



Bicycle and Pedestrian Advisory Committee

May 2, 2024 Ed Ball Building, Room #3112

Image: Hanging bike-ped bridge – Source: Google Earth

ABOUT US

The BPAC educates, supports, promotes, & advocates for the needs of pedestrians & bicyclists throughout the City of Jacksonville



Bicycle and Pedestrian Advisory Committee (BPAC)	
Agenda for 05/02/2024 Meeting	
5:30 – 6:00 PM	Virtual Presentation: "Near Miss" Cameras @ Beach Blvd and St Johns Bluff Rd Chad Jacobs, VivaCity Labs
6:00 - 6:15 PM	Introductions and adoption of April 2024 minutes
6:15 - 6:30 PM	Core-2-Coast Alignment Study Survey Matt Fall, COJ Bike-Ped Coordinator
6:30 - 6:50 PM	World Day of Remembrance Event Discussion Matt Fall, COJ Bike-Ped Coordinator
6:50 – 7:00 PM	Wrap-up / Announcements / Next Meeting Info
	Adjourn

Smart Traffic Monitoring & Smart Road Safety

Helping cities to overcome their biggest transportation challenges







24/7 traffic monitoring and Near Miss insights Market leading multimodal classifications

API integrations and dashboard access



ivacy by design: ionymous and secure d Easy access to real-time data

97% accuracy validate by Transport for Londo

vivacitylabs.com/north-america



Agenda



viv^



An Introduction to Viva



- Cutting-edge global tech company w/HQ in London
- Founded in 2015
- Over 140+ staff
- > Working with 100+ communities



Tackling the Four Big Problems

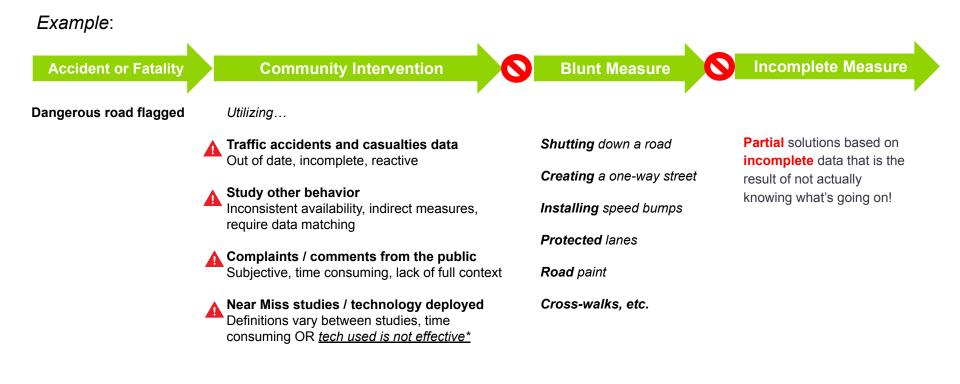




Reducing congestion and improving road safety to support Vision Zero Boston

Impact of existing approaches

We strive to make roads more equitable, less congested, and safer... Yet, are kept further from that goal by the tools we have today.



Generated by smart technology

Computer Vision Sensor





Data Platform

API



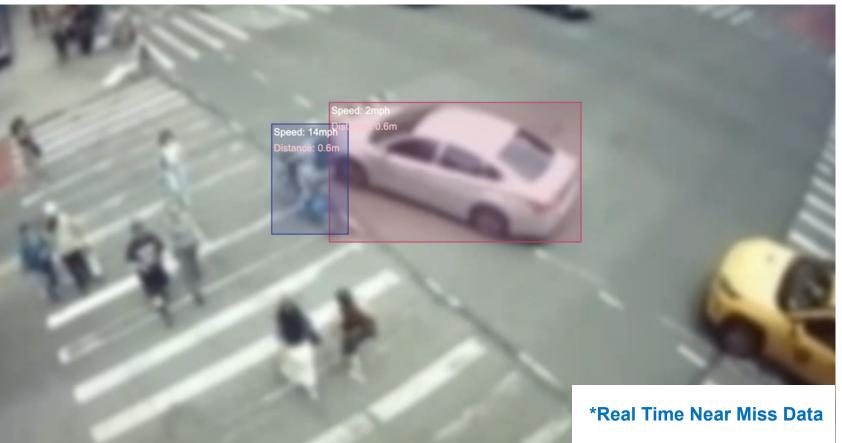
> Privacy-by-design

Real-time data

> 10 classes > 97% accuracy

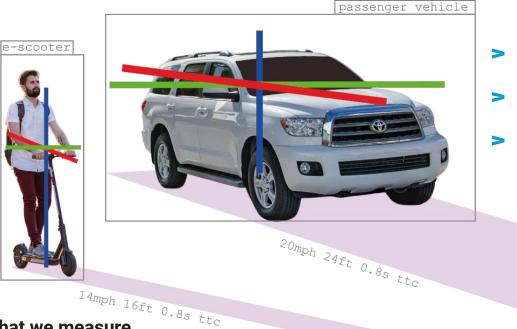


A Measure of Road User Interaction



viv^

'3D pose' allows us to precisely detect Near Miss events



Capture and monitor multiple points of an object

- Accurately determine the occupied road space

Track, analyse and project road user behaviour

What we measure

- True centre point and dimensions >
- Object path, speed & distances
- Relative proximity of road users

