbox"/> South

Location Info

Location Id: 55N001	Located On: St. Marks Trail @ J. Lewis Park
Description: Non-Motorized Counts (Bike/Ped Separately) - St. Marks Trail @ J.L...	Community: Tallahassee
County: Leon	District/Region: 3
Jurisdiction: DEP	



DATA SEARCH

1

Non-Motorized Database System

[Dashboard](#) [Analysis](#) [Admin](#)

Filters Year Mode County Community

2

Non-Motorized Database System

[Dashboard](#) [Analysis](#)

Quick Search **Advanced Search**

Location ID
 County
 Community
 Counts Year

Results

<input checked="" type="checkbox"/>	Location Id	Located On	Latest Count Date
<input checked="" type="checkbox"/>	10N001	Tampa Riverwalk	02-22-2021

Showing 1 to 1 of 1 entries

3

MS2

Location ID: 55B005
 Community: Tallahassee
 Latest Count Date: 04/08/2019
 Latest Count Total: 12

[View location detail](#)

Map data ©2021 Google, INEGI 100 km Terms of Use



DATA DESCRIPTION

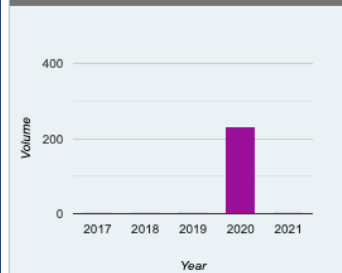
Location Count

South Side Sidewalk
 North Side Trail
 East
 West

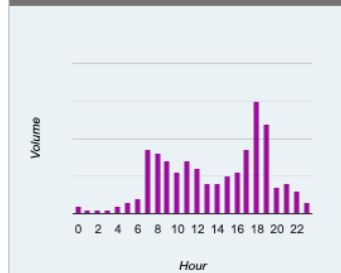
Location Info

Location Id: **55N017**
 Description: Non-Motorized Unclassified Counts (Total Bike & Ped Combined) - ...
 Located On: FAMU Way
 County: Leon
 Community: Tallahassee
 Jurisdiction: City of Tallahassee
 District/Region: 3
 Latitude: 30.43193000
 Longitude: -84.29548000
 Count Cycle:
 Owner: Jacqueline Masaki
 Perm Station: No
 Active Station: Yes
 Urban/Rural: Urban
 TMG Station Id: 55N017
 Functional Class: Minor Arterial
 SF Groups:
 Lrs Id:
 Qc Group:
 Lrs Loc Point:

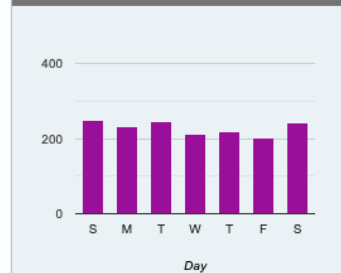
Annual Avg Daily Traffic



Avg Hour Count



Avg DOW Count



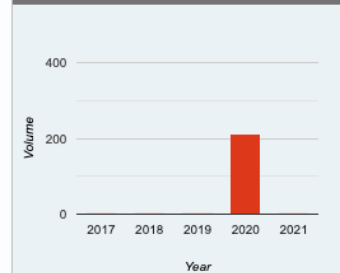
Location Count

South Side Bike Lane
 North Side Bike Lane
 Trail
 East
 West

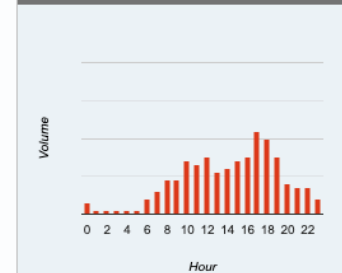
Location Info

Location Id: **55B017**
 Description: Bike Counts Only - FAMU Way at Cleveland St west - City of Tallaha...
 Located On: FAMU Way
 County: Leon
 Community: FAMU
 Jurisdiction: City of Tallahassee
 District/Region: 3
 Latitude: 30.43195000
 Longitude: -84.29549000
 Count Cycle:
 Owner: Jacqueline Masaki
 Perm Station: No
 Active Station: Yes
 Urban/Rural: Urban
 TMG Station Id: 55B017
 Functional Class: Minor Arterial
 SF Groups:
 Lrs Id:
 Qc Group:
 Lrs Loc Point:

Annual Avg Daily Traffic



Avg Hour Count



Avg DOW Count

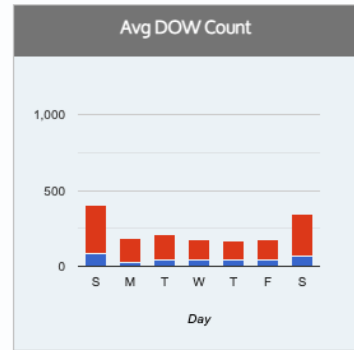
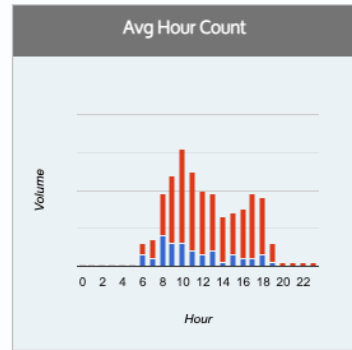
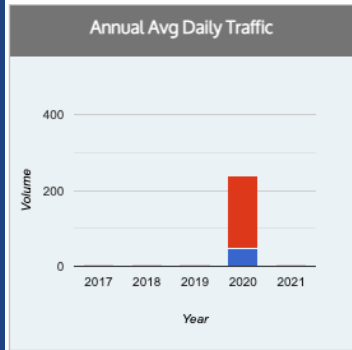


DATA DESCRIPTION

Location **Count** Path Trail Travel Directions North South

Location Info

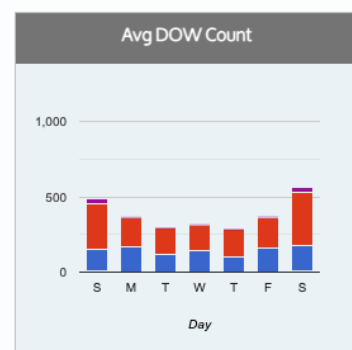
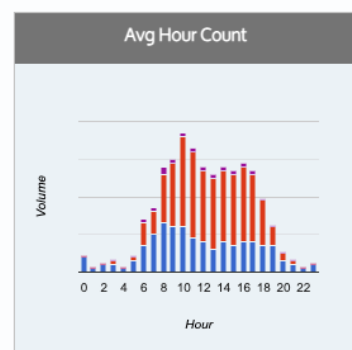
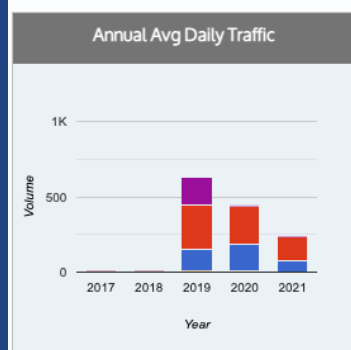
Location Id: **55N001**
 Description: Non-Motorized Counts (Bike/Ped Separately) - St. Marks Trail @ J. L...
 Located On: St. Marks Trail @ J. Lewis Park
 County: Leon Community: Tallahassee
 Jurisdiction: DEP District/Region: 3
 Latitude: 30.33659000 Count Cycle:
 Longitude: -84.25465000 Owner: Jacqueline Masaki
 Perm Station: No Active Station: Yes
 Urban/Rural: Rural TMG Station Id: 55N001
 Functional Class: Trail or Share... SF Groups:
 Lrs Id: Qc Group:
 Lrs Loc Point:



Location **Count** Path Trail Travel Directions North South

Location Info

Location Id: **55C001**
 Description: St. Marks Trail @ Woodville Hwy Trailhead
 Located On: St. Marks Trail @ Woodville Hwy Trailhead
 County: Leon Community: Tallahassee
 Jurisdiction: DEP District/Region: 3
 Latitude: 30.37049670 Count Cycle:
 Longitude: -84.26813510 Owner: Jonathan Headings
 Perm Station: Yes Active Station: Yes
 Urban/Rural: Rural TMG Station Id: 55C001
 Functional Class: Trail or Share... SF Groups:
 Lrs Id: Qc Group: Autopoll test
 Lrs Loc Point:



DATA REPORTING

Non-Motorized Database System

Dashboard [Analysis](#) Admin

MS2

Quick Search [Advanced Search](#)

Location ID:

County:

Community:

Counts Year:

Results

Filter:

<input checked="" type="checkbox"/>	Location Id	Located On	Latest Count Date
<input checked="" type="checkbox"/>	55B017	FAMU Way	10-23-2020

Showing 1 to 1 of 1 entries

Reports

Name:

Start Date:

End Date:

MS2 -

Map showing location 55B017 on FAMU Way in Leon, FL.

Details

Location Count

South Side Path North Side

Bike Lane Bike Lane Trail

Location Info

Location Id: 55B017

Description: Bike Counts Only - FAMU Way at Cleveland St west - City of Tallahassee

County: Leon

Jurisdiction: City of Tallahassee

Latitude: 30.43195000

Longitude: -84.29549000

Perm Station: No

Urban/Rural: Urban

Functional Class: Minor Arterial

Lrs Id:

Lrs Loc Point:

Located On: ...

Community: ...

District/Region: ...

Count Cycle: ...

Owner: ...

Active Station: ...

TMG Station Id: ...

SF Group: ...

Qc Group: ...

