

EQUITABLE SOLUTIONS FOR PEDESTRIAN SAFETY

Beth Osborne, Vice President for Transportation and Thriving Communities, Smart Growth America

Tim Keller, Mayor, Albuquerque, NM

Katjana Ballantyne, Mayor, Somerville, MA

Moderator: Reed Gusciora, Mayor, Trenton, NJ

WINTER
2023

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EQUITABLE SOLUTIONS FOR PEDESTRIAN SAFETY

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WINTER
2023



Smart Growth America
Improving lives by improving communities



National Complete
Streets Coalition

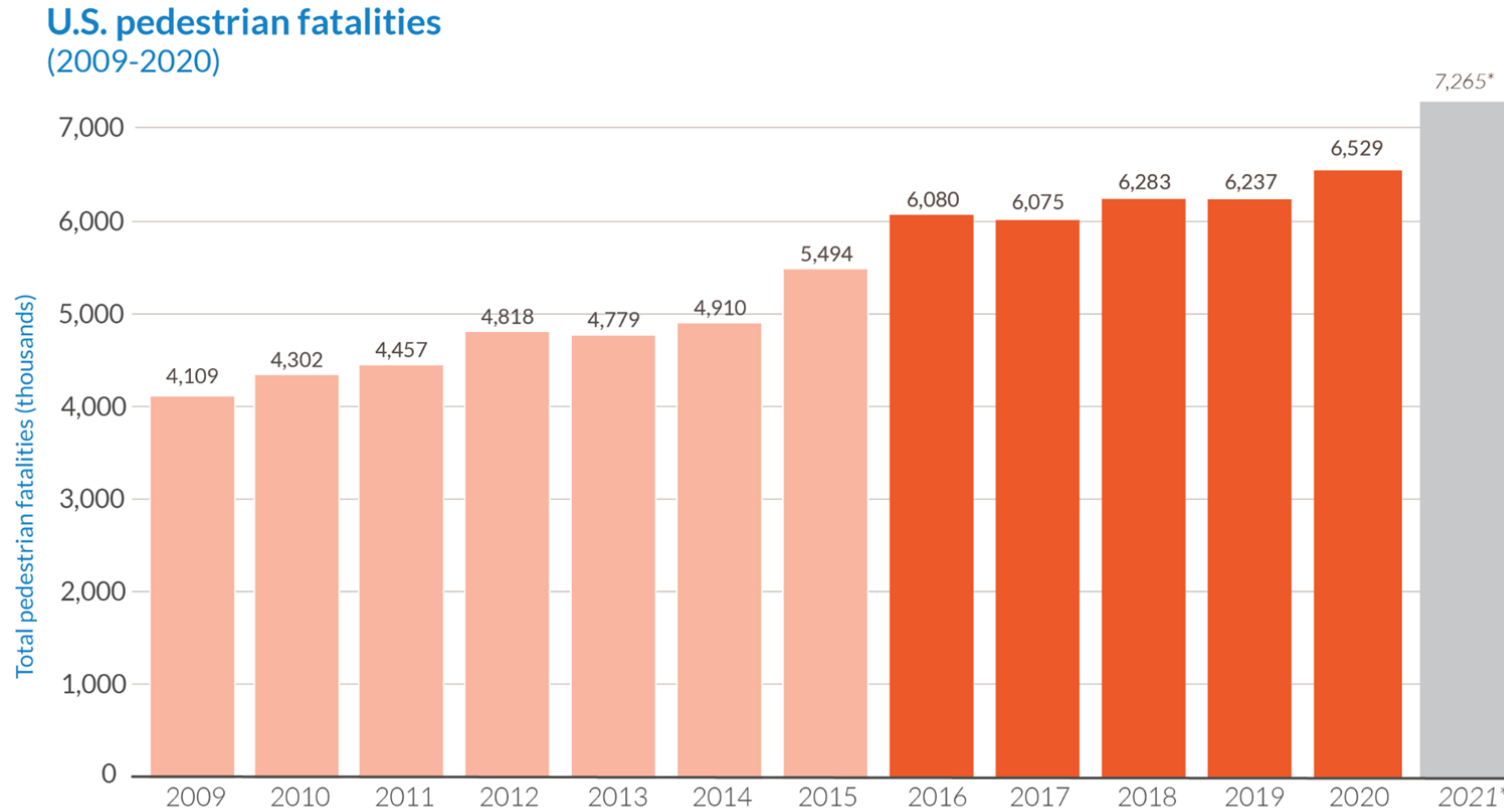
DANGEROUS BY DESIGN 2022

Thank you to 2022 report
sponsor:



Smart Growth America
Improving lives by improving communities

2009-2020: historic increase in fatalities



- **62% increase** in people struck and killed while walking between 2009-2020.
- **6,529 people** were struck and killed while walking in 2020
- Preliminary 2021 estimates suggest the **highest number in 40 years.**