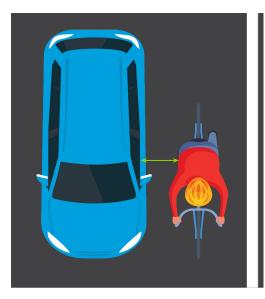
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The road to Vision Zero: An AI-powered approach

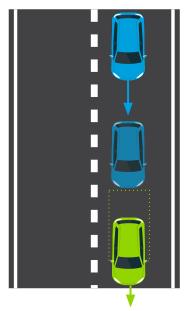
Use of Safety Metrics

We have identified three principle detection methodologies

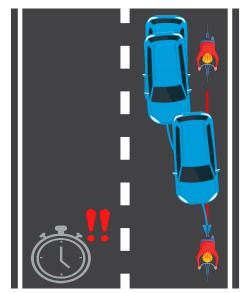
Proximal



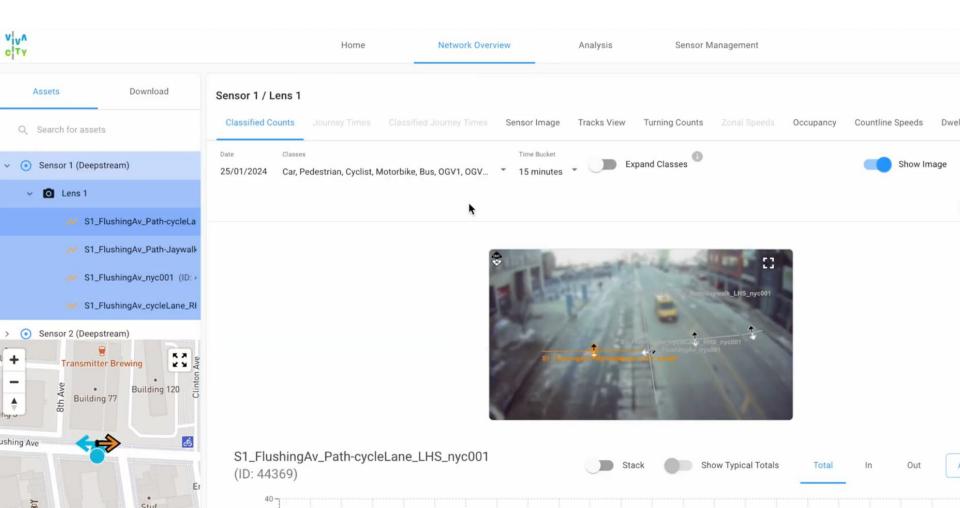
