



BPAC

Bicycle and Pedestrian Advisory Committee (BPAC)

June 6, 2024

Ed Ball Building, Room #3112

ABOUT US

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



AGENDA

Bicycle and Pedestrian Advisory Committee (BPAC)	
Agenda for 06/06/2024 Meeting	
5:30 - 5:45 PM	Introductions and Adoption of Minutes
5:45 - 6:15 PM	JTA's Creating Safe Spaces Plan Jeremy Norsworthy, Program Manager, Planning and Analytics, Jacksonville Transportation Authority (JTA)
6:15 - 6:45 PM	Open Discussion: 2024 Dangerous by Design & Trends in Pedestrian Fatalities in Jacksonville Lauren Rushing, BPAC, Vice Chair
6:45 – 7:00 PM	Wrap-up / Announcements / Next Meeting Info
	Adjourn





Creating Safe Spaces Action Plan- A Safety Action Plan for Transit

Bicycle and Pedestrian Advisory Committee June Meeting

06/06/2024



Agenda



- I. PURPOSE & NEED
- II. SAFE SYSTEMS APPROACH
- III. SAFETY ANALYSIS
- IV. SURVEY
- V. NEXT STEPS





TEAMWORKS



TRANSITWORKS



MOBILITYWORKS



CUSTOMERWORKS



REGIONALWORKS



INNOVATIONWORKS



COMMUNITYWORKS

Purpose & Need



Ranking the most dangerous metro areas

This report includes pedestrian fatality statistics and ranks the largest 101 metro areas. All are too dangerous. As with the 2022 edition of this report, we examine a five-year period (2018-2022) to get a broader sample size for each metro area. Long-term fatality rates are calculated by comparing the average rate from 2013-17 to the average for 2018-22.

Search:

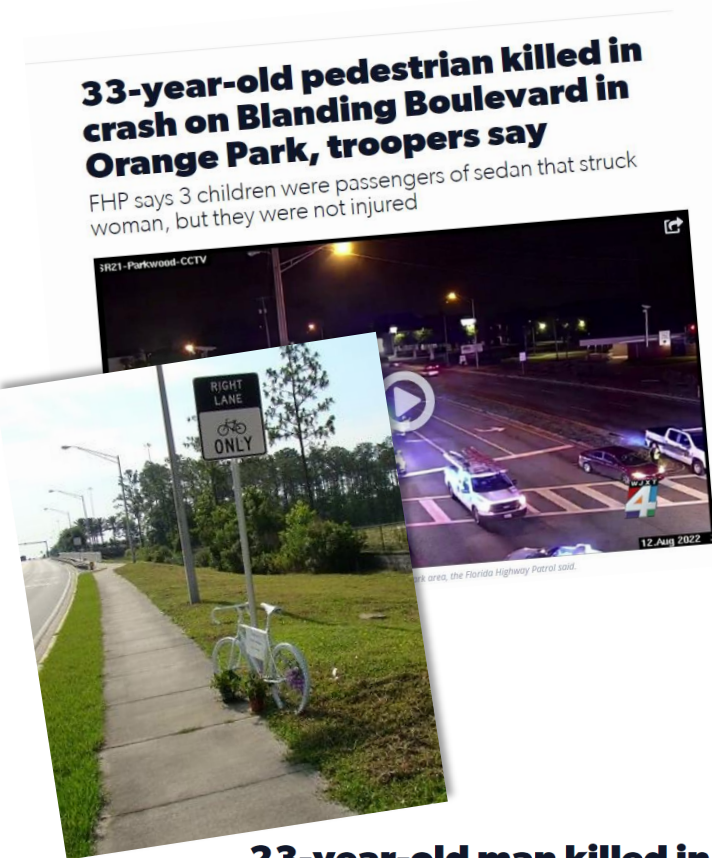
Rank	Metro Area	Avg. annual pedestrian fatality rate per 100k people (2018-2022)	Pedestrian deaths (2018-2022)	Pedestrian deaths (2013-2017)	Long term trend in fatality rate
1	Memphis, TN-MS-AR	5.14	343	186	2.37
2	Albuquerque, NM	4.83	221	138	1.78
3	Tucson, AZ	4.16	217	105	2.08
4	Bakersfield, CA	3.99	181	151	0.55
5(t)	Deltona-Daytona Beach-Ormond Beach, FL	3.96	134	107	0.53
5(t)	Baton Rouge, LA	3.96	172	99	1.57
7	Fresno, CA	3.89	196	111	1.60
8	Tampa-St. Petersburg-Clearwater, FL	3.75	599	500	0.39
9	Charleston-North Charleston, SC	3.66	147	97	1.05
10	Little Rock-North Little Rock-Conway, AR	3.63	136	62	1.93
11	Palm Bay-Melbourne-Titusville, FL	3.47	106	107	-0.30
12(t)	Columbia, SC	3.46	144	94	1.14
12(t)	Riverside-San Bernardino-Ontario, CA	3.46	797	572	0.90
14	Miami-Fort Lauderdale-Pompano Beach, FL	3.44	1054	851	0.61
15	Jacksonville, FL	3.40	274	260	-0.20
16	Cape Coral-Fort Myers, FL	3.29	127	91	0.69
17	North Port-Sarasota-Bradenton, FL	3.27	138	111	0.38
18	Orlando-Kissimmee-Sanford, FL	3.26	437	370	0.17
19	Stockton, CA	3.23	126	89	0.78
20	Sacramento-Roseville-Folsom, CA	3.15	377	238	1.05

Purpose & Need (Cont.)



Pedestrian struck, killed on Dunn Avenue

THE TOP 20 Most dangerous metropolitan areas for pedestrians (2016-2020)



23-year-old man killed in crash on Chaffee Road



Crash seriously injures 2 children on Moncrief Road near Golfair Boulevard: JSO



Elderly woman dies after being struck by car while trying to help injured dogs in Fort Caroline

Safe Systems Approach



Shift from conventional safety approach to **human-centric approach**

Accounts for:

Human mistakes AND human vulnerability

Designs a system with many redundancies in place to protect everyone



Safety Analysis



Crash Data (2018 – 2024)

Source: *University of Florida, Signal 4 Analytics*



Safety Analysis (Cont.)



2,473 assets analyzed

- Transit assets
- Existing mobility hubs
- Future mobility hubs
- Park-n-Ride
- Skyway



Safety Analysis (Cont.)









280 Assets on safety lists

- Pedestrian safety list
- Bicycle safety list
- Vehicle safety list
- Motorcycle safety list



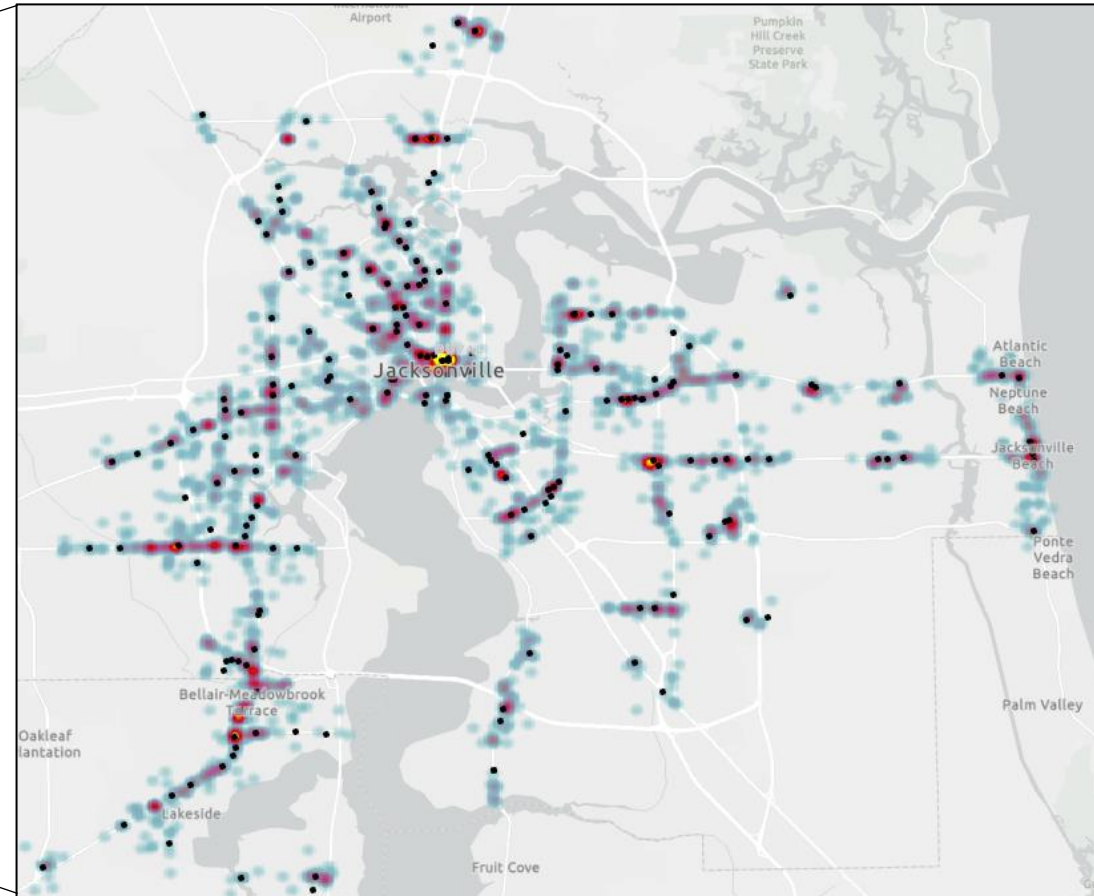
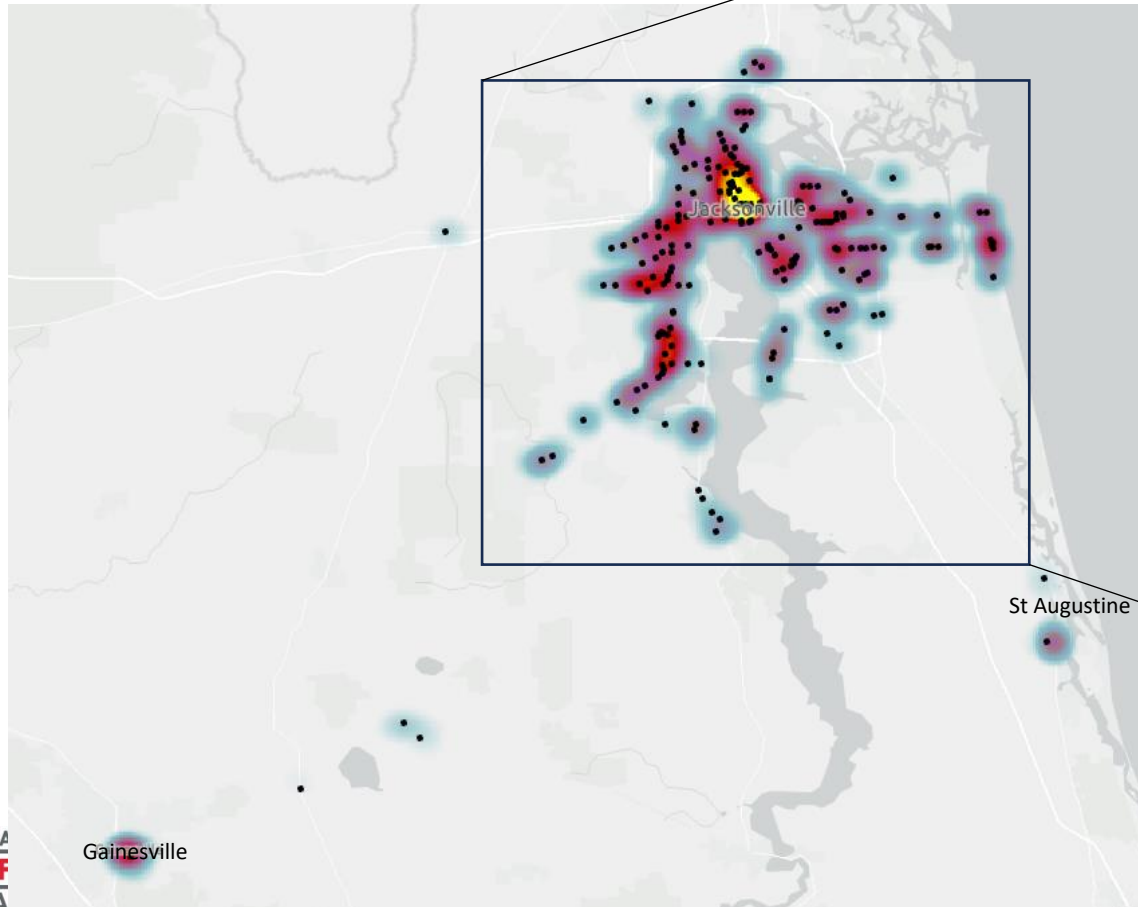
Safety List Assets Pedestrian Crash Summary