Annual Avg Daily Traffic

Reports

Name Start Date End Date

Bike Volume By Month For Year

Pedestrian Volume By Month For Year

All Modes Volume By Month For Year

Station Information

Single Day By Station

Average Volume And Coefficient of Variation

User Bias - Commuter vs. Recreation

FDOT Florida Department of Transportation

Station Information

Community	Location	Direction	Description	Latitude
FAMU	55B017	East/West	Bike Counts Only - FAMU Way at Cleveland St west - City of Tallahassee	30.4319

Word

Excel

PowerPoint

PDF

TIFF file

MHTML (web archive)

CSV (comma delimited)

XML file with report data

Data Feed

Trail	Area Type
X	Urban



REPOSITORY MANUAL

Non-Motorized Database System

Dashboard Analysis Admin

Filters Year: All Mode: All County: All Community: All

Yearly Volume

Highest ADT Locations

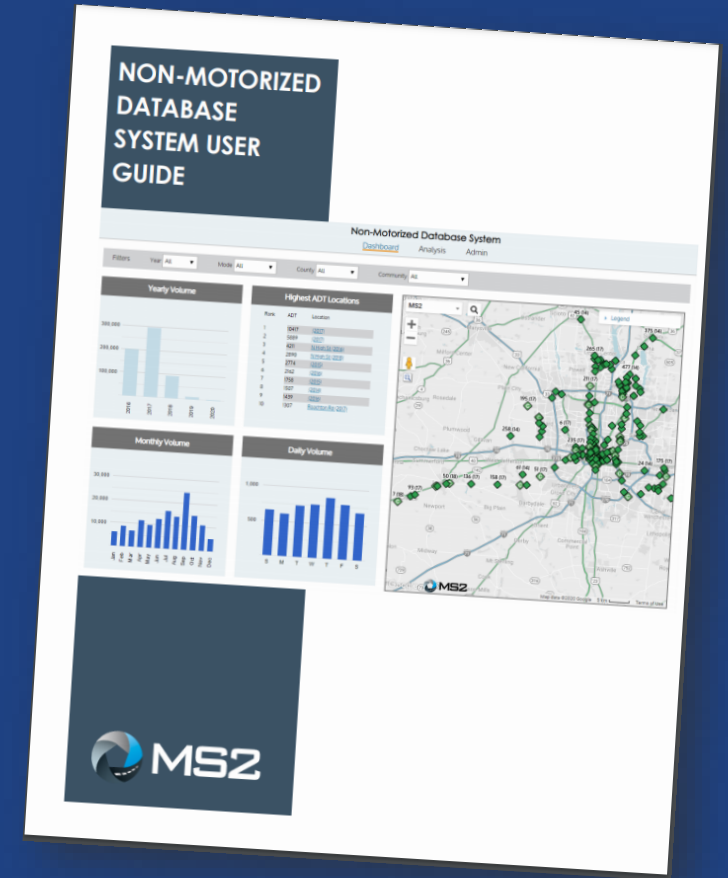
Rank	ADT	Location
1	3135	Transton River @ 5m (2020)
2	2836	Tampa Riverwalk (2021)
3	2053	792 Bridge East (2021)
4	1704	W. Call St (2020)
5	1547	Gordon River at B... (2020)
6	1450	Atlantic Greenway (2020)
7	1193	West Ave @ Lincoln (2020)
8	999	Ala - South side (2020)
9	998	Stadiums Bridge (2020)
10	920	Gordon River at B... (2020)

Monthly Volume

Daily Volume

MS2

© 2021 MS2 | 5200 S. Slate Road | Suite 100 | Ann Arbor, MI 48108 | Phone: 734-389-7000 | Email: info@MS2Soft.com | Web: www.ms2soft.com | Privacy Policy | Terms of Service



OUTREACH

- NMTMP National Outreach
 - League of American Bicyclists Bike Summit
 - National Travel Monitoring Exposition and Conference (NATMEC) June 21 – 25
 - Natmec.org
- NMTMP Statewide Outreach
 - Newsletters, Webinars, Statewide meetings, Trainings
 - Numerous local agency presentations



WHAT TDA HAS LEARNED

- NMTM supports FDOT's Vital few
 - Improve Safety
 - Enhance Mobility
 - Inspire Innovation
- Video technology is a game-changer
 - Opportunity to capture counts and travel behavior
- Florida's local agencies are seeking guidance on site selection, technology selection, and data formatting
- TMG Traffic Monitoring does not separate motorized from non-motorized anymore...

FDOT

OUR VALUES

- One FDOT**
We are one agency, one team.
- INTEGRITY**
We always do what is right.
- RESPECT**
We value diversity, talent and ideas.
- COMMITMENT**
We do what we say we are going to do.
- TRUST**
We are open and fair.
- CUSTOMER DRIVEN**
We listen to our customers.

OUR MISSION

The department will provide a safe transportation system that ensures the mobility of people and goods, enhances economic prosperity, and preserves the quality of our environment and communities.

OUR VISION

As one FDOT team, we serve the people of Florida by providing a transportation network that is well planned, supports economic growth, and has the goal of being congestion and fatality free.

VITAL FEW

- Improve Safety
- Enhance Mobility
- Inspire Innovation

Central Office - Tallahassee



THANK YOU PARTNERS!

U.S. Department of Transportation
Federal Highway Administration



TP
Miami-Dade Transportation Planning Organization



CONTINUOUS COUNTS FOCUS



Atlantic Greenway Trail , Miami Beach, FL



PANEL 2



*Scott Wright, AICP
Transportation Planner, City
of Gainesville*



*Kevin Walford
Transportation Planner III,
Miami-Dade TPO*



*Terry Robinson
Southern Traffic Services*



CITY OF GAINESVILLE

CONTINUOUS BIKE/PED COUNTS PROGRAM



SCOTT A. WRIGHT, AICP
DEPT. OF TRANSPORTATION AND
MOBILITY, CITY OF GAINESVILLE





MULTI-USE TRAIL SYSTEM

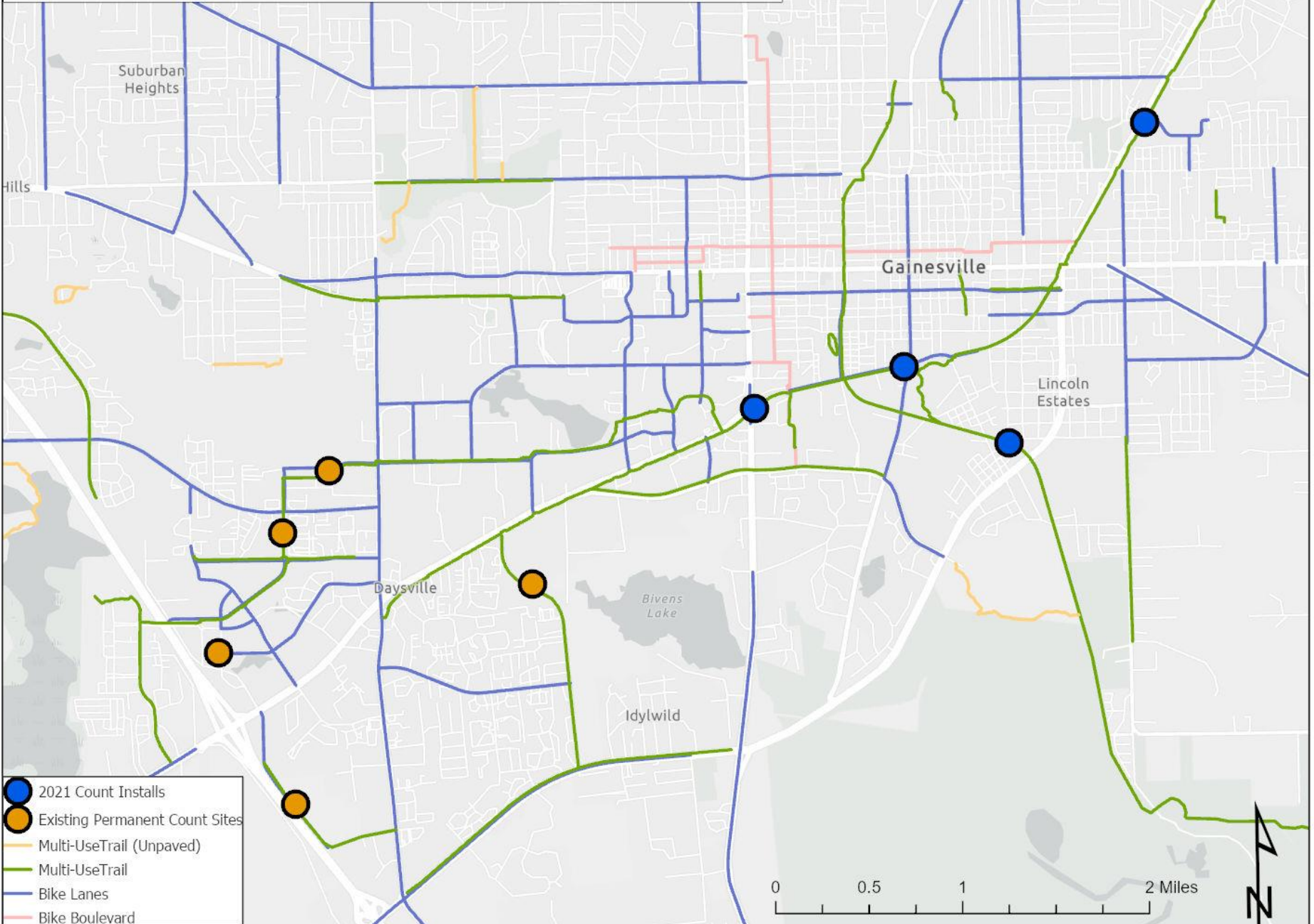
Several multi-use trails provide an interconnected network within the City. This network includes the Gainesville-Hawthorne Trail, the Depot Trail, the Waldo Greenway, 6th Street Trail, and Archer Braid Trail.