Time to collision



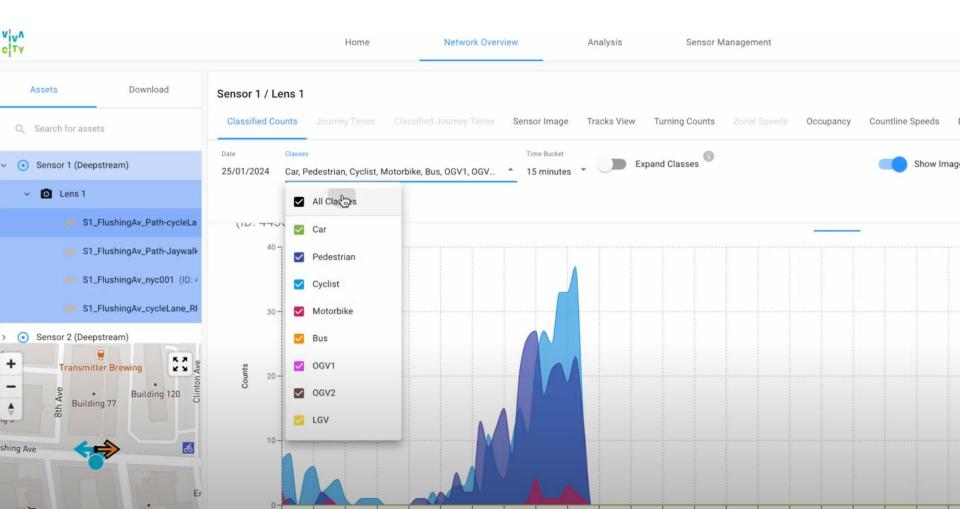
Post-encroachment Time



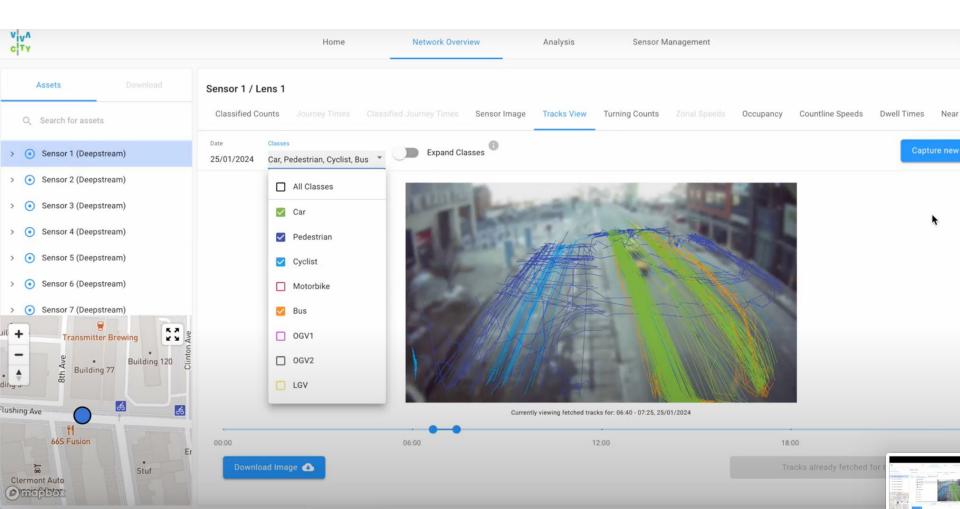
Classified Counts

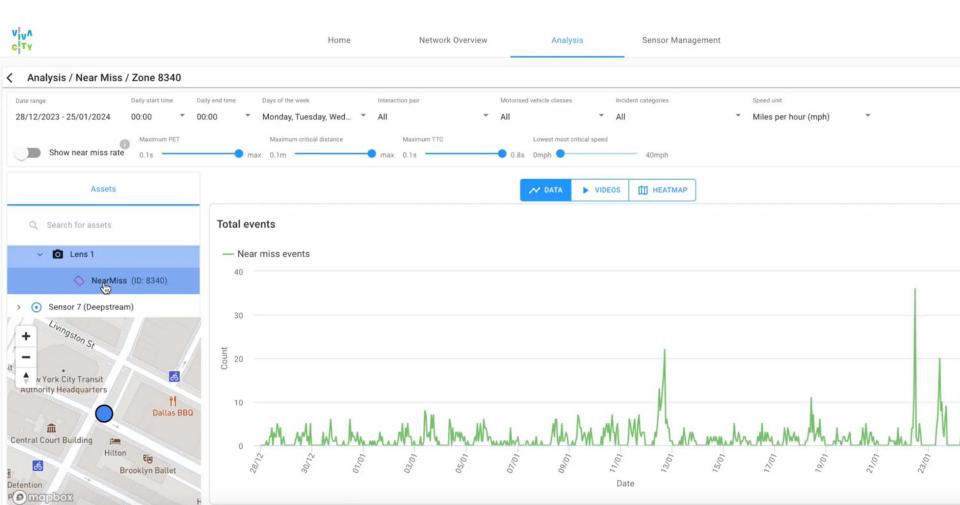


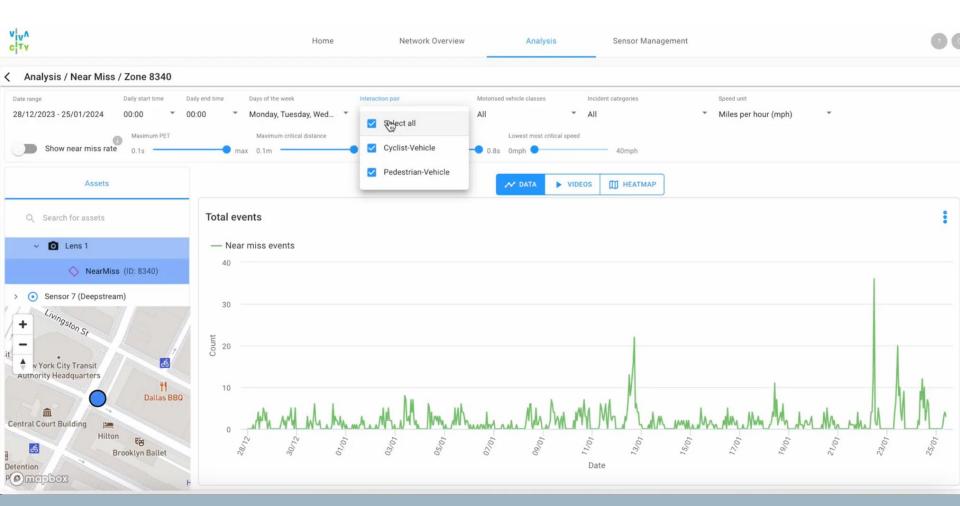
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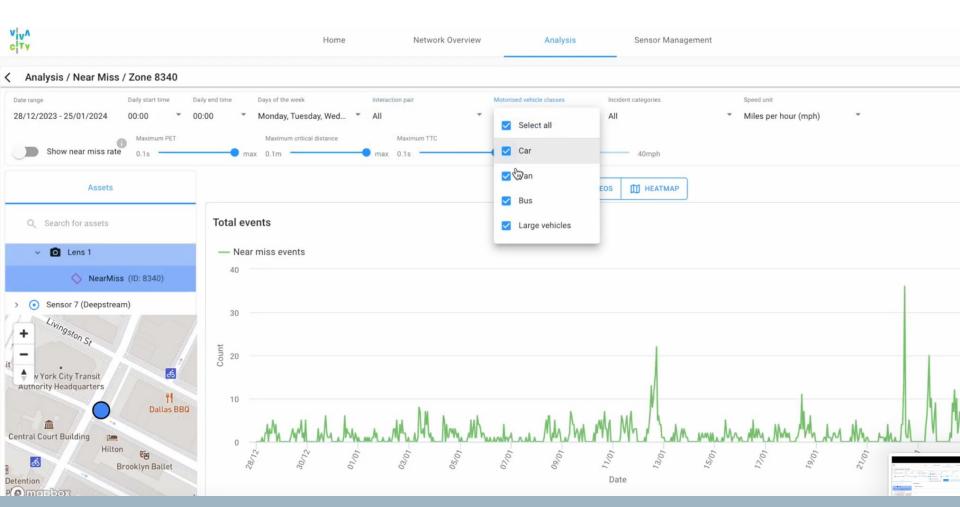