-  **45%** occurred during non-daylight hours
-  **29%** were intersection related
-  **12%** involved aging road users
-  **11%** occurred during wet pavement conditions
-  **4%** involved drugs and/or alcohol
-  **6%** were distracted driving related

Safety Analysis (Cont.)



Pedestrian Crashes



● Transit asset

 Pedestrian crashes within 1-mile of transit asset

Safety List Assets Bicycle Crash Summary



52% were intersection related



29% occurred during non-daylight hours



12% involved aging road users



9% occurred during wet pavement conditions

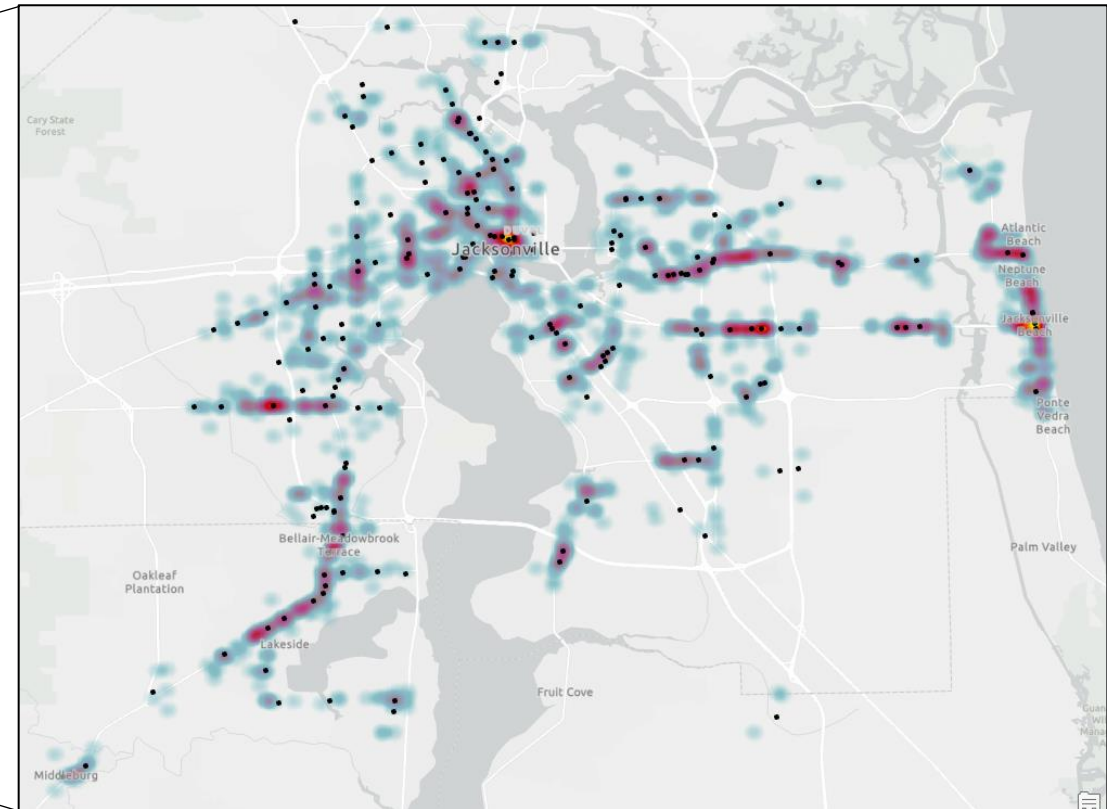
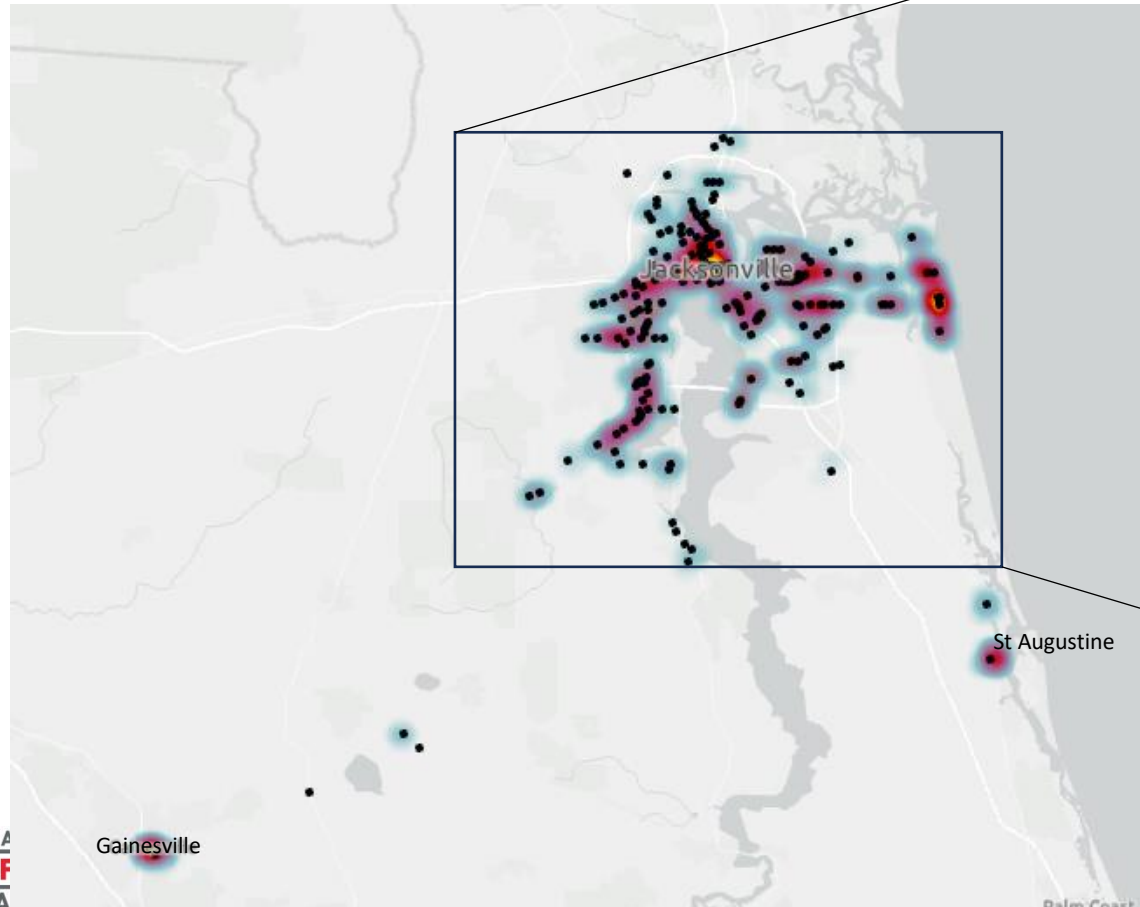


6% were distracted driving related


Safety Analysis (Cont.)