2014 – City purchased mobile counter to evaluate usage of multi-use trails

(EcoCounter PYRO Box)



Existing and Future Permanent Count Sites



SPRING 2019
INITIAL COUNTERS PURCHASE
(ECO COUNTER MULTI)

SPRING 2020
SOUTHWEST INSTALLATIONS

FALL 2020
2ND COUNTERS PURCHASE

SUMMER 2021
DOWNTOWN INSTALLATIONS

Sources: Esri, HERE, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

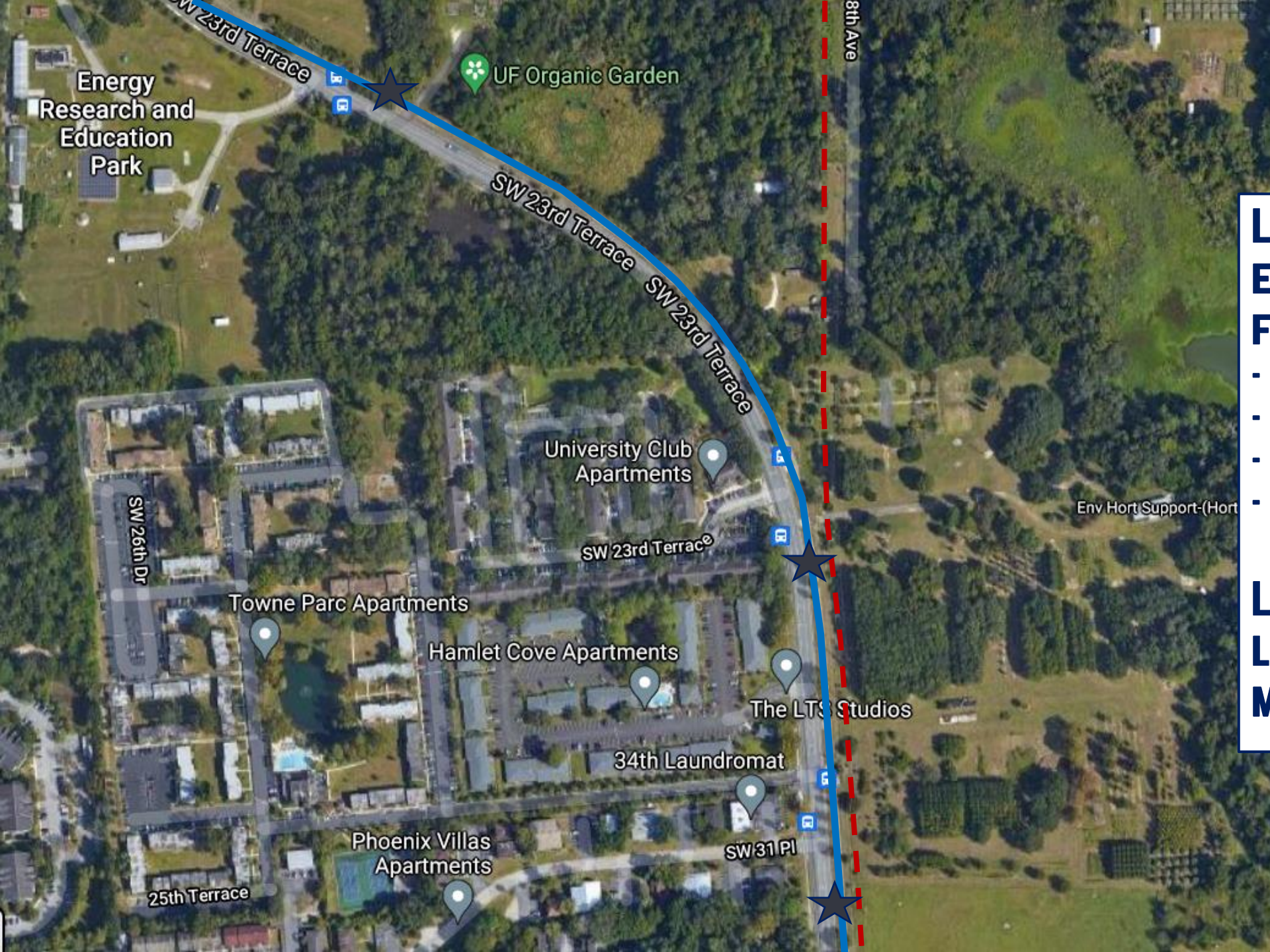


SITE SELECTION

PRIMARY GOAL: MEASURE USE ON LOCAL SECTIONS OF MULTI-USE TRAILS

- **CONSIDER TRIP PURPOSES UPFRONT**
- **CONTINUOUS AND UNOBSTRUCTED SECTIONS**
- **DISTINGUISH BICYCLES AND PEDESTRIANS**





LESSON: BEWARE ENVIRONMENTAL FEATURES

- WAVING PLANTS
- LIVESTOCK
- PARALLEL DRIVEWAYS
- TRANSMISSION LINES

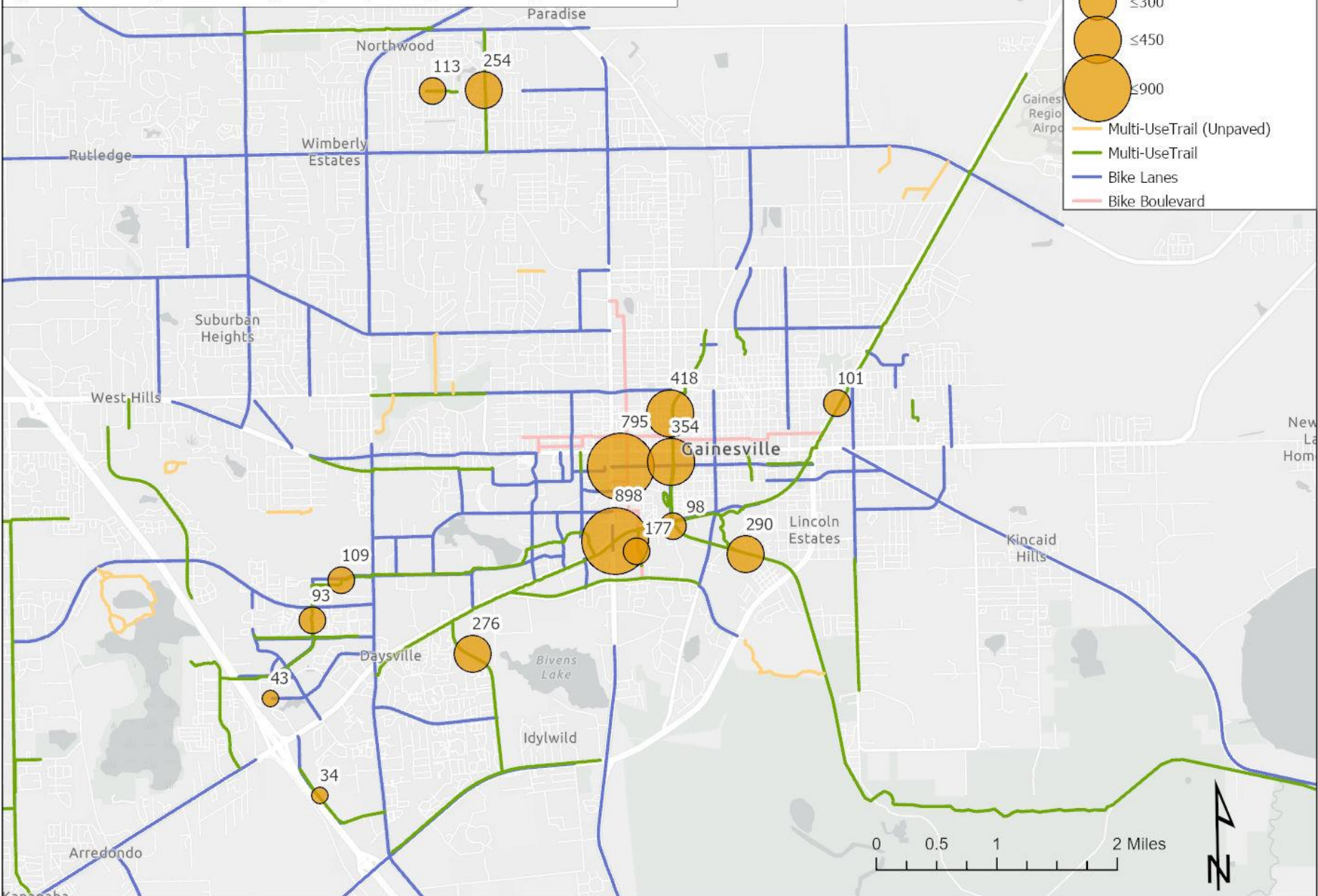
LESSON: TEST LOCATIONS WITH MOBILE COUNTER



**REVISED LOCATION STILL CAPTURES TRAVEL
OF BICYCLES AND PEDESTRIAN FROM
STUDENT APARTMENTS TO UF**



Traffic Counts- Gainesville Multi-Use Trails (Weekday Averages, Spring 2020)