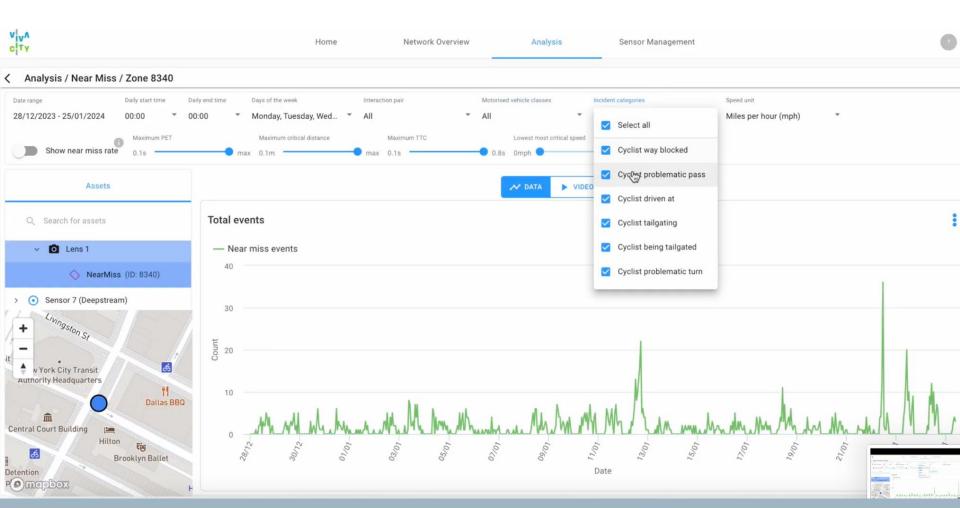
Vehicle Tracks

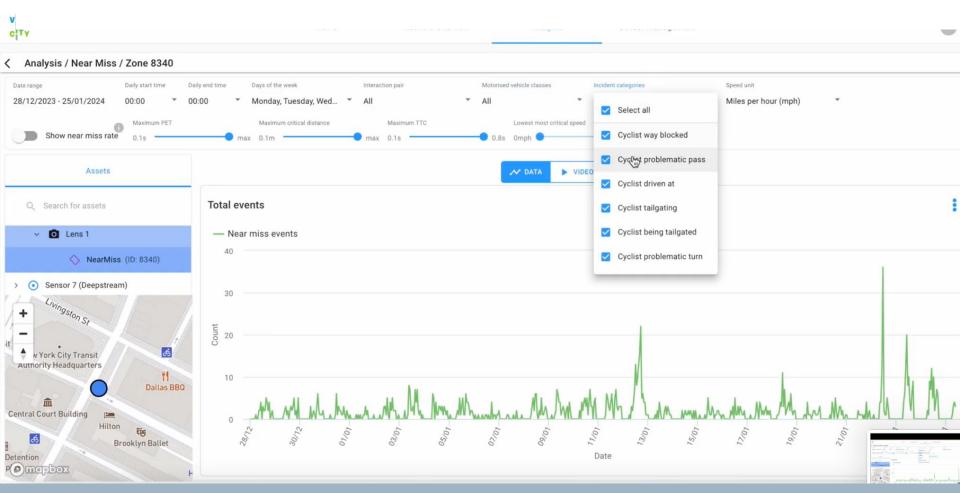


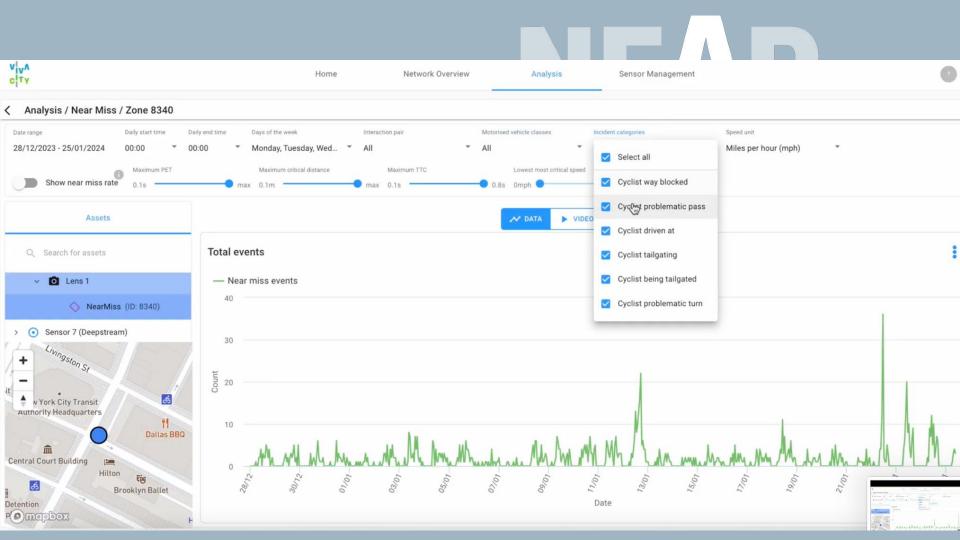




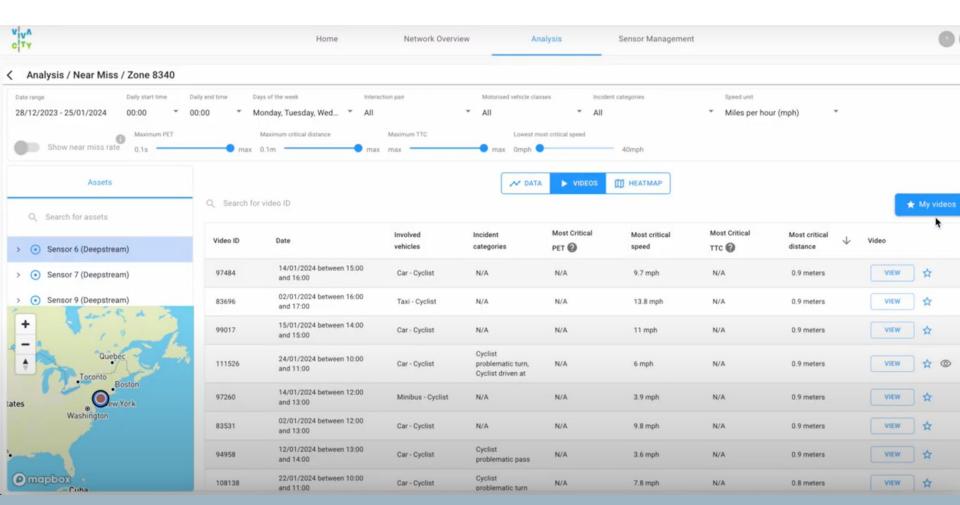


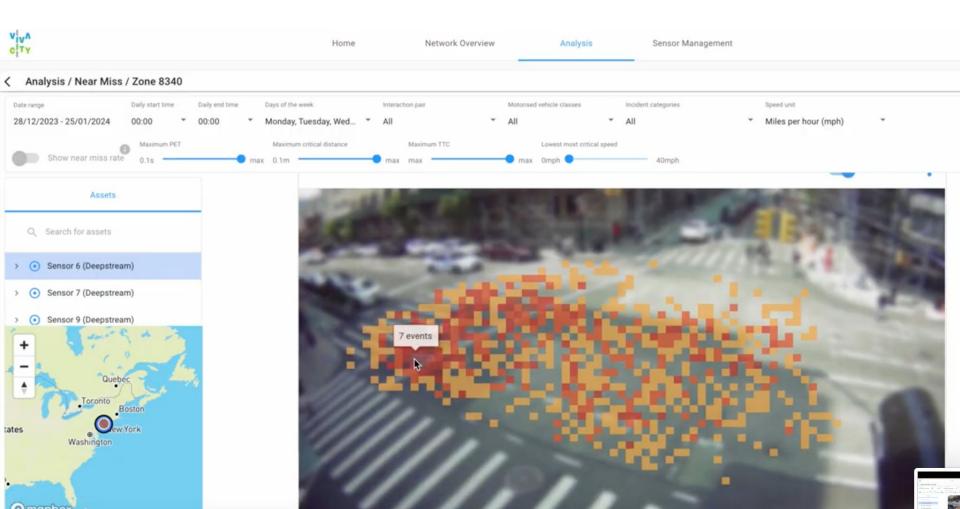


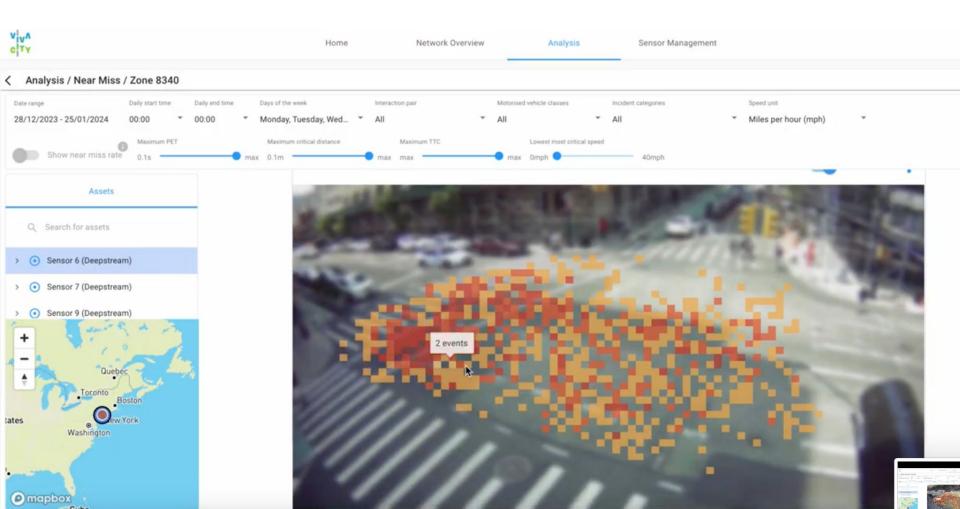