- **Black and Native Americans** are significantly more likely to be killed.

These deaths are preventable

- Driving went down around the world in 2020, but **the US is one of the only developed countries with more deaths.**
- Walking increased everywhere in the US, **but only led to a major increase in deaths in certain metro areas**
- Fatality rates increased the most on average in metro areas that were **already more deadly** and had **lower shares of people walking to work** before the pandemic.
- **Arterial roads** make up 15% of all roads but are where a whopping **60% of pedestrian deaths** occur, **60% in urban areas.**

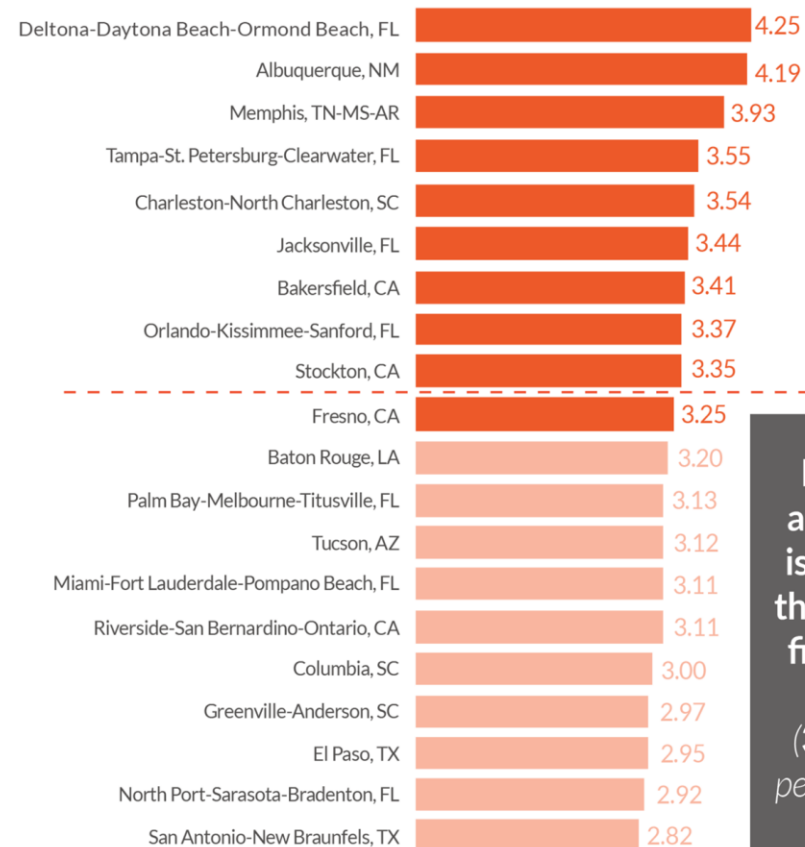


The 20 most dangerous metros are trending worse over time

THE TOP 20

Most dangerous metropolitan areas for pedestrians (2016-2020)

● Top 1-10 ● Top 11-20



Every metro
above this line
is more deadly
than the #1 rate
five years ago.