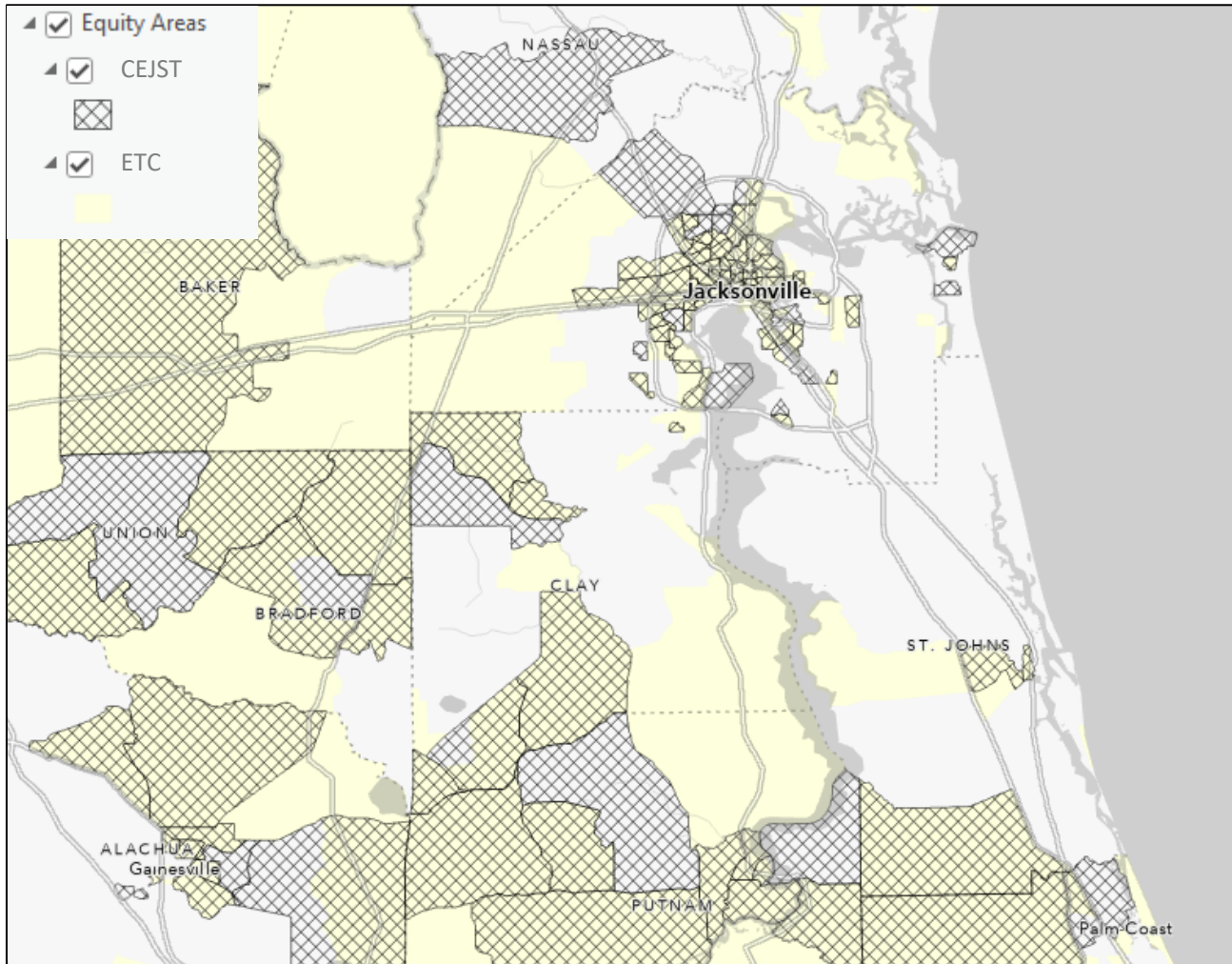
Bicycle Crashes



● Transit Asset

 Bicycle crashes within 1-mile of transit asset

Safety Analysis (Cont.)



USDOT Climate and Economic Justice Screening Tool (CEJST)



136 assets

USDOT Equitable Transportation Community Explorer (ETC)



160 assets

64% of assets on the safety list are located in an **Equity Area**

39% of pedestrian/bicycle crashes within 1-mile of JTA assets are located in an **Equity Area**

Survey



Customer Roadway Safety Survey



Next Steps



Task Force

- Leadership structure
- Engagement
- City of Jacksonville Vision Zero

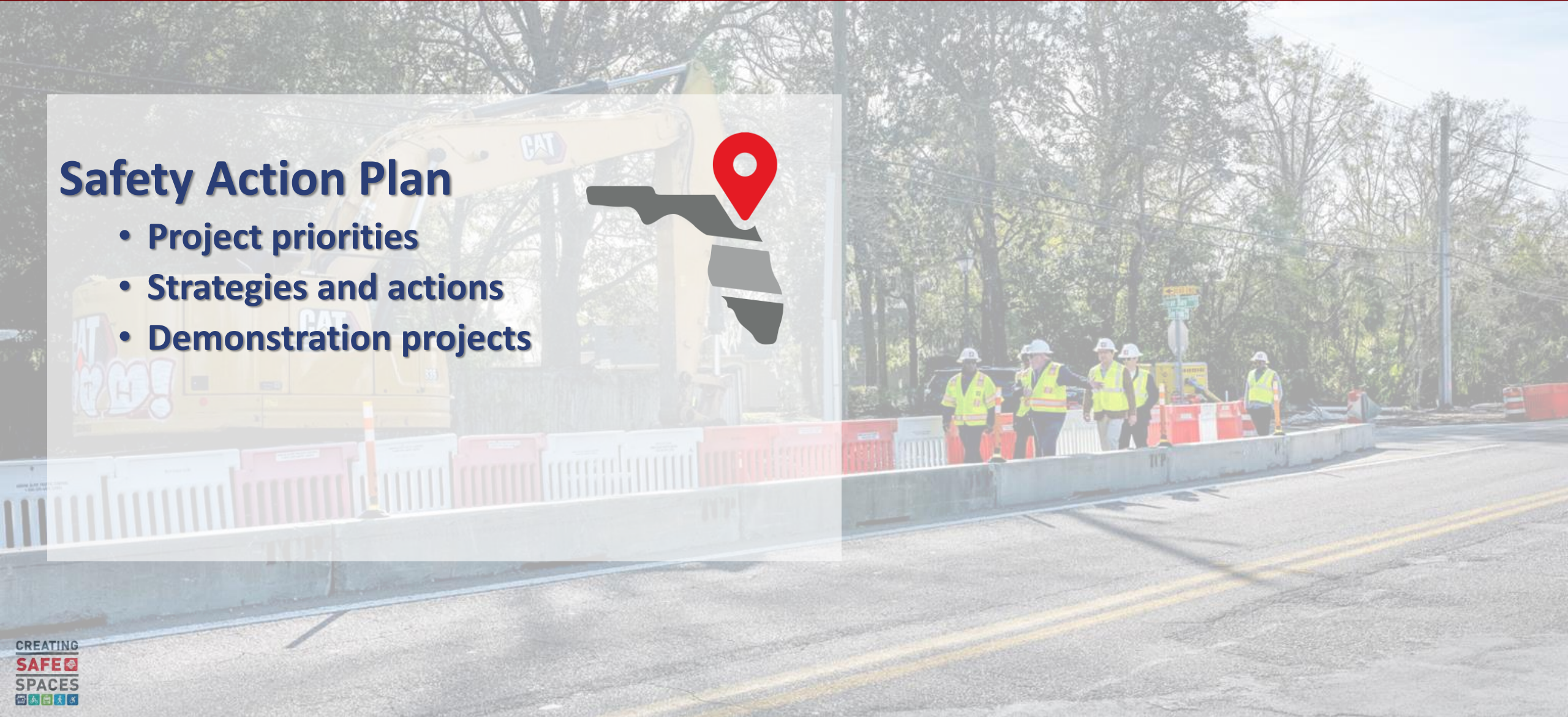


Next Steps



Safety Action Plan

- Project priorities
- Strategies and actions
- Demonstration projects



Questions and Thank You



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Fred Jones, AICP RSP1

Director: Planning + Design Collaborative

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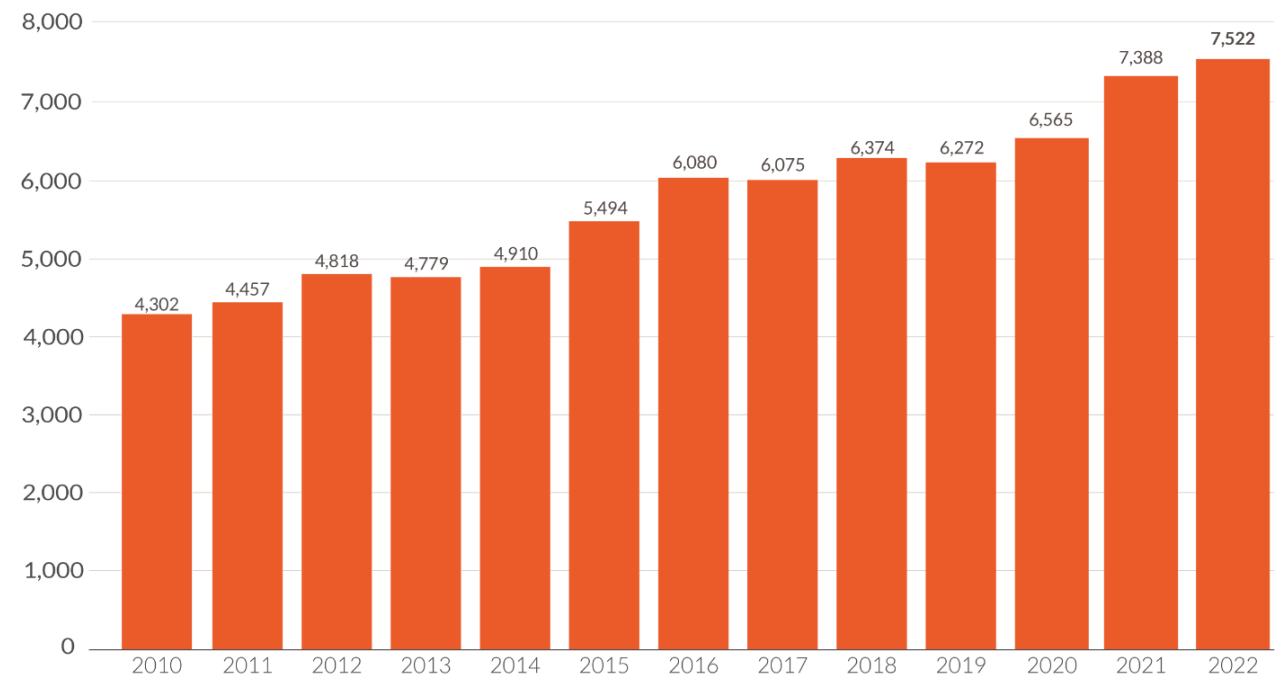