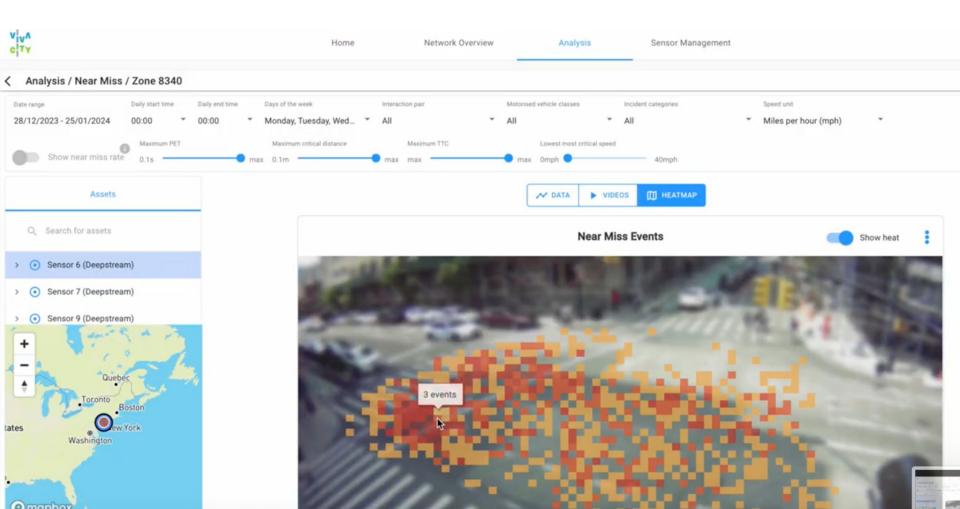


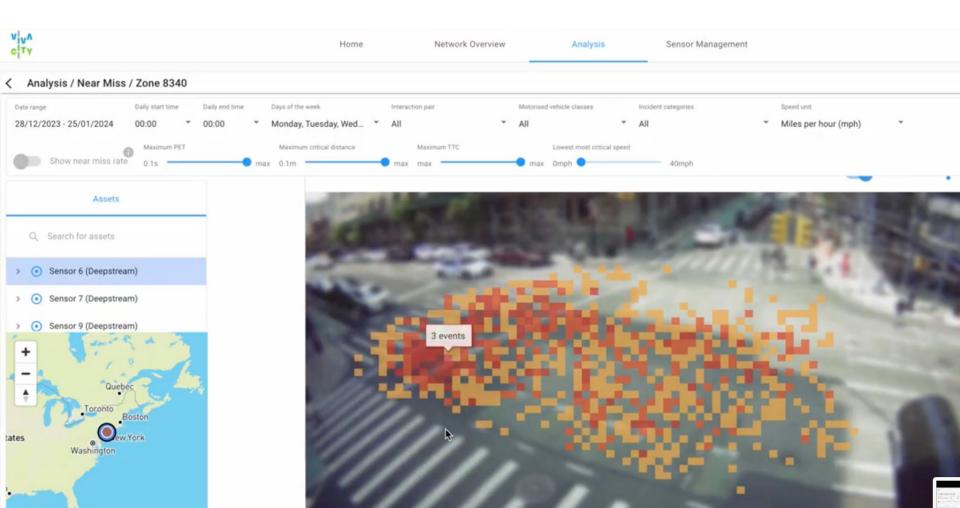
Near Miss Videos

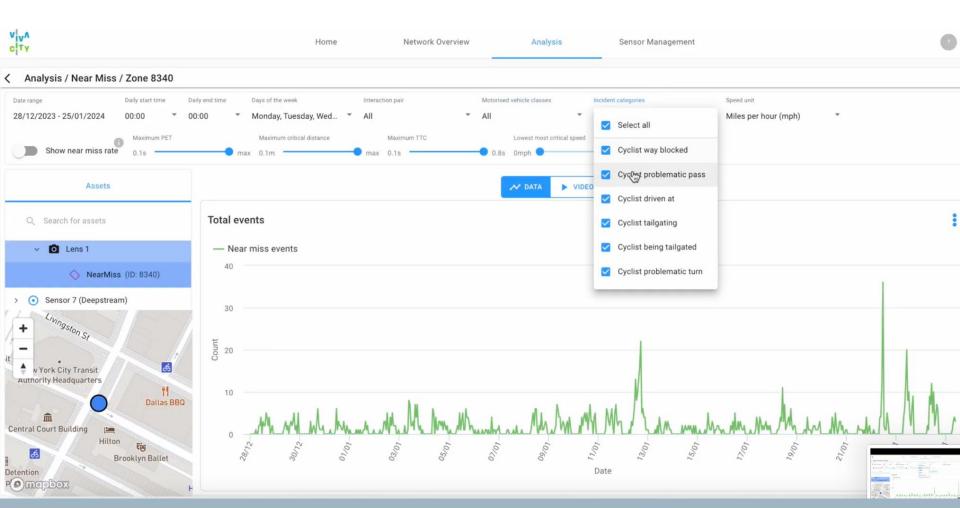












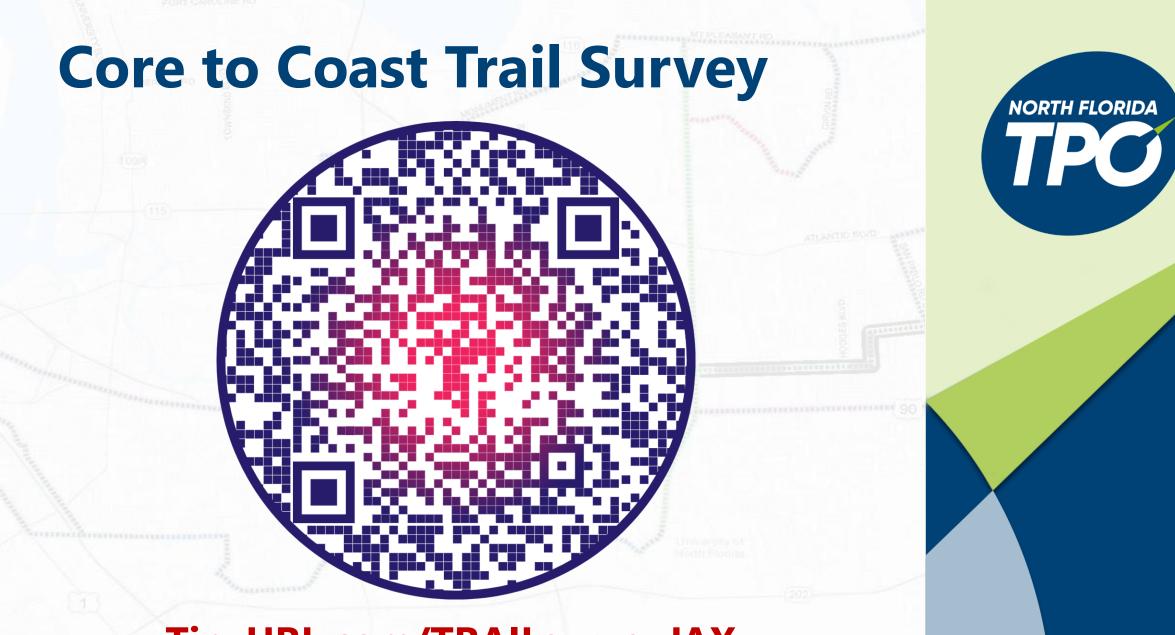
FORT CAROLINE RO

Core to Coast Trail Survey

- NFTPO and COJ
- Alignment study underway
- Continuous shared-use path (SUP)