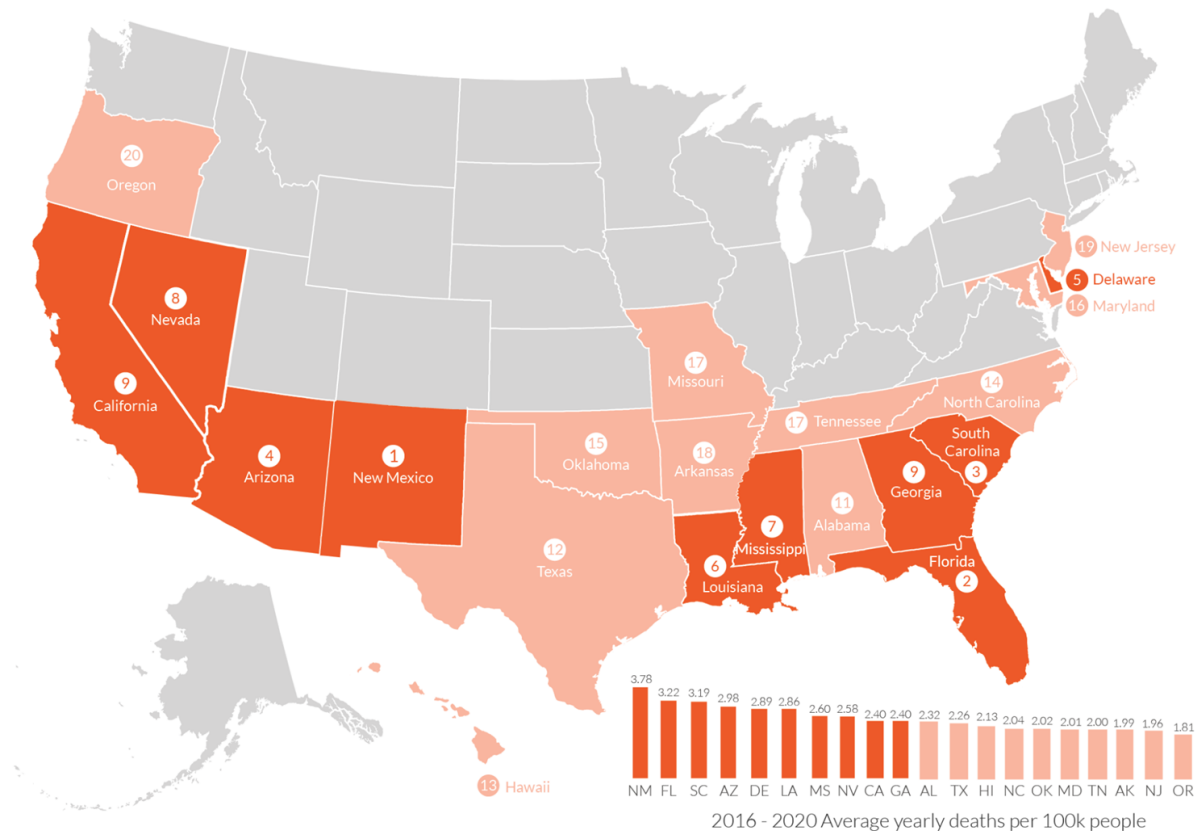
(3.28 per 100k
people, 2011-15)