Vision Zero & Bicycle and Pedestrian Safety In Jacksonville, Florida

Dangerous by Design 2024 Report

- Report from Smart Growth America (smartgrowthamerica.org)
- 7,522 people were struck and killed while walking in 2022
- Average of 20 per day
- Marks a 40-year high
- 75% increase since 2010

75 percent increase in the deaths of people walking since 2010



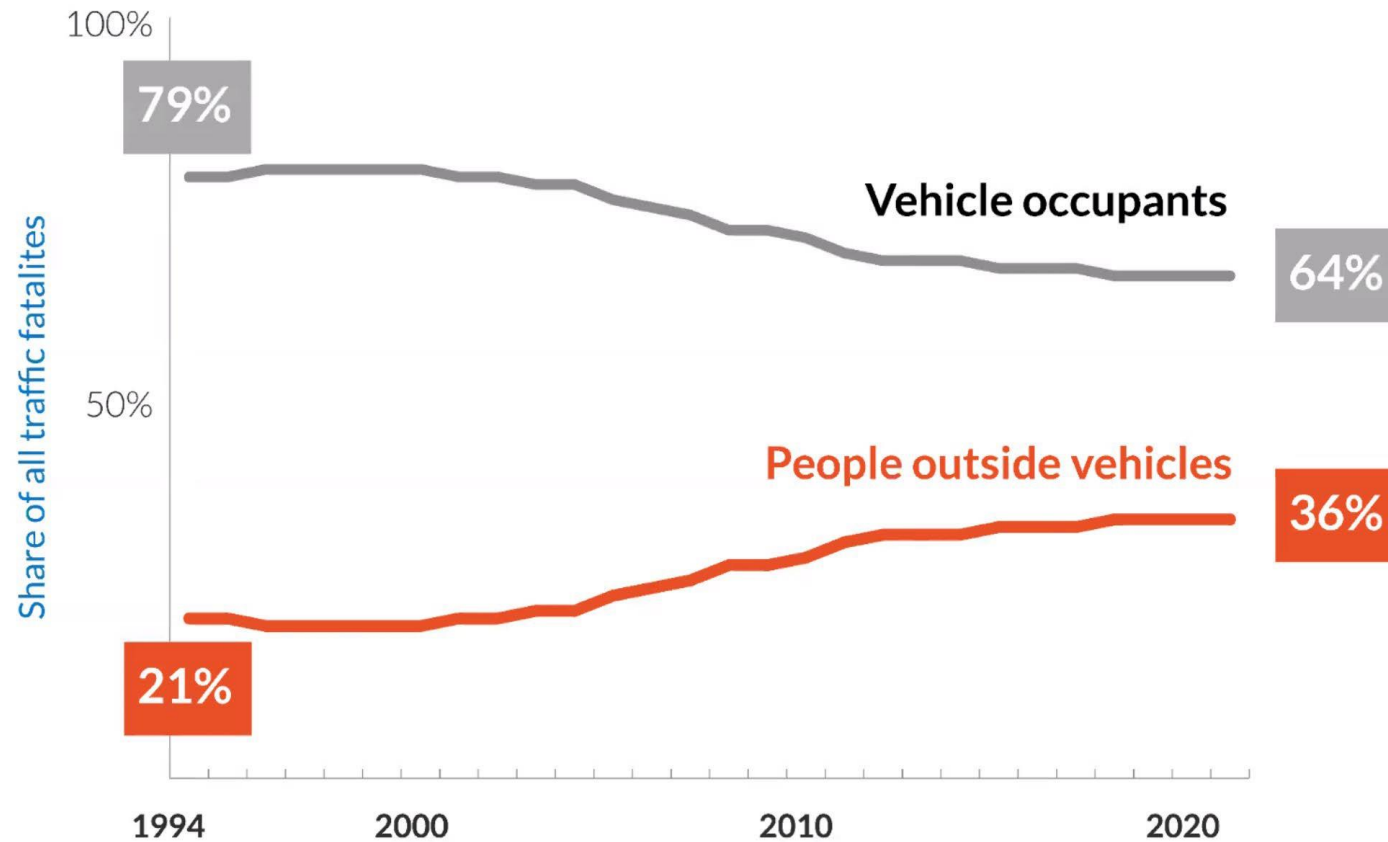
U.S. pedestrian deaths (2010-2022)



Dangerous by Design 2024 Report



A historic share of all deaths are people outside of vehicles



Dangerous by Design 2024 Report

- Pedestrian deaths outpace growth in population in most places
- Florida metros still dominate the top 20 (8 of the top 20)

The top 20 most deadly metro areas for pedestrians

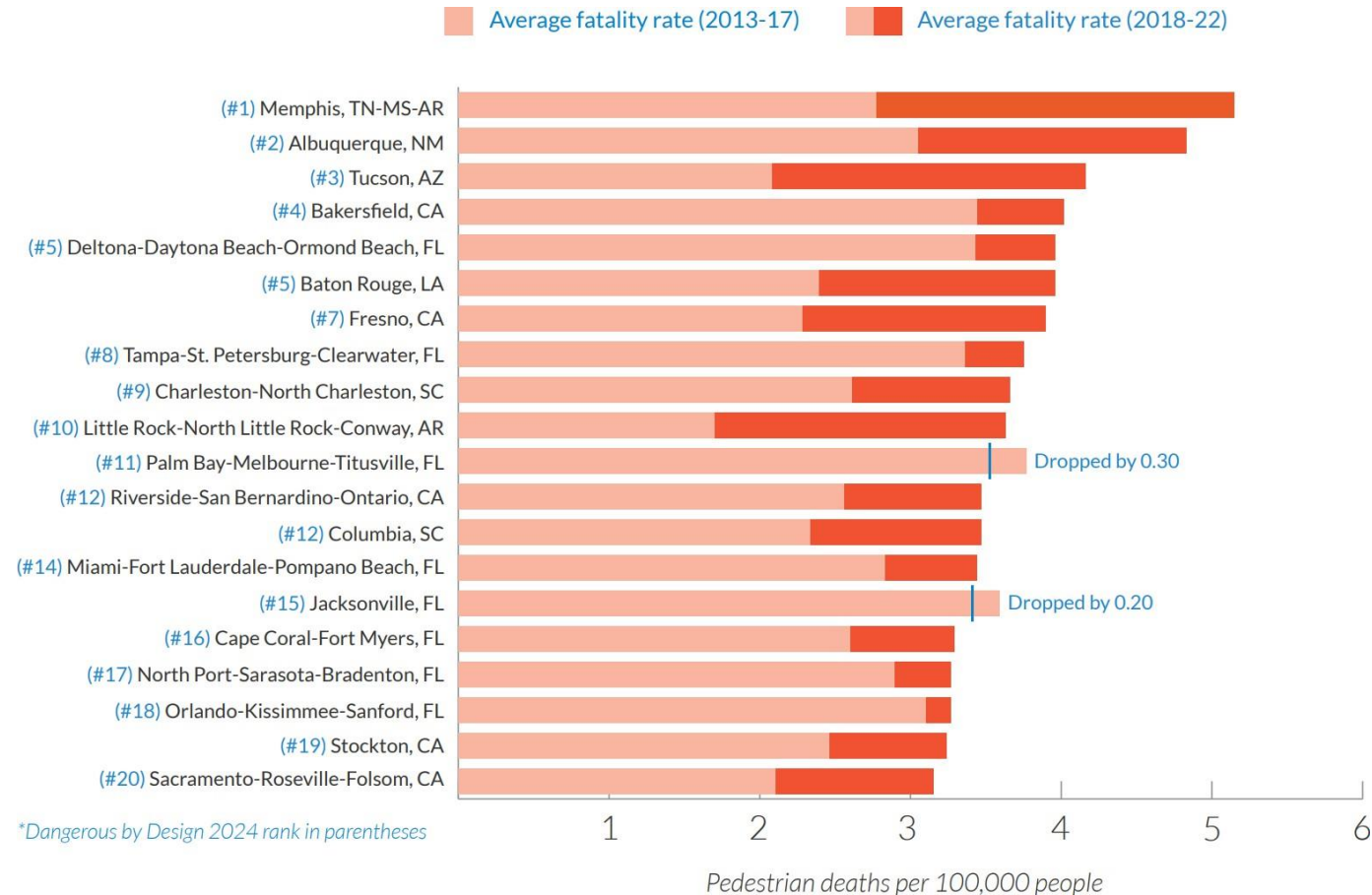
By number of deaths per 100,000 people, 2018-2022

● Top 1-10 ● Top 11-20



Dangerous by Design 2024 Report

- Jacksonville is one of two top 20 most dangerous metro areas whose death rate decreased
- Rate of 3.4 ppl/100k
- Decrease of -0.20 ppl/100k
- 274 pedestrian deaths (2018-2022)
- Ranked #15 (dropped from #6)