RESOURCE ALLOCATION

- NEW TRAILS
- TRAIL CONNECTIONS
- REPAIR STATIONS
- WAYFINDING
- LIGHTING

MODE SPLIT
FOR EXAMPLE, TRAIL TRIPS EQUAL ABOUT 5% OF ROADWAY TRIPS ON NW 6TH ST

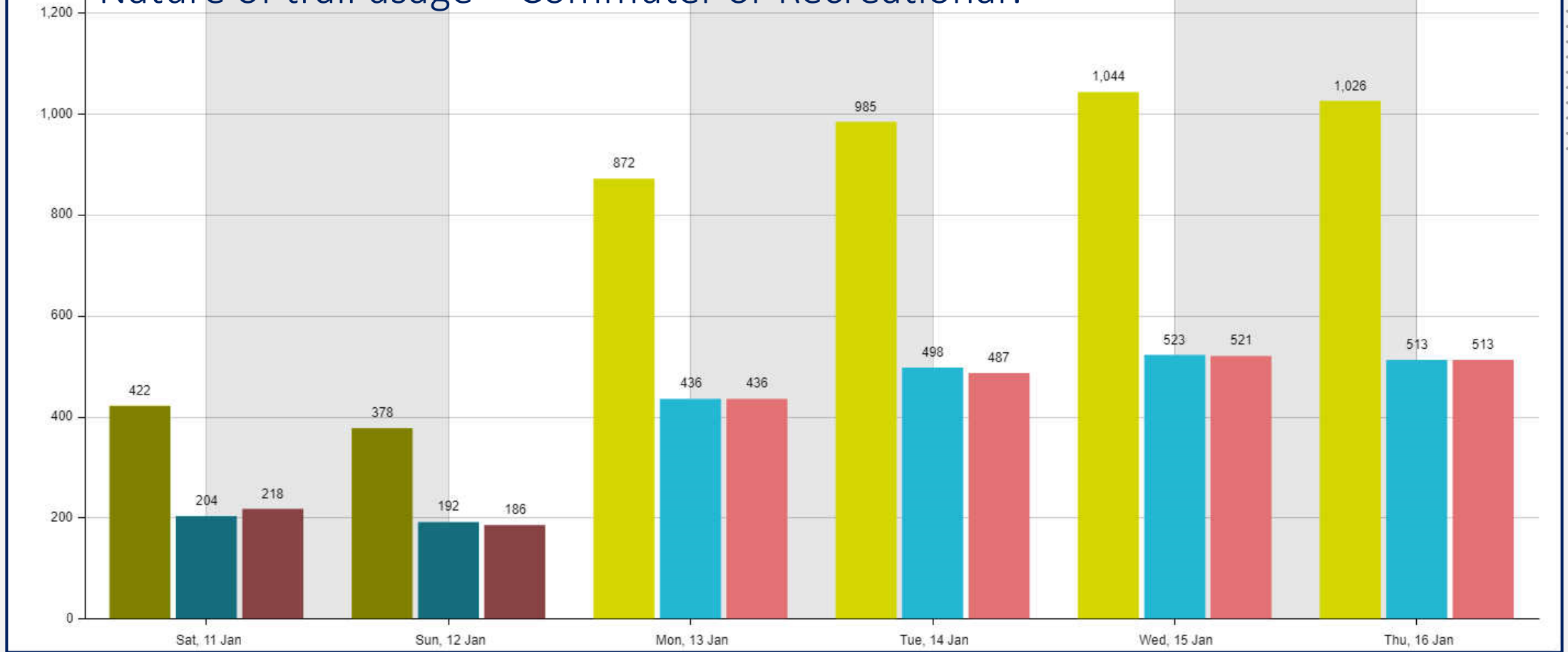
GRANT SUPPORT
DEMONSTRATE USAGE OF TRAILS TO SUPPORT APPLICATIONS

Sources: Esri, HERE, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community



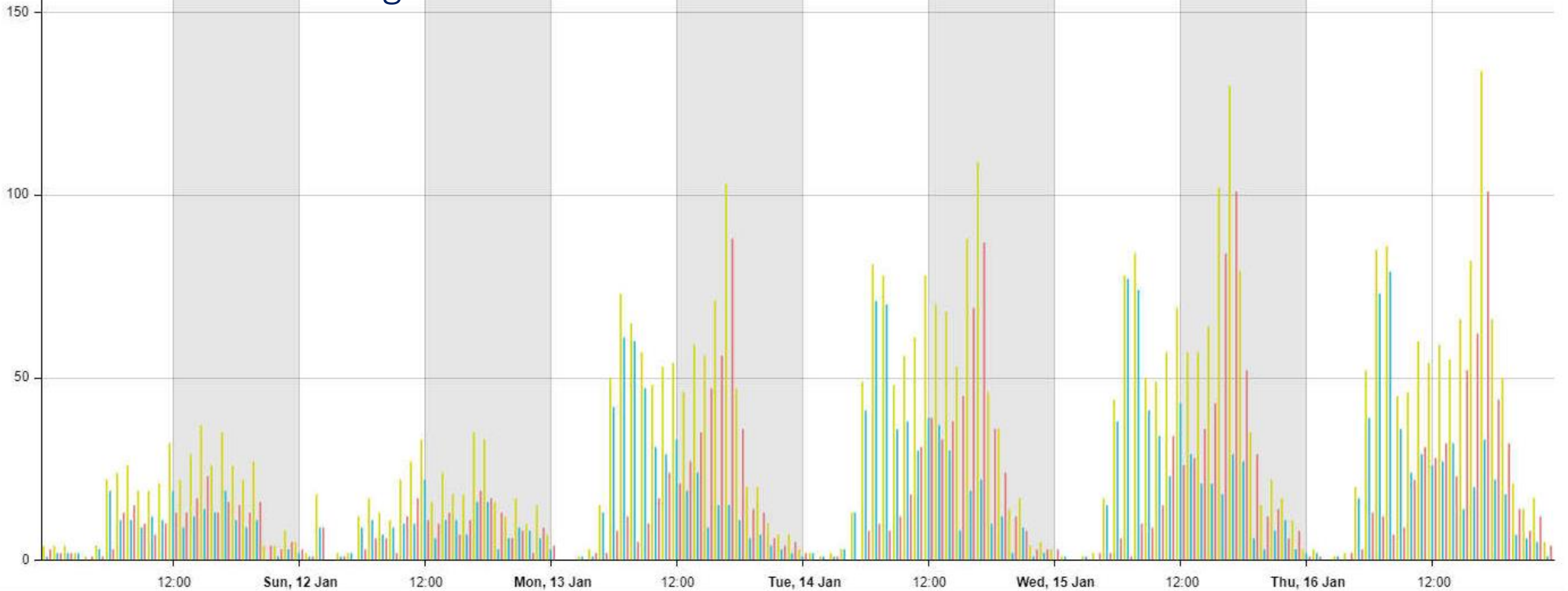
Helix Bridge Bicycle/Pedestrian Counts (daily)

Nature of trail usage – Commuter or Recreational?

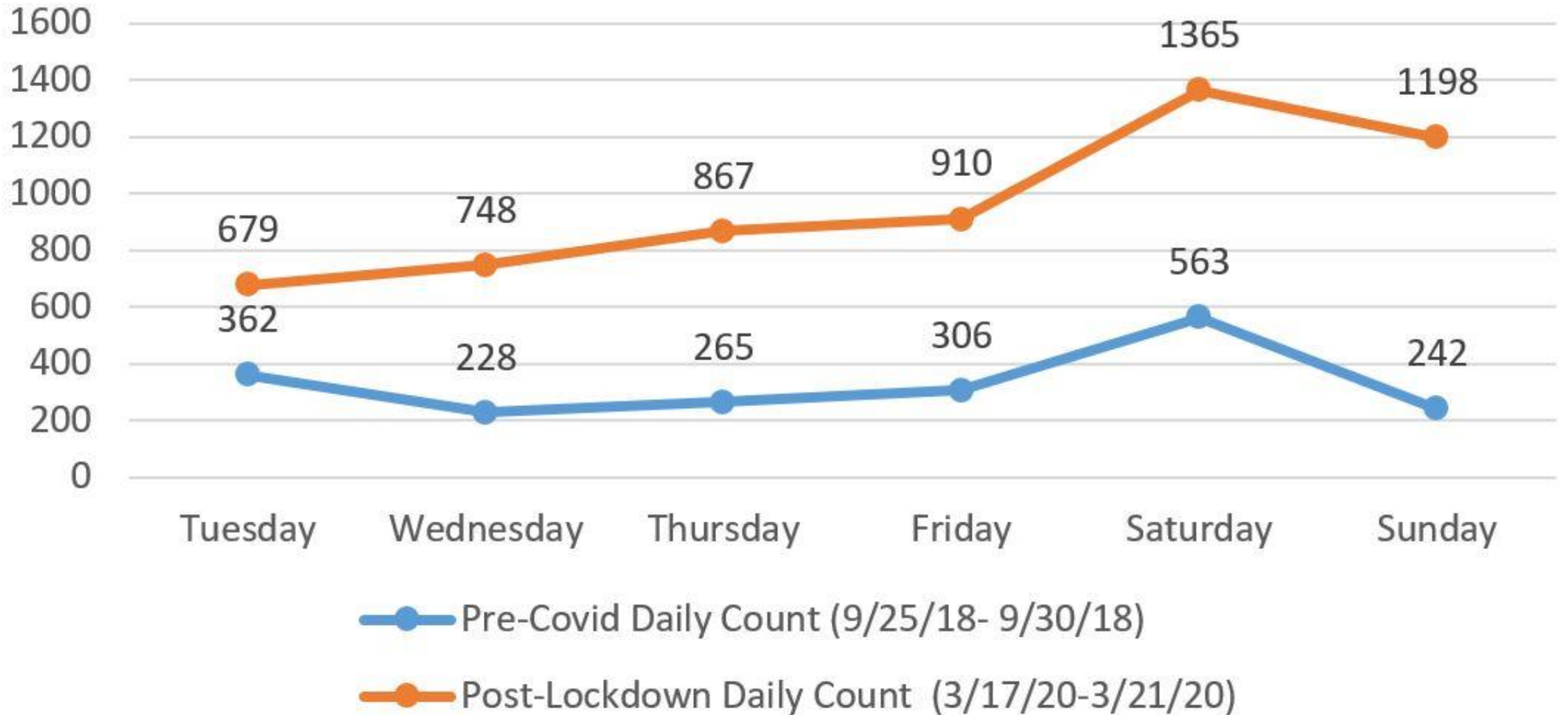


Helix Bridge Bicycle/Pedestrian Counts (hourly)

Nature of trail usage – Commuter or Recreational?