2016 - 2020 average yearly deaths per 100k people

Most dangerous states

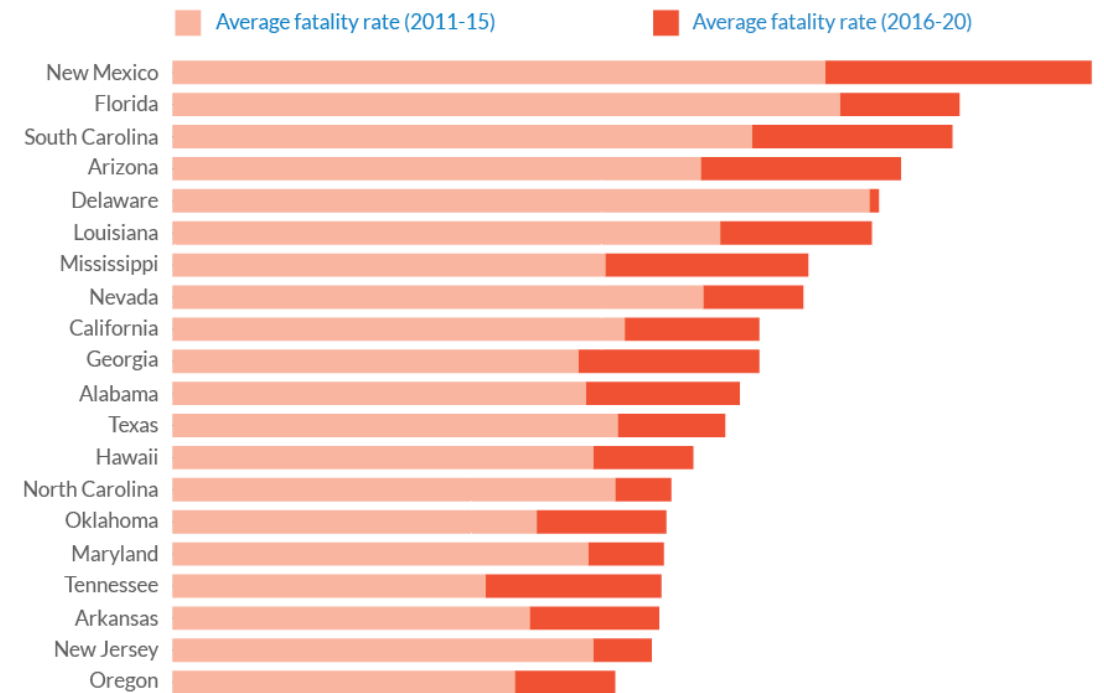
THE TOP 20

Most dangerous states for pedestrians (2016-2020)



