Welcome!

FDOT Transportation Data and Analytics (TDA) Team

Ed Hutchinson – TDA Office Manager

Steve Bentz P.E. – Transportation Monitoring Program Manager

Joey Gordon – Transportation Data Analysis Supervisor

Eric Griffin – Transportation Data Collection Manager

Victor Johnson – Transportation Data Coordinator

Consultant
Marlin Engineering Inc.

MARLIN STAFF ON THE CALL

Elizabeth “Liz” Stolz
Director of Traffic Data Programs
MARLIN Engineering Inc.

Eric Katz, AICP
FDOT Statewide Non-Motorized Traffic Monitoring Program Coordinator
Agenda

• Program At-a-Glance
• TRB / National 2020 Update
• Program Update
• Questions and feedback from the audience
  • Statewide Meeting
Program At-a-Glance
Quick Facts:

- 1-year ½ old Program
- 199+ registered for webinar
- 400+ coalition members
- 1,500+ visited our map/webpage
- 500+ proposed sites
- 144+ evaluated sites
- 4 NMTM Continuous Counters installed statewide so far

FDOT NON-MOTORIZED TRAFFIC MONITORING COALITION
NMTM Goals 2020

“Year 1 involved a lot of research, pilot testing, and Federal to Local coordination. Year 2 is all about counting, counting, counting!”

• Keep short-term counters off the shelf, and in the field
• 15 Continuous Count station installs statewide
• Data Repository up and running
• Continue building statewide data coalition

THANK YOU FOR YOUR PATIENCE!
National Update
Transportation Research Board - Update

• Link: www.trb.org
• Annual Meeting
  Registration: http://www.trb.org/AnnualMeeting/AnnualMeeting.aspx
• 2021 Theme: Launching a New Century of Mobility and Quality of Life
• DATES: January 24-28, 2021
TRB Update

- 2020 – Reorganization of all Committees
  - ABJ35 – Highway Traffic Monitoring is now ACP70
    - Moved from Statewide Data to Safety and Operations Section
- 2021 – TRB’s 100 Year Existence
- 2021 – Workshop focused on Bike/Ped (Sunday slotted workshop)
Bicycle and Pedestrian Data Subcommittee

• Ongoing research
  1. NCHRP 17-87 – Enhancing Pedestrian Volume Estimation and Developing HCM Pedestrian Methodologies for Sustainable Communities
  2. FHWA bicycle facility inventory project - Oakridge Lab is under contract to develop a National Bicycle Network
  3. NCHRP 20-05 – Availability and use of Pedestrian Infrastructure Data to Support Active Transportation Planning

• Conversations with Colleagues (CwC) – Webinar Series with 3/4 webinars/year contact: Sarah O’Brien, Chair at swobrien@hsr.unc.edu

• 2021 Call for Papers – Suggest Topics to Sarah O’Brien
NaTMEC

NaTMEC - www.natmec.org

- 2020 - Raleigh, North Carolina
  June 1 – 4, 2020
- 2022 – Boise, Idaho
  June 13 – 16
- 2020 – Workshops (2)
  1. Nonmotorized Statewide Traffic Data Programs and Public Engagement
  2. Getting executive level support when developing nonmotorized volume data programs
- Bike/Ped Data Subcommittee
- Highway Traffic Monitoring

NaTMEC 2020
Connecting Travel Monitoring to Transportation System Safety and Mobility

* * * REGISTRATION NOW AVAILABLE * * *

JUNE 1-4, 2020
RALEIGH, NC
Traffic Monitoring Guidebook (TMG) Update

- Current 2016 TMG Link https://www.fhwa.dot.gov/policyinformation/tmguide/
- Update Project: ARA/Case Engineering/Marlin Engineering under contract to update the TMG Guidebook
  Bike/Ped Chapter to be fully integrated into the guidebook
  - Currently 450 pages, plan to reduce content
  - TMG Review Panel - 18 Subject Matter Experts across the nation
    - Steven Bentz – Florida Department of Transportation
    - Rodney Chatman – Forward Pinellas
Program Update
Non-Motorized Data Repository

Transportation Data Management System (TDMS)

• Motorized and Non-Motorized Data Migration is underway

• New TDMS is expected to go Live Mid - 2020

• All Non-Motorized Traffic Monitoring (NMTM) Program counts will be displayed on TDMS platform

• Current Manual process
  • Data storage
  • Data handling
  • Spreadsheets
  • Manual graphs
  • Limited QA/QC ability
Non-Motorized Repository Location Database

All 500+ locations have been proposed by local agencies and organizations.
Data Sharing

Thank you to following agencies!