Effect of Pandemic on Gainesville-Hawthorne Trail Use



MAY 2021



STATEWIDE NON-MOTORIZED TRAFFIC MONITORING PROGRAM (NMTM)

2021 Statewide Meeting

Kevin Walford



MIAMI-DADE TPO

- Two locations dating back to 2014
- Eco Counter Urban Post Counters
- Record high numbers tabulated in 2020 due to COVID-19



M-Path Vizcaya



Snake Creek Canal

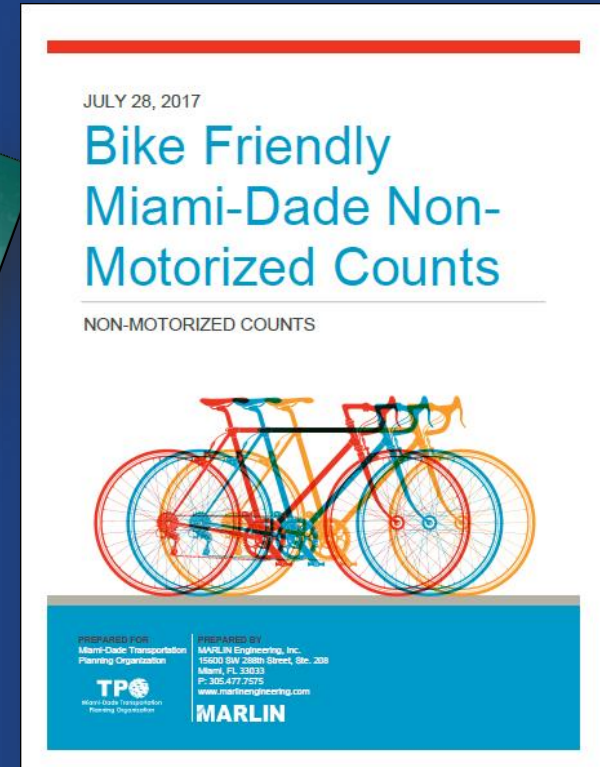
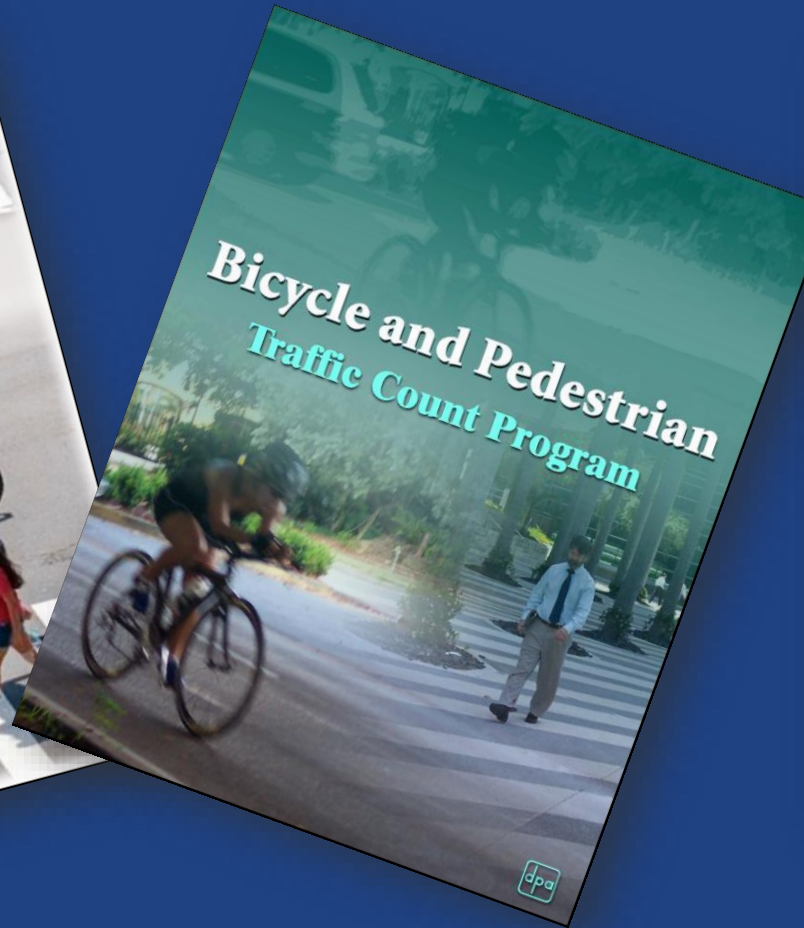
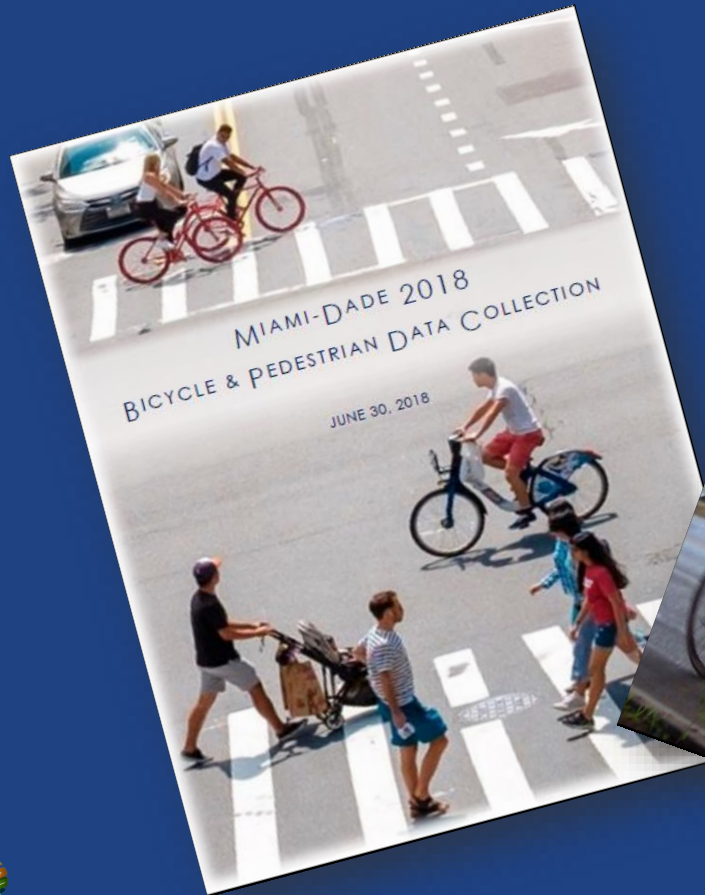


WHY COUNT?

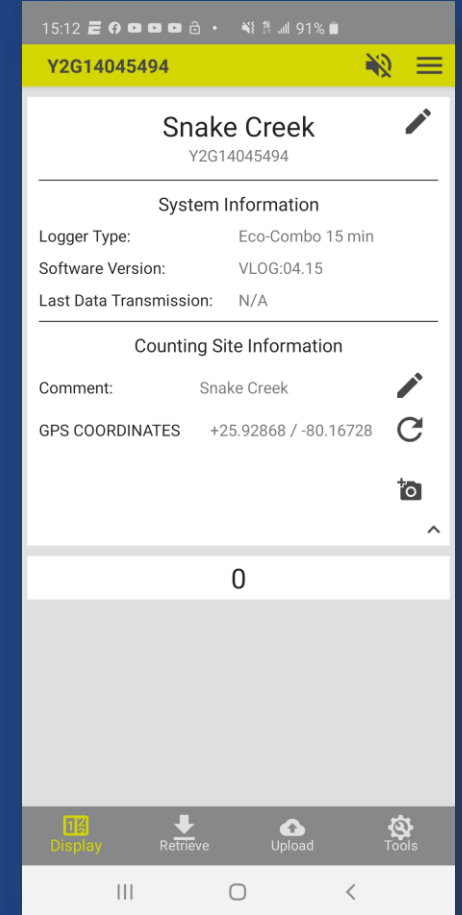
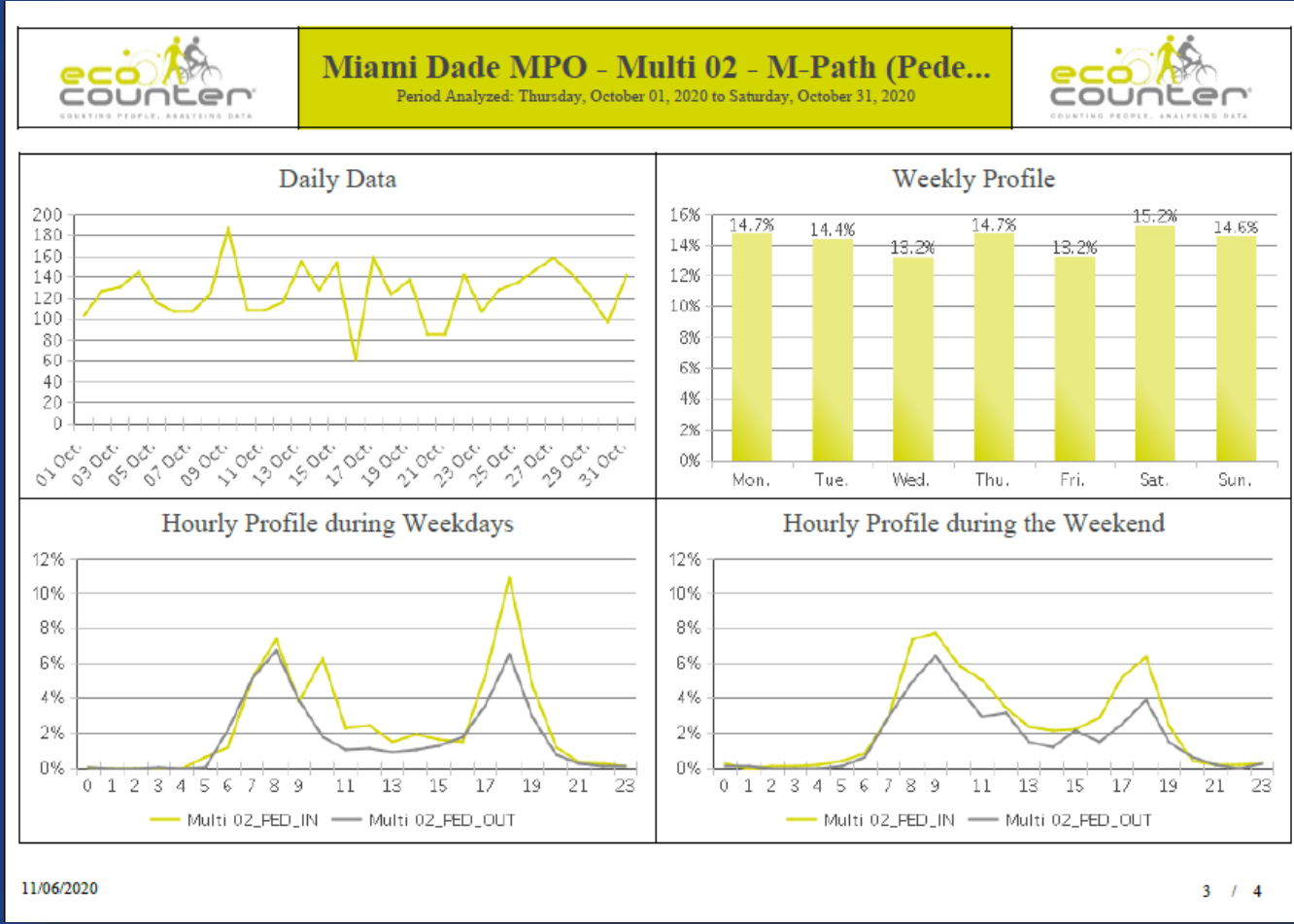
- Implications for increased non-motorized travel potential for unlinked trips and first-last mile trips to transit stations.
- Inform municipal entities for programs and prioritization for improvement and expansion of pedestrian and bicycle network facilities.
- Monitor areas of high activity and help plan a more efficient and safer bicycle and pedestrian network