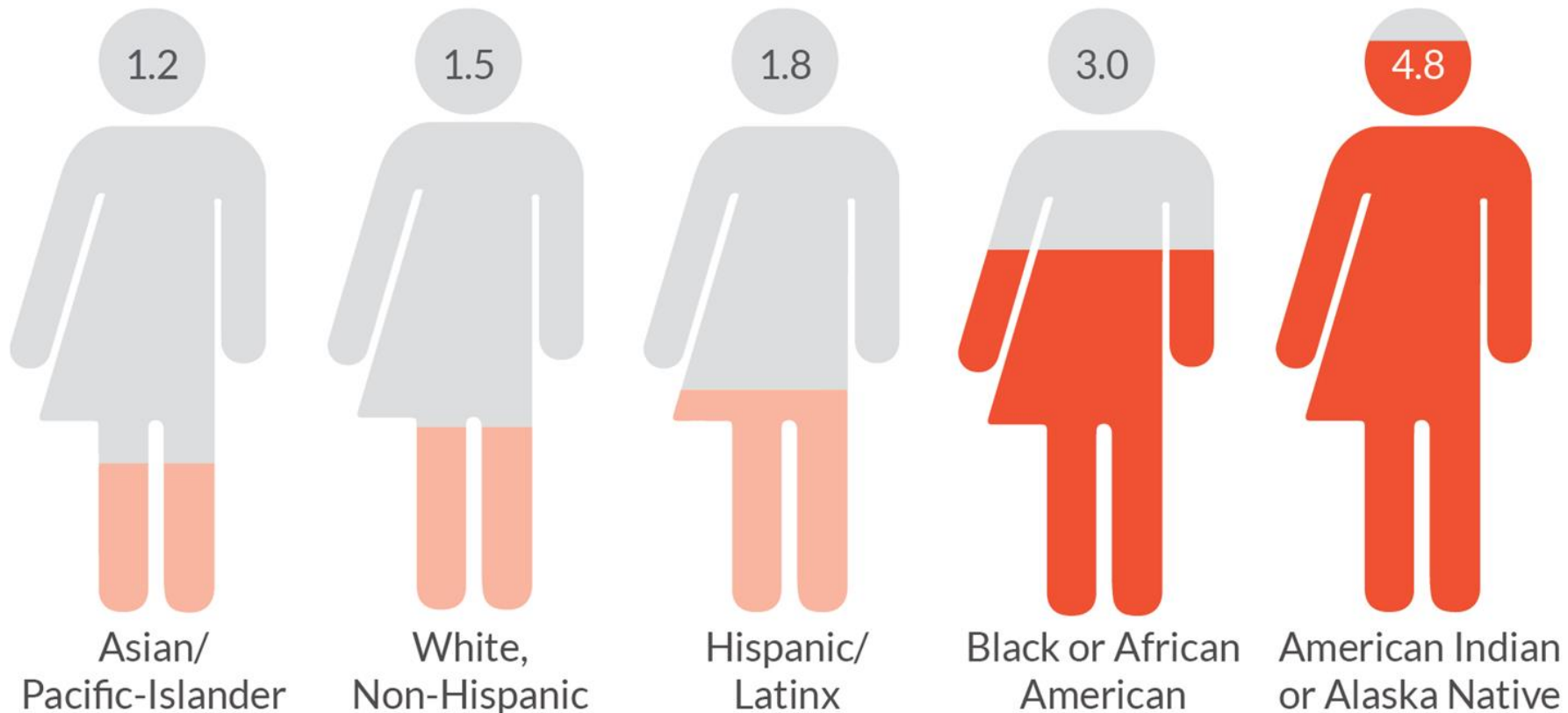
No states in the top 20 are improving

All have gotten significantly more deadly



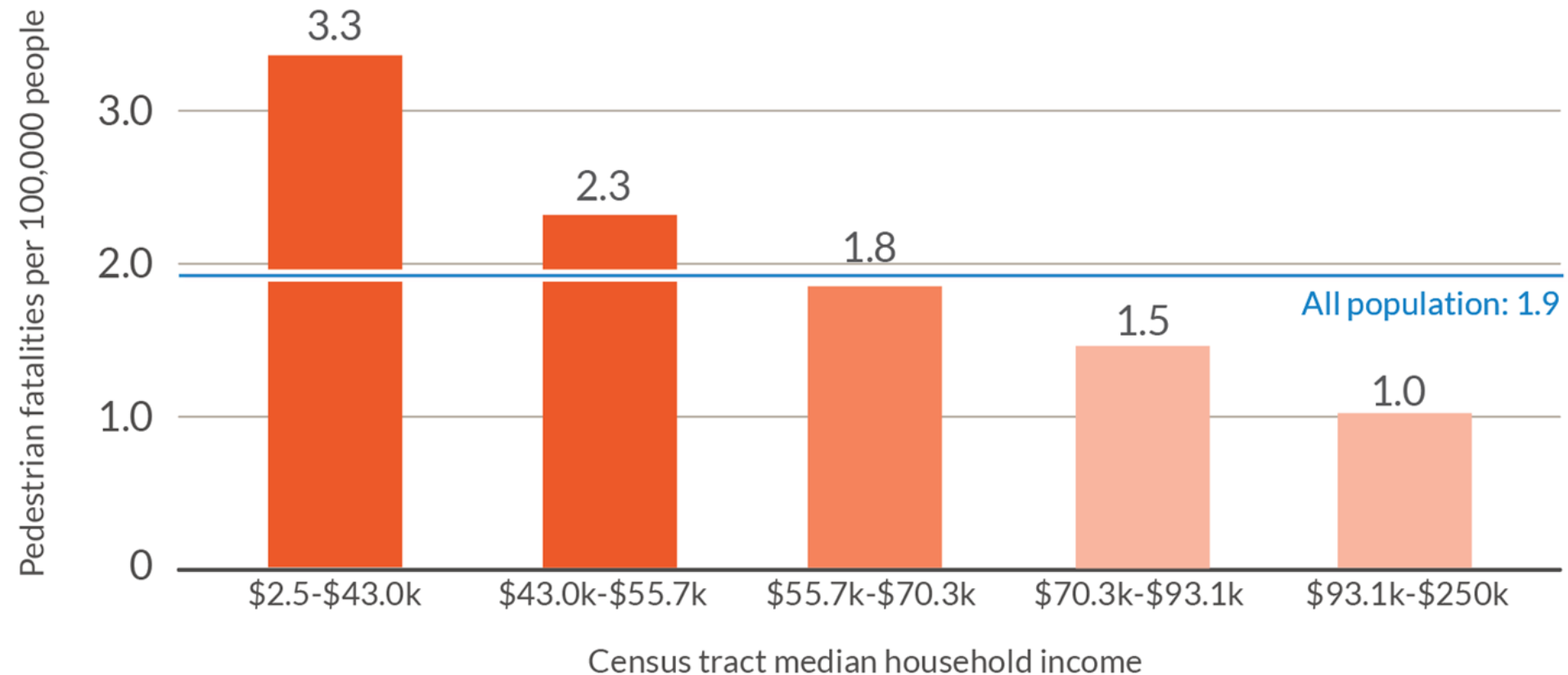
People of color are more likely to die when walking