Dangerous by Design 2024 Report

Florida metros have shuffled spots but still dominate the list. Florida continues to maintain a sizable presence in the top 20 (8 of 20), though two of those areas (Palm Bay and Jacksonville) are on the very short list of metros trending less deadly long term (comparing 2013-2017 average to 2018-2022). However, **in Jacksonville, the total number of deaths actually increased** across those five-year periods, from 260 to 274, which means their **improved fatality rate (-0.20) was due entirely to their population growth.**



Understanding the Trends

Recent Local Research

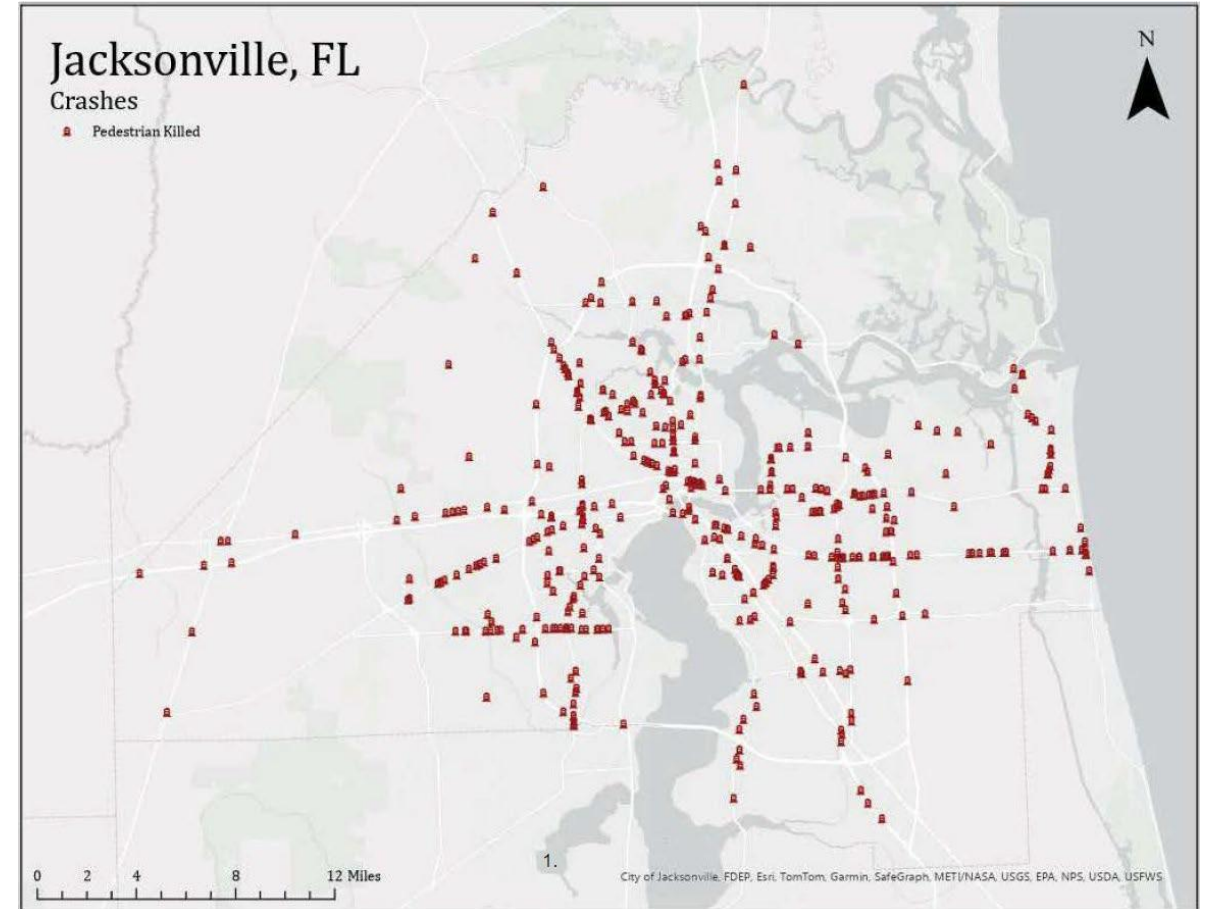
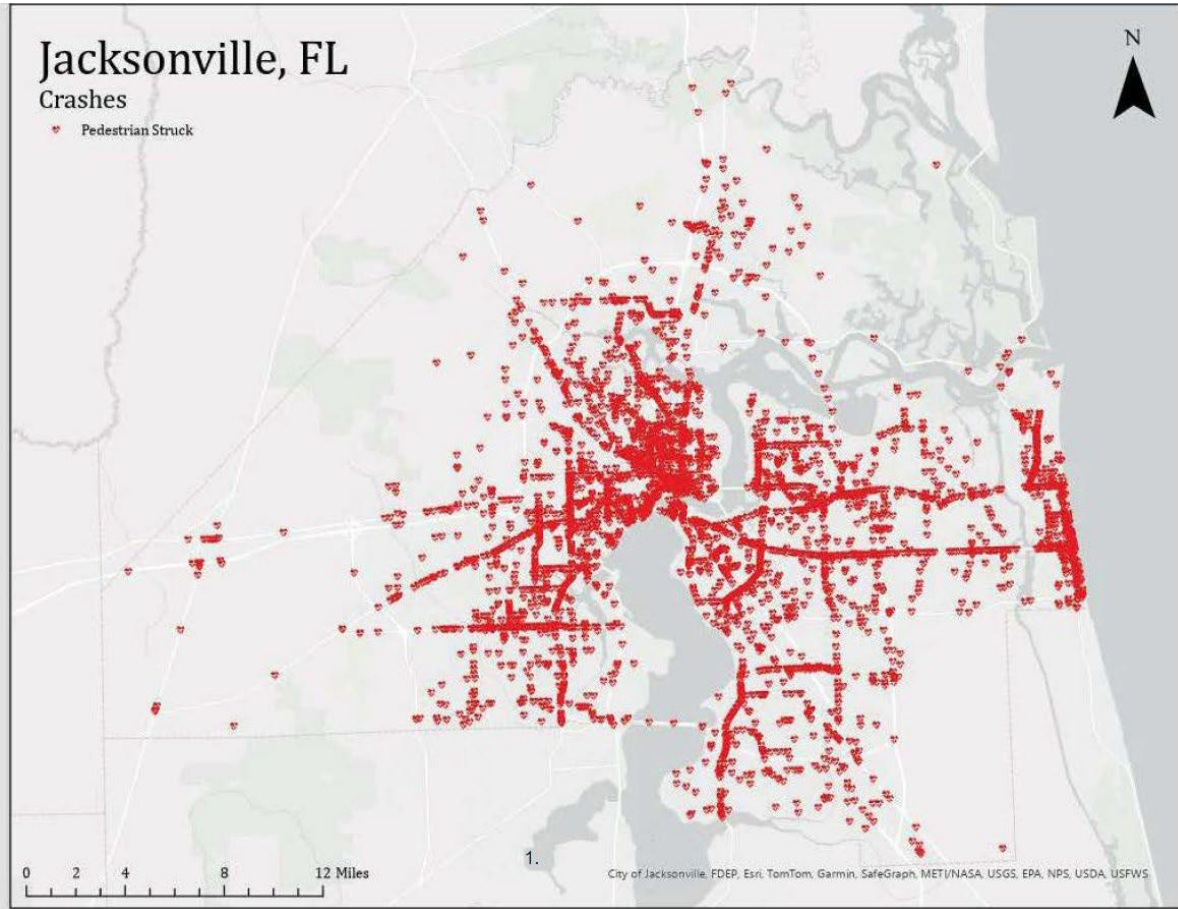
Off the Beaten Path: A Spatial Statistical Analysis of Correlations Between the Built and Human Environment and the Prevalence of Pedestrian Fatalities in Jacksonville, Florida

What is the relationship between rate of poverty age of development and the frequency of pedestrian fatalities?

Data

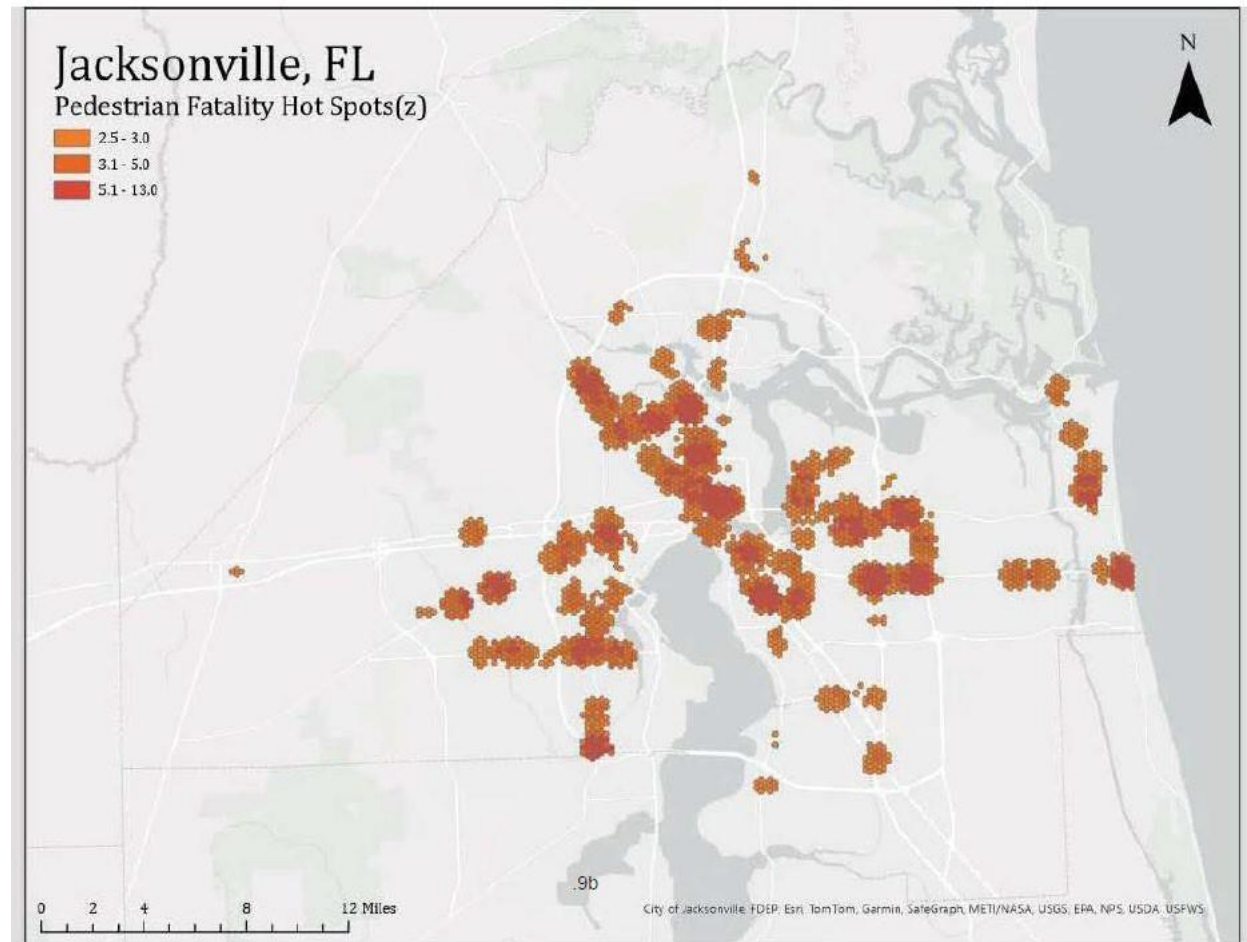
- FDOT crash data 2011-2022
- Florida Statewide Parcel Data (2022, Residential vs Commercial Development)
- US Census Bureau (Poverty Status and Median Income)