- Fuller Warren Bridge SUP to the Beaches
- <u>https://www.surveymonkey.com/r/N6MD72L</u>
- Survey closes May 20, 2024
- Study completion June 30, 2024



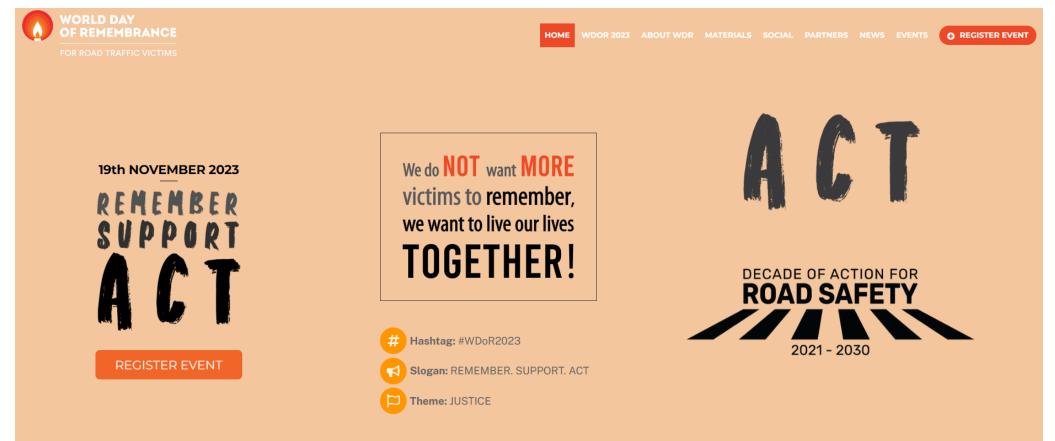
NORTH FLORIDA



TinyURL.com/TRAILsurveyJAX

World Day of Remembrance 2024

WorldDayofRemembrance.org





World Day of Remembrance







SR 228 ACCESS MANAGEMENT PUBLIC MEETING FDOT Urban Office Training Building, 2198 Edison Avenue, Jacksonville, FL 32204

APRIL 25, 2024

Post Street (State Road 228) at Old Roosevelt Boulevard Intersection Improvement Project