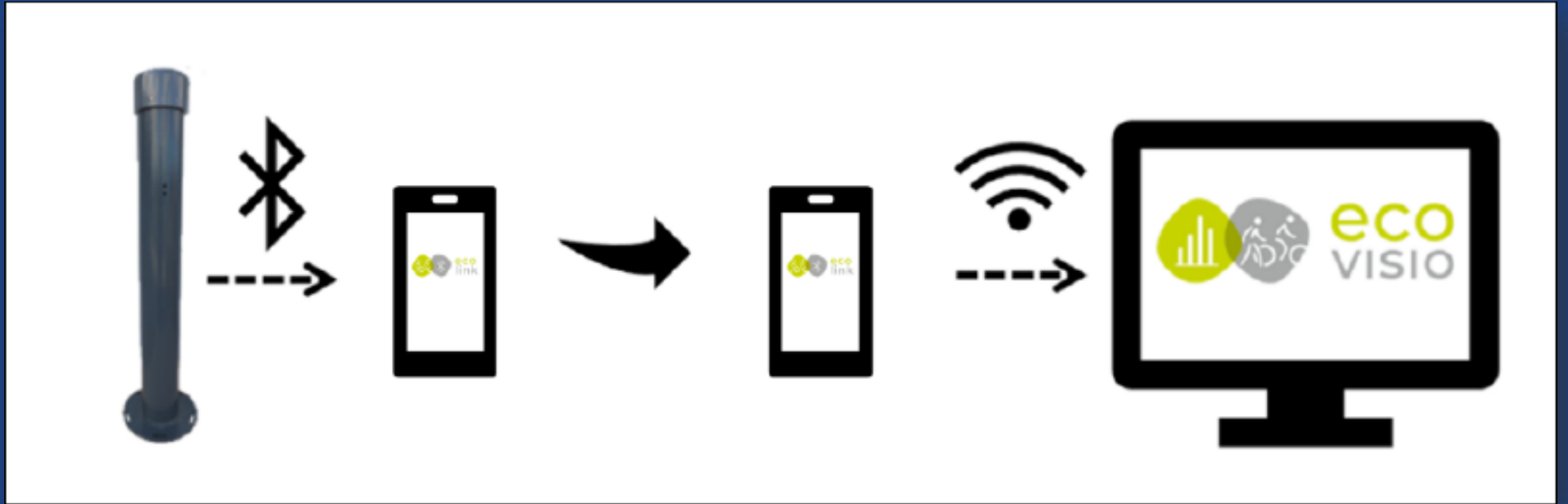
PERIODIC STUDIES



TECHNOLOGIES



TECHNOLOGIES



LESSONS LEARNED

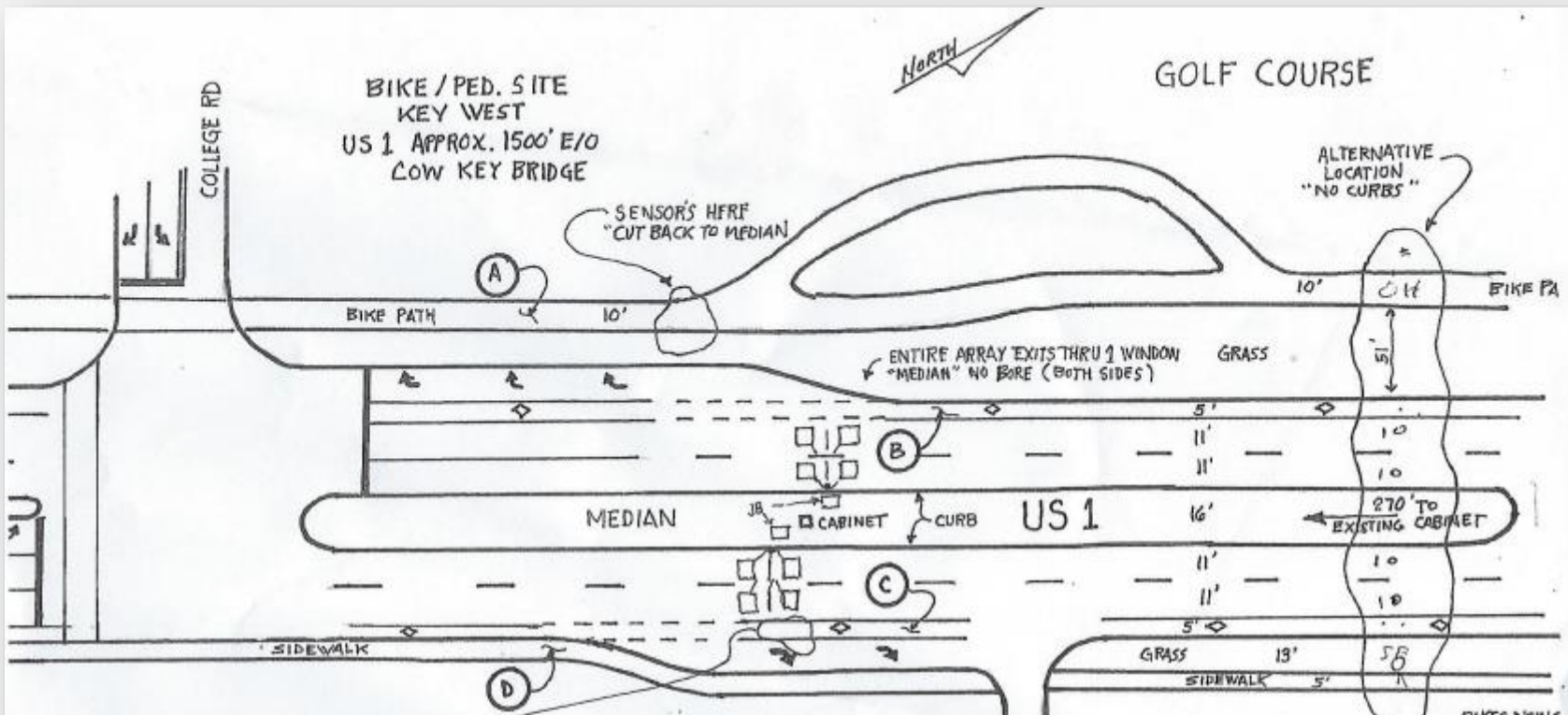




DESIGN/ CONSTRUCTION

NON-MOTORIZED PROGRAM





SUN. 1/19/20

	0945	1000	1015	1030	1045	1100	TOTAL
(A) ←	26 2-P	10 1-P	4	24	13 1-P	57 4-P	
(A) →	4 3-P	2 2-P	11	5 1-P	17 2-P	39 8-P	
(B) ←		1			1	2	
(B) →						0	
(C) ←	1					1	
(C) →	1	2	2	5	4	14	
(D) ←	2	3 1-P	2	8	5	20 1-P	
(D) →	2 3-P	2	8	5 1-P	5	22 4-P	
							TOTAL