Pedestrian Crashes & Fatalities

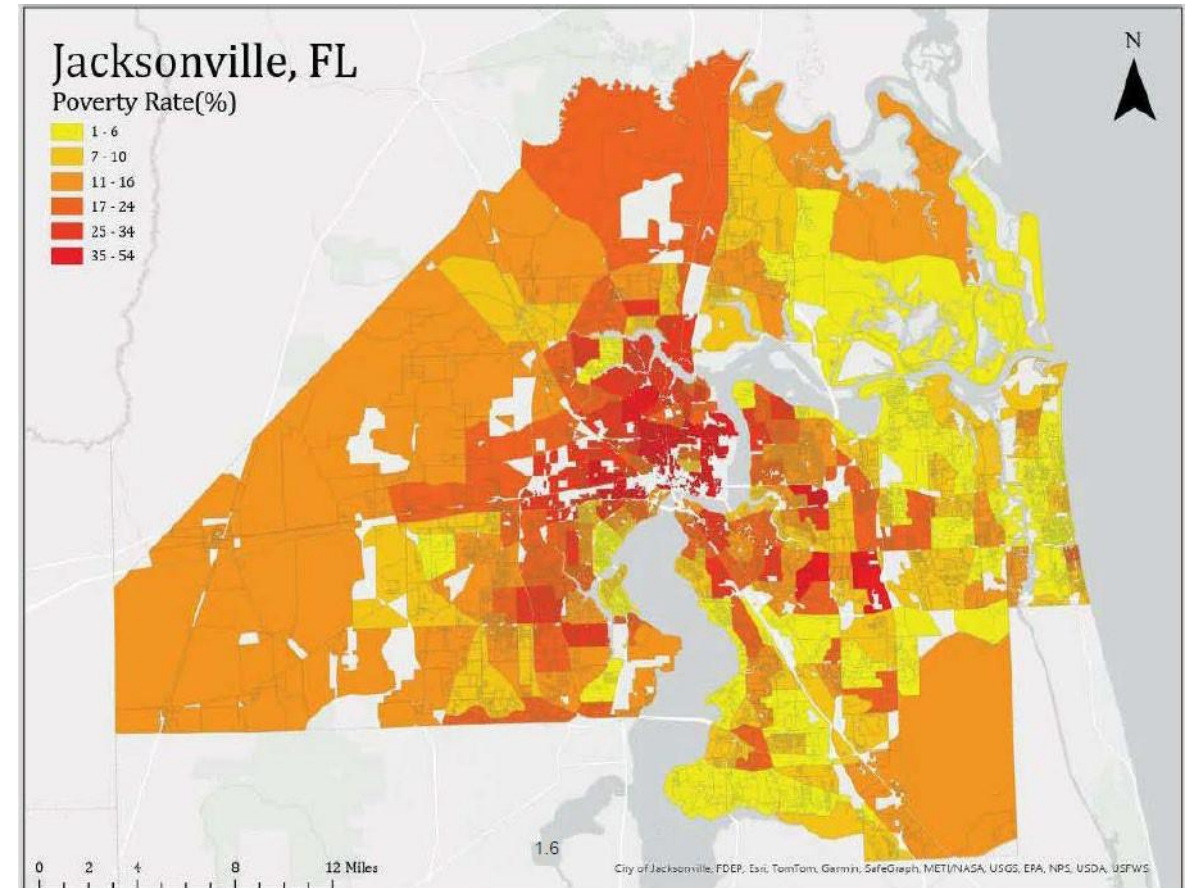
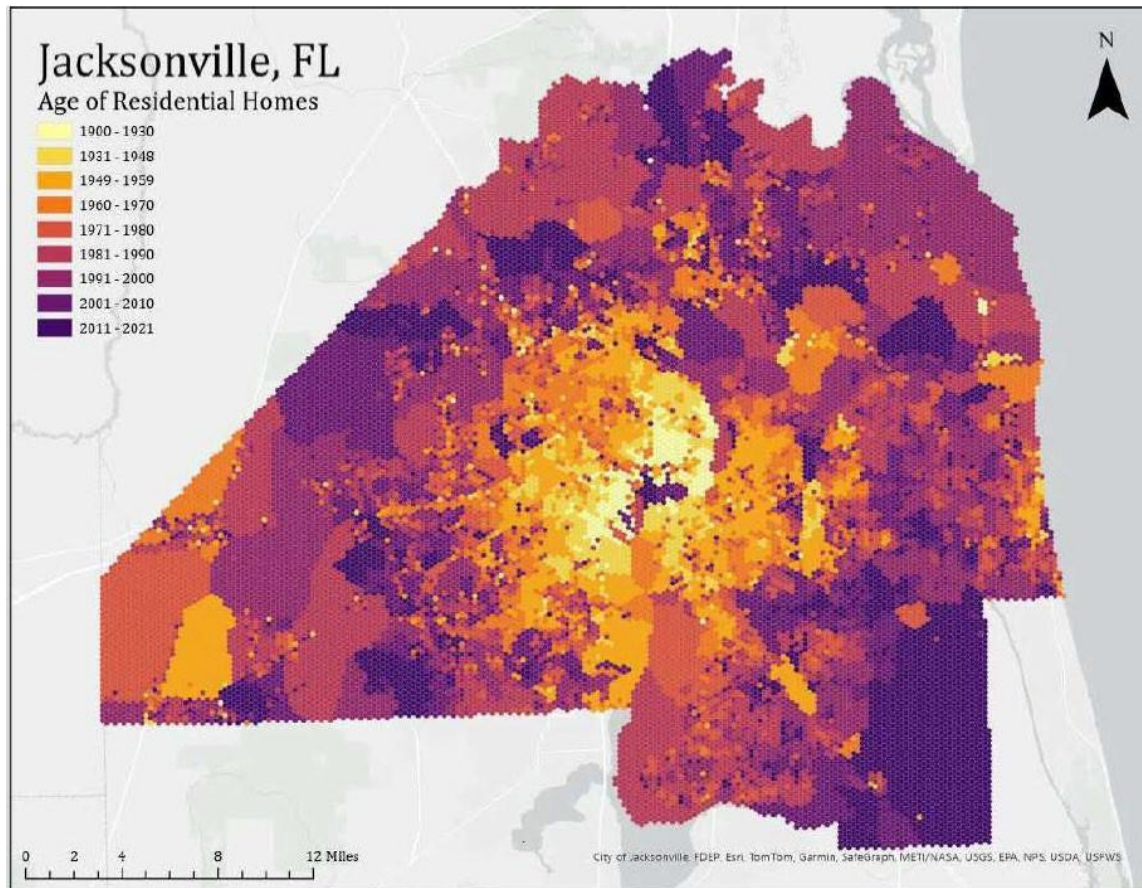


Pedestrian Fatality Hotspots

- Downtown
- Along corridors:
 - Beach Blvd
 - San Jose Blvd
 - 103rd / Timuquana Rd
 - Normandy Blvd
 - Mayport Rd
 - US 1 / New Kings Rd
 - Lem Turner Rd
 - Roosevelt Blvd