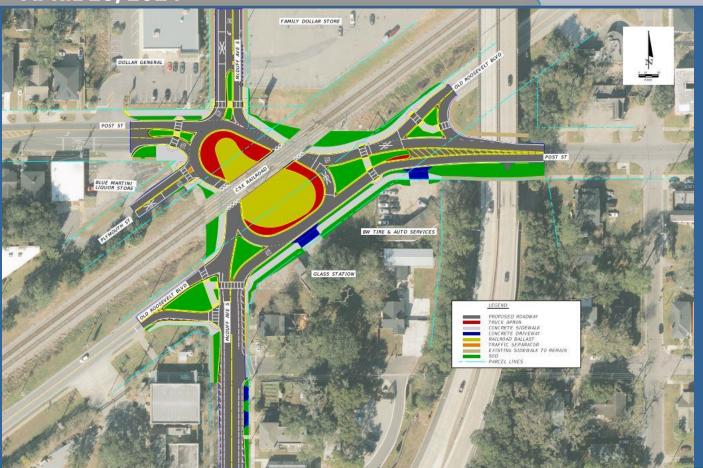
Project type: Resurfacing/Rail Safety

Start date: Early 2025*

Completion: Summer 2026*

Estimated cost: \$6.5 million*

*Details subject to change



Project Overview

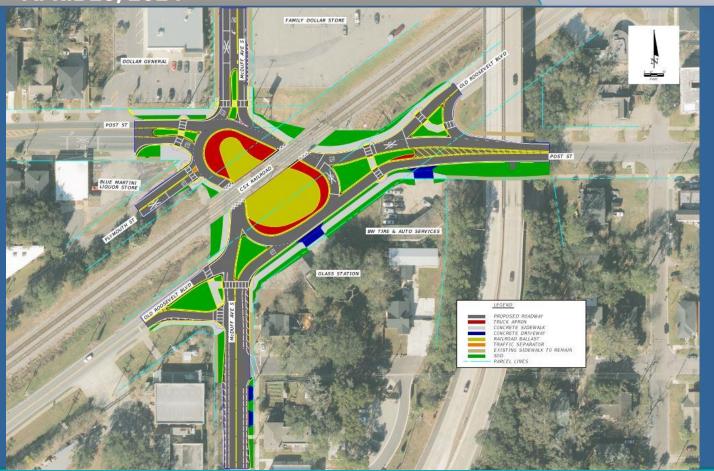


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APRIL 25, 2024

Proposed improvements include:

- Intersection modification at Post Street and Old Roosevelt Boulevard to increase rail safety
- Updated signage, lighting and signals
- ADA sidewalk upgrades



Proposed Improvements

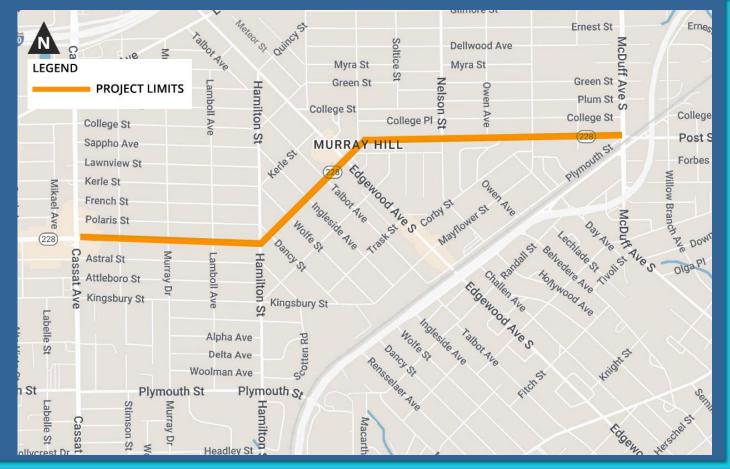


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Proposed improvements include:

 A companion project (209443-2) includes milling and resurfacing Post Street from Cassat Avenue to Old Roosevelt Boulevard.



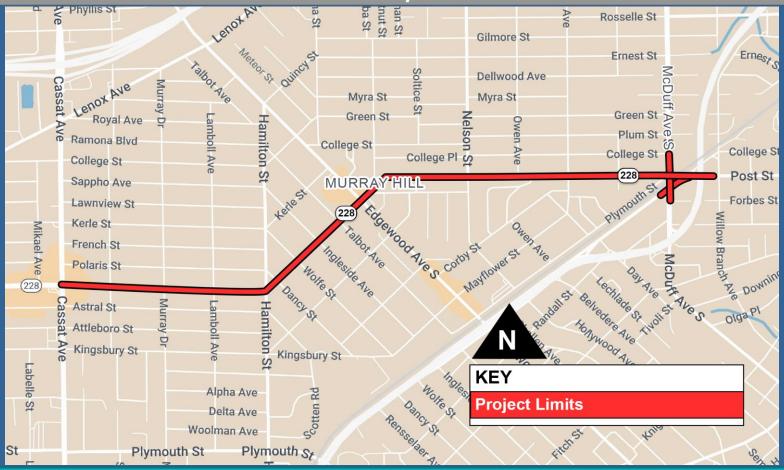
Proposed Improvements



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Project Limits



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Written comments must be postmarked, emailed or submitted online at nflroads.com/vph by May 6, 2024 to be included in the public record.

Public participation is sought without regard to race, color, religion, sex, age, national origin, disability or family status.



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APRIL 25, 2024

Your comments may be mailed or emailed to

Renee Brinkley 1109 South Marion Avenue Lake City, FL 32025-5874

Renee.Brinkley@dot.state.fl.us

Comments may also be submitted online at www.nflroads.com/vph by May 6, 2024

Thoughts? Comments?