Pedestrian deaths per 100,000 by race & ethnicity (2016-2020)



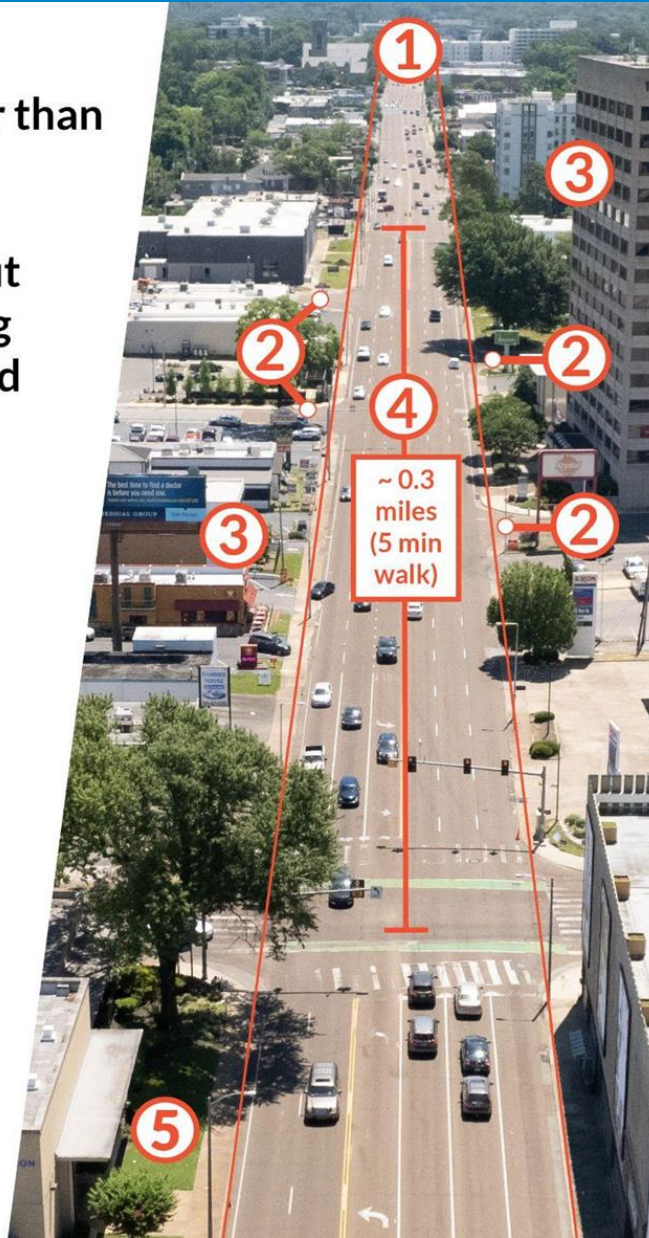
People walking in lower-income areas are killed at far higher rates