Age of Residences & Poverty Rate



Conclusions

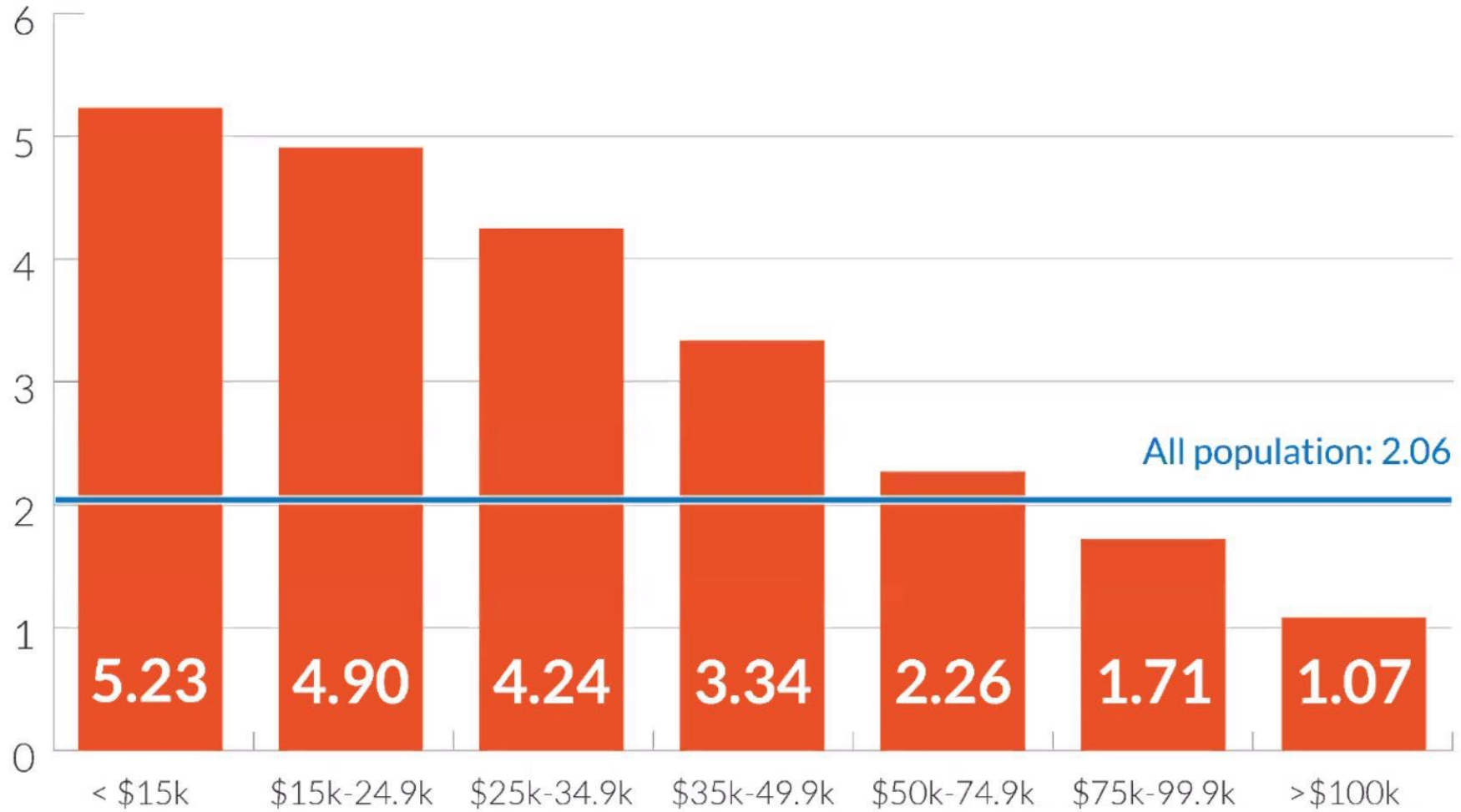
- **Strong positive correlation** between the **rate of poverty** in an area and the prevalence of **pedestrian fatalities** (i.e. higher poverty rate = more fatalities)
- **Strong negative correlation** between the **year a residential property was built** and prevalence of **pedestrian fatalities** (i.e. fatalities happen more often in older neighborhoods)

Discussion: Why do we think this is?



Lower-income areas have far higher rates of pedestrian deaths

Pedestrian fatalities per 100,000 people by census tract income



Census tract median household income, 2018-2022



Discussion

- What other factors that impact pedestrian & bicycle safety?
- Are there additional factors the City and JTA should evaluate?
- How does FDOT play a role in bike/ped safety in Jacksonville?
- How can BPAC support the momentum for Vision Zero in Jacksonville?
- Are there actions we'd like to encourage in this process?



Dangerous by Design 2024 Report

- 2nd Report coming out in **July** focused on
 - **Policies** and **Implementation Solutions**



San Marco Blvd & Hendricks Ave (SR 13)

Project Start:

Summer 2024

Expected Completion:

Summer 2025

Cost:

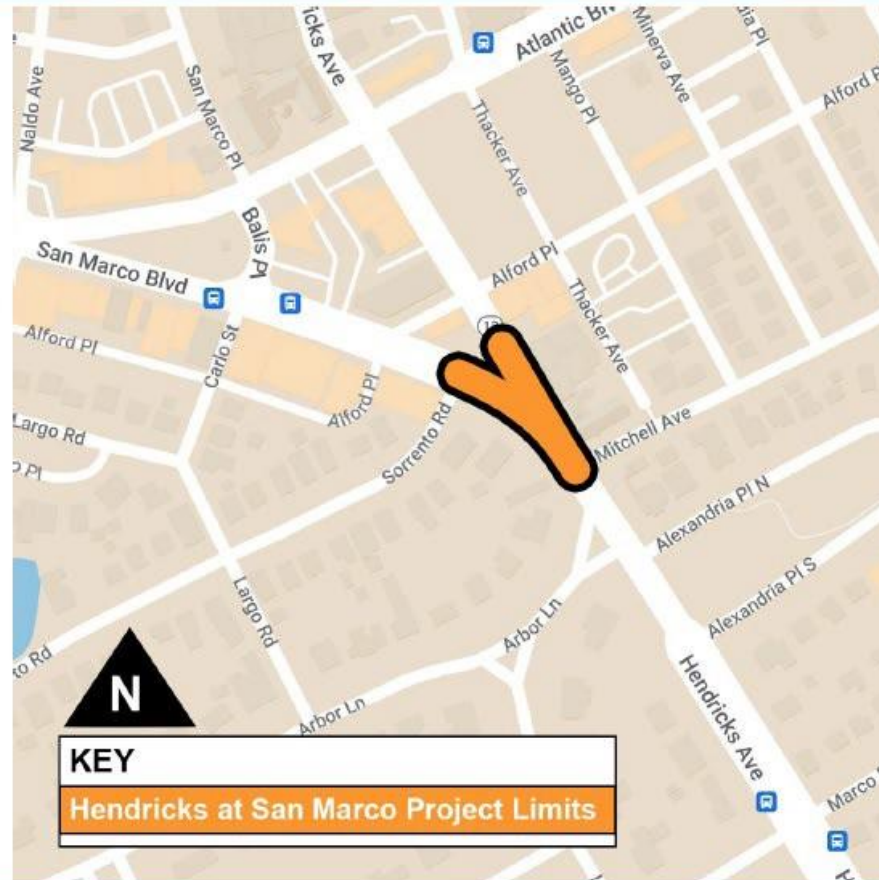
\$1.8 million

Road:

State Road 13

County:

