

JOINT FLORIDA
Model Task Force & Transportation
Data and Analytics Workshop

FTO FDOT TDA
INTEGRATING & TRANSFORMING DATA & SERVICES

Transportation Monitoring Program

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SAFETY

- Weigh-In-Motion (WIM) Program: 40+ Sites Statewide
 - Coordination with Motor Carrier Size & Weight (MCSAW)
 - Implementation of use of optical fiber for count site communications
- Non-Motorized Transportation Monitoring Program
 - 30 Infrared Presence Detectors
 - 20 Road-Tube Bicycle Counters
 - 5 Continuous Count Multi-Sensor Sites Installed, so far
- Study on Motorcycle Undercounting & Classification
- Study on Congestion Factor and Recreational Traffic Factors
- Study on Transit – Pedestrian – Bicycle Intermodal Activities



2

SAFETY

Video Data Collection Example Near Bus Stop



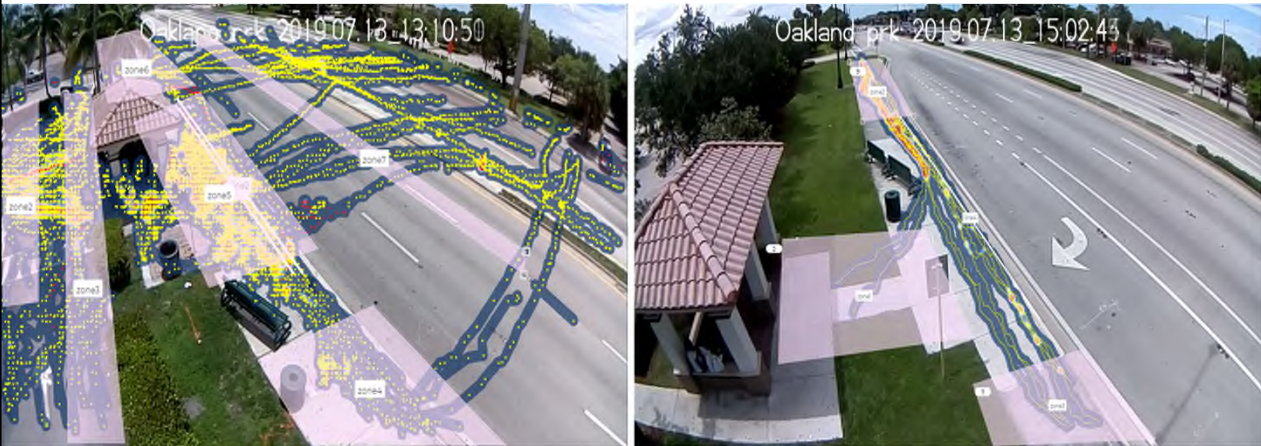
Oakland prk 2019.07.13_13:37:30



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INNOVATION

AI Technology to Track and Count Pedestrians and Bicycle Activity



Oakland prk 2019.07.13_13:10:50



Oakland prk 2019.07.13_15:02:43



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INNOVATION

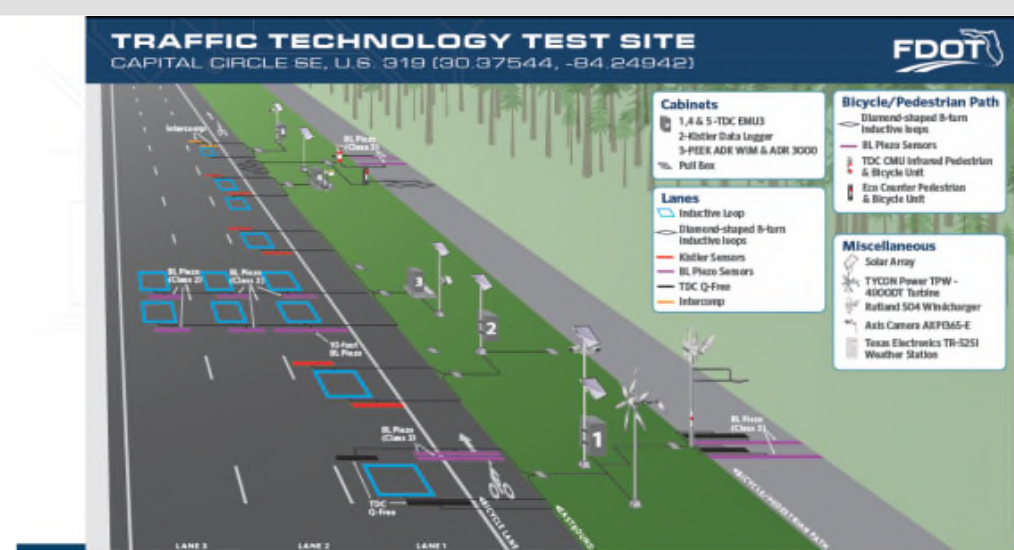
- Continuous Improvement
 - POTS ➡ Cellular ➡ Fiber Optics – Communications
 - WIM: Bending Plate ➡ Quartz-Piezo
 - Emergency Shoulder Use (ESU) Volume and Speed Counts
 - Non-Intrusive Sensors: Video for Volume and Classification?
 - Non-Motorized Data Collection – New Program & Technologies






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INNOVATION

TRAFFIC TECHNOLOGY TEST SITE
 CAPITAL CIRCLE SE, U.S. 319 (30.37544, -84.24942)








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MOBILITY

- End of Year Processing (EOYP)
 - Process Continuous Data
 - Calculate Factors such as: K, D, T, PSCF, MOCF, PSF, etc.
 - Process Short-Term Data
 - Produce Annual Statistics such as AADT, K, D, & T Factors
- MS2 Traffic Data Management System Replacing TPAS
 - Utilizes a Public-Facing Web Interface
 - Survey Processing Software (SPS) Will No Longer Be Needed



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MOBILITY

DATA TREE: INTERNAL & EXTERNAL CUSTOMERS OF ROADWAY & TRAFFIC DATA





Continuous Monitoring Program
You are here
Short-term count program



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ANY QUESTIONS?

Thank You and Enjoy the Workshop!

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