MON 1/20/20

	1445	1500	1515	1530	1545	TOTAL
(A) ←	5	8	6	7		26
(A) →	3	2	11	9		25 3-P
(B) ←	1		1	1		3
(B) →						0
(C) ←						
(C) →	1	1	2	2		6
(D) ←	2	7	5	5		19
(D) →	3 4-P	3	7	6		19
						TOTAL

NOT A GOOD LOCATION FOR SENSORS "BIKES WANDER INTO TURN LANE"

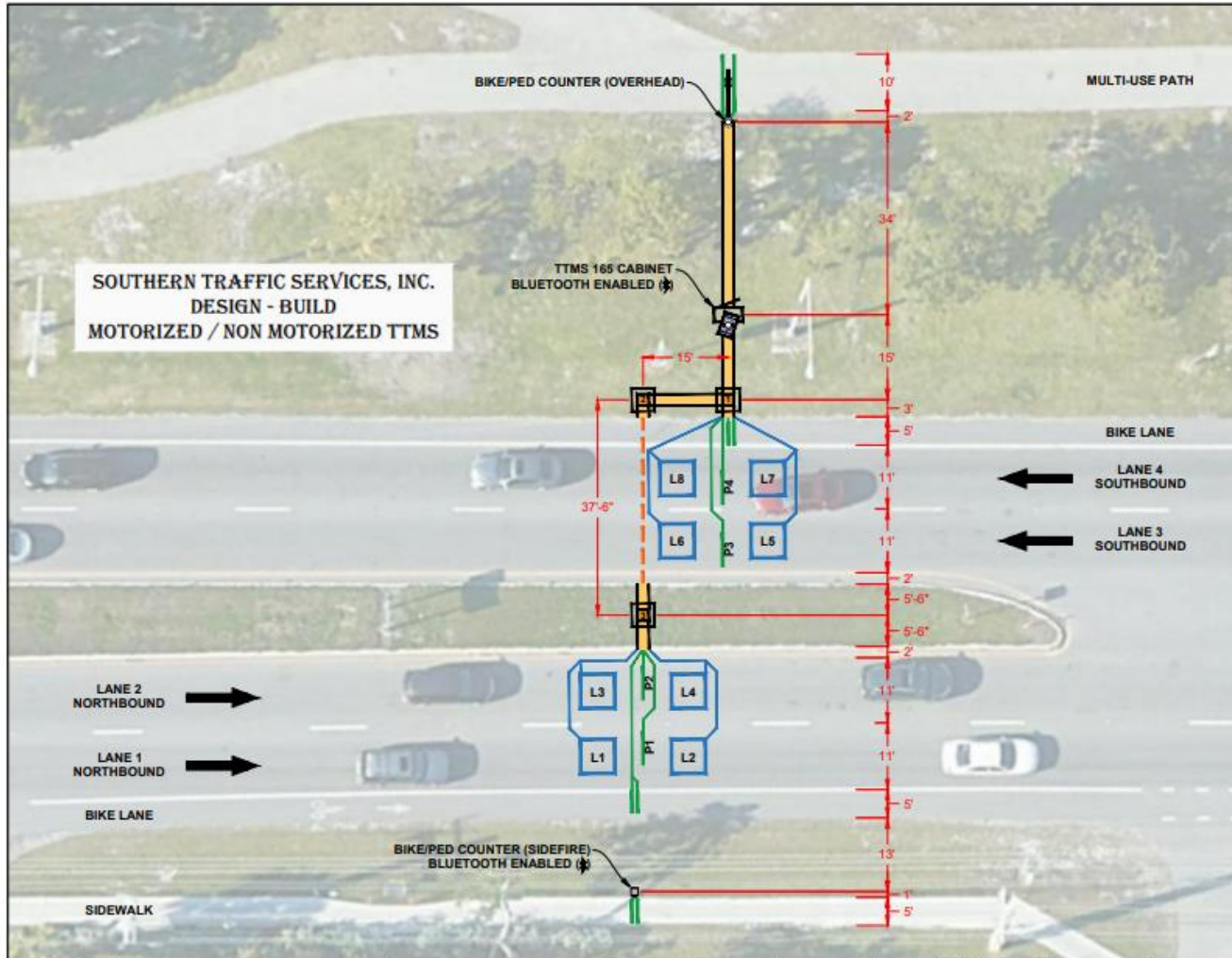
HURRICANE HOLE MARINA



KEY WEST FLORIDA US I SITE DESIGN

- PLANNED SITE EVALUATION
- STS CAMERA SET UP FOR VOLUME/ CLASSIFICATION/ NON- MOTORIZED
- A.I. CAMERA TO STUDY MOVEMENTS, IDENTIFICATION, VALIDATIONS
- ROAD TUBES TO MOTORIZED/ NON- MOTORIZED TRAFFIC EVENTS
- UTILITY IDENTIFICATION
- TRAFFIC QUEING
- SYSTEM DESIGN





- LEGEND:**
- INDUCTIVE LOOP
 - PIEZO SENSOR
 - JUNCTION BOX
 - CABLE & CONDUIT
 - HOMERUN CUT FOR CABLE MANAGEMENT
 - METAL POLE, CABINET, & PV SOLAR PANELS

- NOTES:**
- TBD



SOUTHERN TRAFFIC SERVICES
2911 WESTFIELD RD.
GULF BREEZE, FL 32563

TASK WORK ORDER: TTMS 165
US 1 - OVERSEAS HWY (24.571861, -81.746523)
4 LANES + 2 BIKE LANES + 2 BIKE/PED COUNTERS

DATE:
4/12/2021



SCALE:
NTS

SPEED
LIMIT
35

PAGE:
1 OF 1

SITE SKETCH		
DESIGNED BY:	DAVIS STRACK, EI	<i>Davis Strack</i>
REVIEWED BY:	TERRY ROBINSON	<i>Terry Robinson</i>



Multi-directional Thermal People Counting Solution

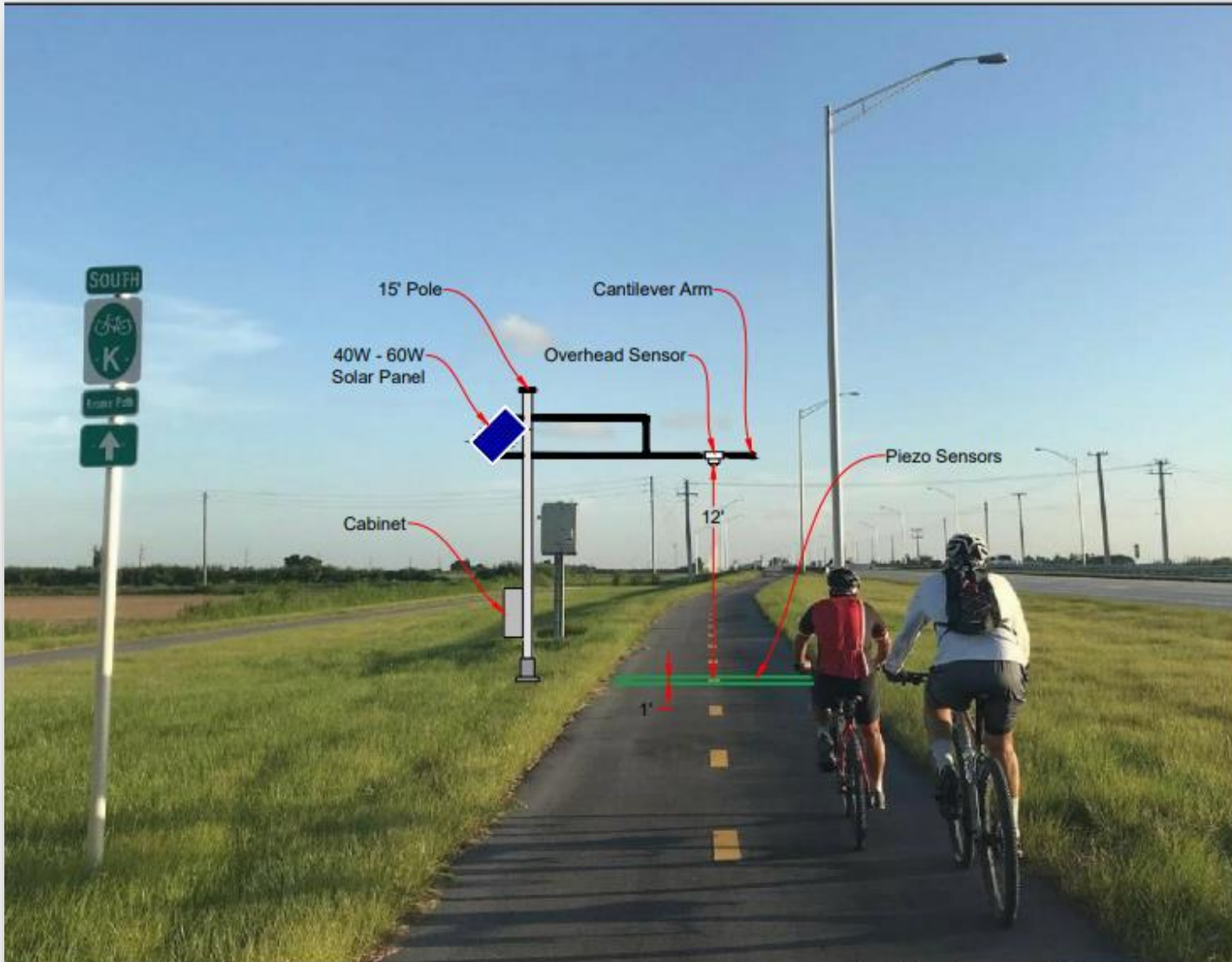


- 95% Accuracy People Counting
- Up to 16 counting lines
- Highly reliable: MTBF > 25 years
- IP or Relay output
- Un-matched low cost of ownership
- Unique wide-opening capability
- Low power consumption
- Easy install and simple to configure
- Wide range of mounting heights
- Indoor and outdoor options



Distributed by





NOTES:

- Pole Height = 15' (Typical).
- Overhead Sensor Height = 12' (Typical).
- Overhead Sensor Centered Above Bicycle & Pedestrian Path.
- Solar Panel = 40W - 60W (Typical).
- Solar Panel Oriented South.
- Cabinet Height = 4' (to Center) from Ground.
- Piezo = BL Class III, Length Varies Depending on Width of Bicycle & Pedestrian Path.
- Piezo Spacing = 1' (Typical).
- Piezo Depth = 3/4" (Typical), Varies Depending on Thickness of Bicycle & Pedestrian Path.