Duval



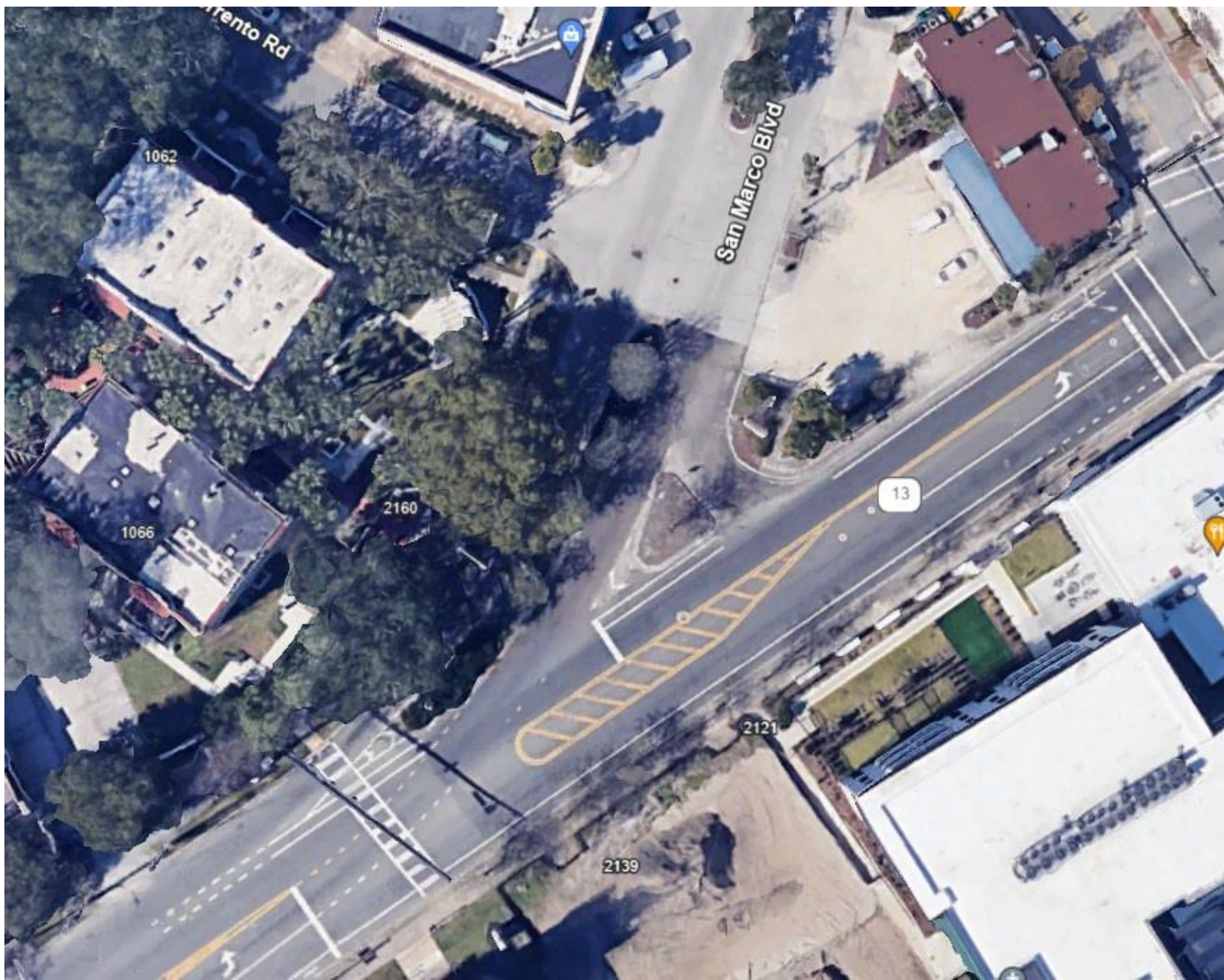
PROJECT IMPROVEMENTS



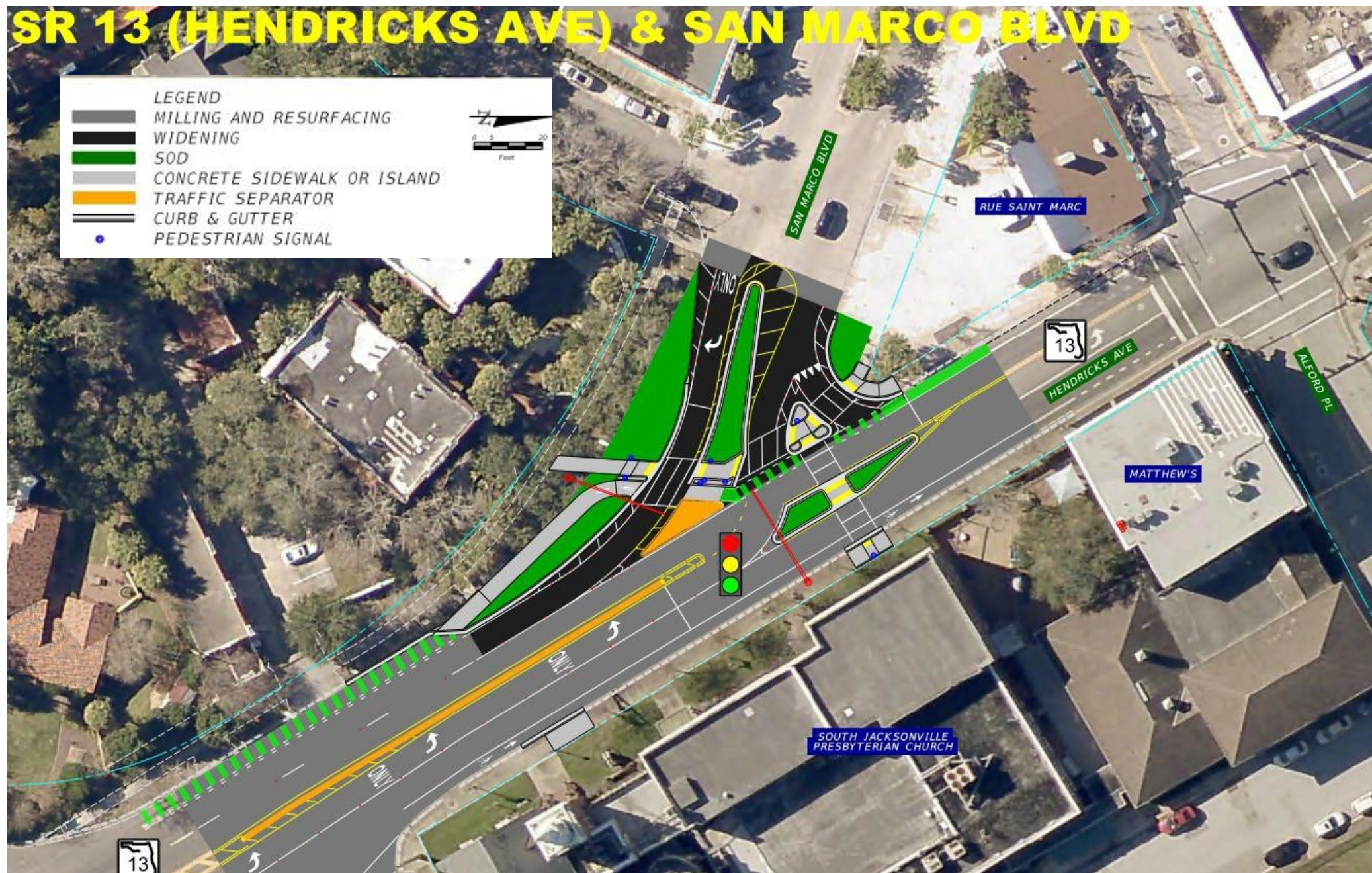
Improvements

- Realignment of the crossing that will provide improved pedestrian and bike movements through the intersection
- Milling and resurfacing
- Widening of the roadway
- New traffic signals
- New roadway lighting
- Pedestrian safety upgrades
- Bike lane enhancements
- Sidewalks
- New signage





SR 13 (HENDRICKS AVE) & SAN MARCO BLVD

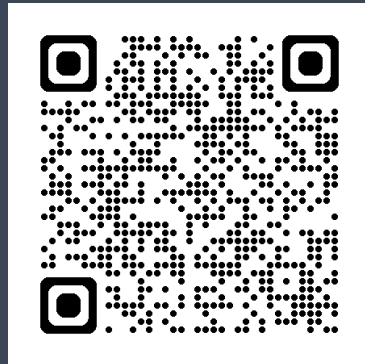


2 WAYS to REGISTER YOUR BICYCLE with HELP FROM THE



1

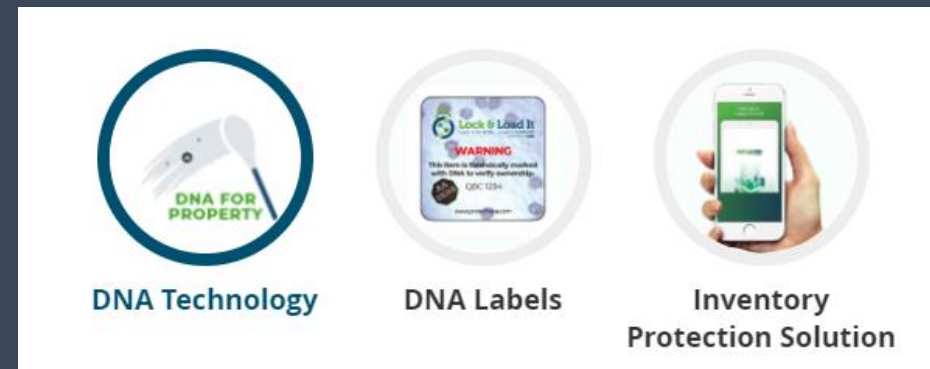
NATIONAL REGISTRY FOR APPLE USERS



<https://apps.apple.com/us/app/bike-index/id6477746994>

2

PROTECH DNA JSO and NATIONWIDE BIKE SHOPS



ASK BPAC FOR **FREE** DNA LABEL

2024

Northeast Florida

COORDINATED MOBILITY PLAN

PUBLIC INPUT NEEDED

For a regional plan for Baker, Clay, Duval,
Nassau, Putnam and St. Johns counties.



JACKSONVILLE
TRANSPORTATION
AUTHORITY



Transportation Needs Survey

<https://publicinput.co/transportationneedssurvey>



Customer Roadway Safety Survey

<https://bit.ly/CSSAP>





EASTSIDE BROTHERHOOD & MELANIN MARKET

presents

PEDALING FOR A PURPOSE



JUNE 8TH 2024

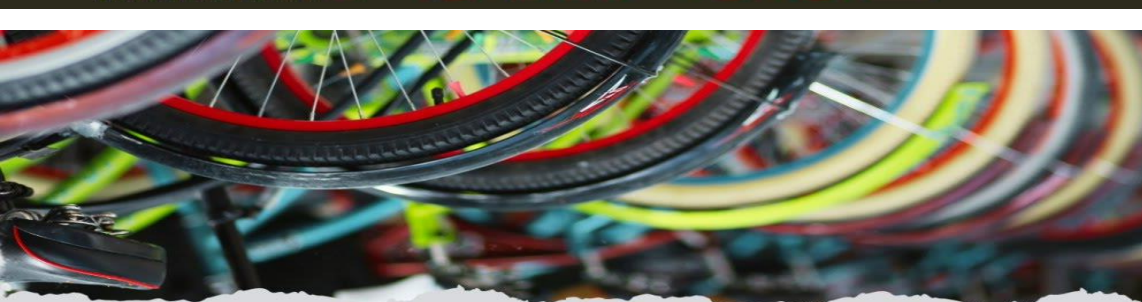
MEET-UP TIME: 9AM

RIDE STARTS PROMPTLY: 10AM



915 A. PHILIP RANDOLPH AVE.
JAX. FL 32206

FREE FOOD & DRINKS PROVIDED AFTER RIDE



FAMILY FUN
ALL ARE WELCOME

Bicycle and Pedestrian Advisory Committee

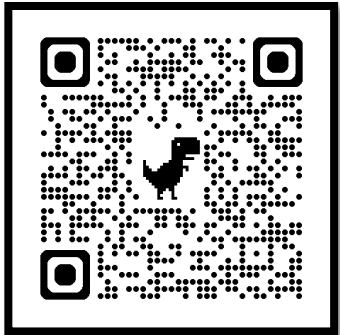
apbpb CONFERENCE

2024

Detroit, MI
August 12-14, 2024

Registration Now Open for APBP 2024 Conference

Join colleagues, friends, advocates and experts for excellent training that will take your work and your career to the next level at the 2024 APBP Conference held in Detroit, Michigan, August 12-14, 2024. The Conference will feature over 40 informative sessions and exciting mobile tours taking you into the field on foot, bike and transit. Early registration rates end June 15, 2024. We look forward to seeing you this summer at the APBP Conference in Detroit!





*Alternative Project Delivery Methods to Meet
Tomorrow's Transportation Needs Today*

June 25-26, 2024
Omni Hotel | San Diego, CA



John D. Porcari
Former Deputy Secretary
United States
Department of
Transportation



Jennifer Mitchell
Deputy Administrator
Federal Railroad Administra-
tion



Butch Eley
Deputy Governor &
Commissioner
Tennessee
Department of
Transportation



Ricky Serna
Cabinet Secretary
New Mexico
Department of
Transportation





**NEXT
MEETING**

ADJOURN