We are overwhelmed!
Continuous Counts
Continuous Counts - Test Site
Counter Location – City Scale
County Scale
Continuous Counts – District 6

THANK YOU!
State Transportation Innovation Council (STIC)

FHWA STIC Grant Award

• Awarded $100,000 toward procurement and installation of 8 continuous counters, 1 per FDOT District

• Sites selected based on Safety Data

• Partnering with Safety Office, FDOT Districts, and Local agencies
Selection Criteria

Florida's Pedestrian and Bicycle Focused Initiative 2018-2019 Top 25 High Priority Counties

Legend
- Top 25 Counties
- FDOT District
  - D1
  - D2
  - D3
  - D4
  - D5
  - D6
  - D7

District 1
- Collier
- Lee
- Manatee
- Polk
- Sarasota

District 2
- Alachua
- Duval

District 3
- Bay
- Escambia
- Leon

District 4
- Broward
- Palm Beach
- St. Lucie

District 5
- Brevard
- Lake
- Marion
- Orange
- Osceola
- Seminole
- Volusia

District 6
- Miami-Dade
- Monroe

District 7
- Hillsborough
- Pasco
- Pinellas
Selection Criteria

Source: FDOT Safety Office
City Scale
District 7: Downtown Tampa
District 7: Downtown Tampa

THANK YOU!

U.S. Department of Transportation
Federal Highway Administration

FDOT
District 7

Hillsborough County Florida

City of Tampa

Tampa Downtown Partnership
City Scale: Overseas Heritage Trail
Thank You!

District 6: Key West Overseas Heritage Trail
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<th>Managing Agency</th>
<th>STIC Grant Criteria</th>
<th>Anticipated Factor Group</th>
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Continuous Count Best Practices

• Know the type of technology needed for your facility
  • Entity bought a counter that did not match facility surface type

• Site selection process
  • It all started with a survey
  • Virtual site visit
  • On-site visits

• Communication is key
  • Creation of the statewide coalition
  • Data sharing!

• Continuous Coordination
  • Sharing resources
  • Common Goals
  • *Statewide meeting in May!*
Poll Questions
Short-term Count Program
Where we have done short-term counts
District 3 Scale
Tallahassee – Capital Region
Franklin Blvd @ Smokey Hollow

GPS: 30.4387669, -84.2766337
FDOT Station # 55N002

On-Site Evaluation

Site Deployment
Findings:
• Potential Factor Group: Urban Mixed
• Higher Volumes during the weekend, but only slightly
**NOAA Weather reference**

### Climatological Data for TALLAHASSEE REGIONAL AP, FL - October 2019

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FAMU Way Shared Path

GPS: 30.43, -84.29
FDOT Station #55N003
FAMU Way Shared Path

Findings:
- Potential Factor Group: Urban Mixed or University Mixed
- Higher Volumes during the weekend
- Site effected by “First Friday of Month” event

Further Analysis Needed:
- Scooter vs bike traffic
District 2 – Gainesville Count
City Scale
Next Steps

Continuous Counter Recommendations

Short term deployments now include infrared pedestrian counters

Get your MOAs completed to get loaner equipment reserved!

THANK YOU, PARTNERS!
Short-term Count Program – Transit Study

Scope

- 3 technologies
  - Tubes
  - Infrared
  - Cameras
- Support NMTM program and Transit Planning practice

THANK YOU!

Public Transit Office
Short-term count Best Practices / Lessons Learned
Site 5 – Gale Dr. South of Stadium Dr.

- GPS: 29.647409, -82.349775
- Counters: 2 bike tube counters deployed
- Facilities: 2 bike lanes, 2 sidewalks
- Other notes: Adjacent to UF stadium, Adjacent to Transit stop, High Bicycle Crash location, High levels of bicycle activity observed
Site 6 – Gale Dr. @ Stadium Dr.

- GPS: 29.648655, -82.348826

- Counters: 3 bike tube counters deployed

- Facilities: 2 bike lanes, 1 wide sidewalk

- Other notes: Adjacent to UF stadium, High Bicycle Crash location, High levels of bicycle activity observed
2 minutes of FAQ

What equipment is available through the loaner program?

What is the difference between an intersection (TMC) count and a mid-block volume count?

Why 2-week counts?
  - Weather
  - Equipment issues
Outreach

NMTM Webpage:

Outreach

• Quarterly Statewide Updates
  • Statewide Meeting
  • Newsletter
  • Webinar
  • Newsletter
  • Statewide Meeting
Outreach - Statewide Meeting #2 – May 2020

Knowledge sharing

Field day at Test Site

Recommend count sites
Call to Action!

This is a statewide effort! We can't do this alone! We look forward to collaborating with you!

Questions:
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EStolz@marlinengineering.com

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Victor.Johnson@dot.state.fl.us
Poll Questions / Questions from Audience