SITE SKETCH

DESIGNED BY:	DAVIS STRACK, EI	<i>Davis Strack</i>
REVIEWED BY:	TERRY ROBINSON	<i>Terry Robinson</i>

AS-BUILT

QA INSPECTOR:	
CREW LEADER:	



SOUTHERN TRAFFIC SERVICES
2911 WESTFIELD RD.
GULF BREEZE, FL 32563

BICYCLE & PEDESTRIAN COUNTER: OVERHEAD
Krome Path Towards SW 136th Street
Miami, FL 33196

DATE:
11/7/2019



SCALE:
NTS



PAGE:
2 OF 3





Overhead detection Key West Overseas Heritage Trail











METRO COUNT SIDE DETECTION WITH PIEZO SENSORS





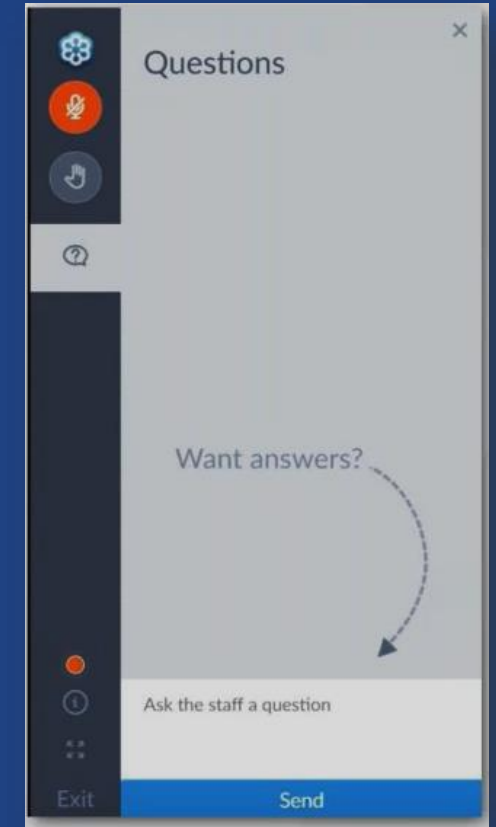


Eco Counter side detection with loops



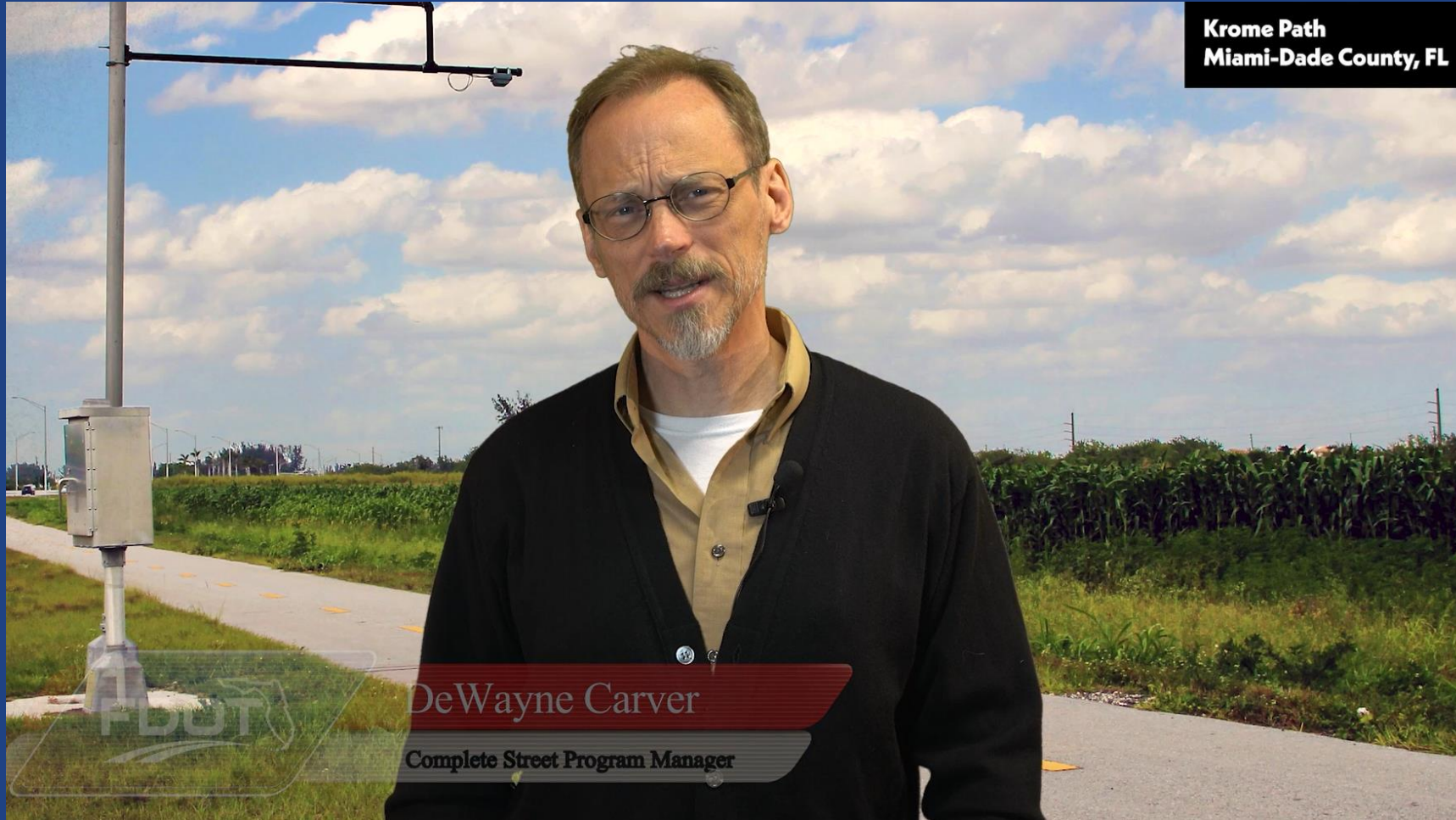
QUESTIONS AND CONTACT INFORMATION

- Ed Hutchinson – Ed.Hutchinson@dot.state.fl.us
- Liz Stolz – Estolz@marlinengineering.com
- Joey Gordon – Joey.Gordon@dot.state.fl.us
- Jackie Masaki – Jmasaki@marlinengineering.com
- Eric Katz – Eric.Katz@dot.state.fl.us
- Scott Wright - Wrightsa@cityofgainesville.org
- Kevin Walford - Kevin.walford@miamidade.gov
- Terry Robinson – Trobinson@southerntrafficservices.com



CLOSING VIDEO

Krome Path
Miami-Dade County, FL



DeWayne Carver

Complete Street Program Manager



THANK YOU FOR ATTENDING!

- Recording will be made available soon after the webinar
- Please complete the follow-up survey that will be sent via email at the conclusion of this webinar
- Next webinar will be Thursday May 6th, 11:00am – 12:15pm (EST), and will cover Short-term Counts and NMTM Program Partnership Details
- Contact Eric.Katz@dot.state.fl.us for any questions related to today's presentation and/or AICP CM credits

FDOT Statewide Non-Motorized Traffic Monitoring Program 2021 STATEWIDE ANNUAL MEETING

WEBINAR SERIES



**THURSDAY
MAY 06**
11:00AM -
12:15PM
(Eastern Time
Zone)

WEBINAR #2:
FDOT Partnership
Details / Short-term
Counts focus
Click [HERE](#) to attend

11:00 AM WELCOME FROM FDOT SYSTEMS IMPLEMENTATION OFFICE
Chris Edmonston, FDOT Manager of Systems Implementation

11:05 AM STATEWIDE SHORT TERM COUNTS OVERVIEW AND BEST PRACTICES
Eric Katz, NMTM Program Coordinator

11:20 AM SHORT-TERM COUNT PARTNERSHIPS
Tiffany Gehrke, FDOT District 6 Bicycle/Pedestrian and ADA Coordinator
Michelle Mejia, West Kendall Baptist Hospital
Tina Russo, Pasco County MPO

12:05 PM QUESTIONS

12:13 PM CLOSING VIDEO FROM FDOT CHIEF PLANNER
Huiwei Shen, FDOT Chief Planner

This webinar will provide Florida with details regarding short-term count deployments and how local agencies can partner with FDOT and assist in the development of the Statewide Non-Motorized Traffic Monitoring (NMTM) Program. Whether it be proposing new count stations, sharing non-motorized count data, or assisting FDOT on a scheduled short-term count deployment, there are various ways local agencies and organizations can support the program.

WEBINAR PARTNERS



Traffic Monitoring Division



QUESTIONS? Please e-mail Eric.Katz@dot.state.fl.us or Joey.Gordon@dot.state.fl.us

SAFETY MESSAGE

- Wear helmet when riding your bike

Why is our Vision Zero?



There's No One Someone Won't Miss!

We must all work together to eliminate traffic fatalities.