Pedestrian fatalities per 100,000 people by census tract income



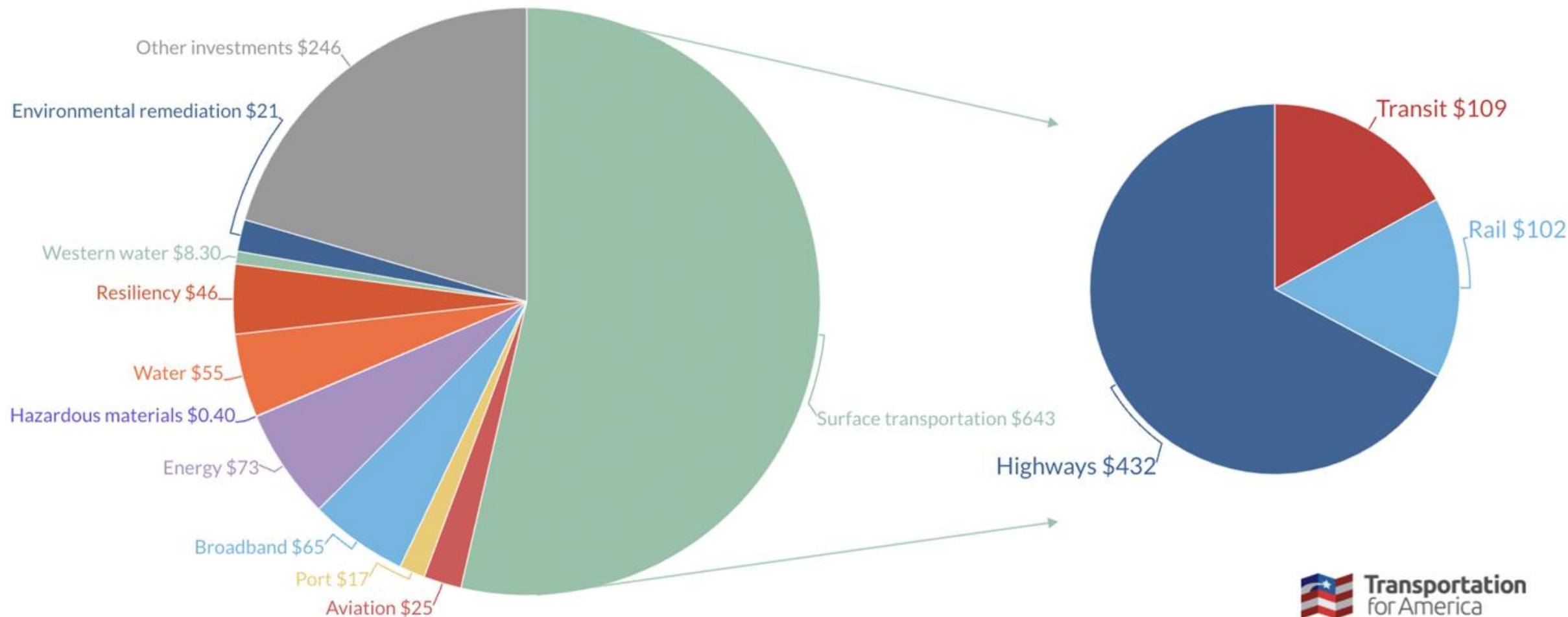
Roadway design produces danger

- ① Design can be more influential on behavior than speed limits.
- ② Other streets regularly intersect Union, but lack crosswalks or signals, because keeping vehicles from stopping (speed) is prioritized ahead of providing frequent crossings (safety).
- ③ Numerous destinations means that more people will be present.
- ④ Marked, signalized crosswalks are located as much as 0.4 miles apart, potentially requiring a 10-minute round trip to reach a destination that's directly across the street.
- ⑤ Sidewalks exist, but as an afterthought.

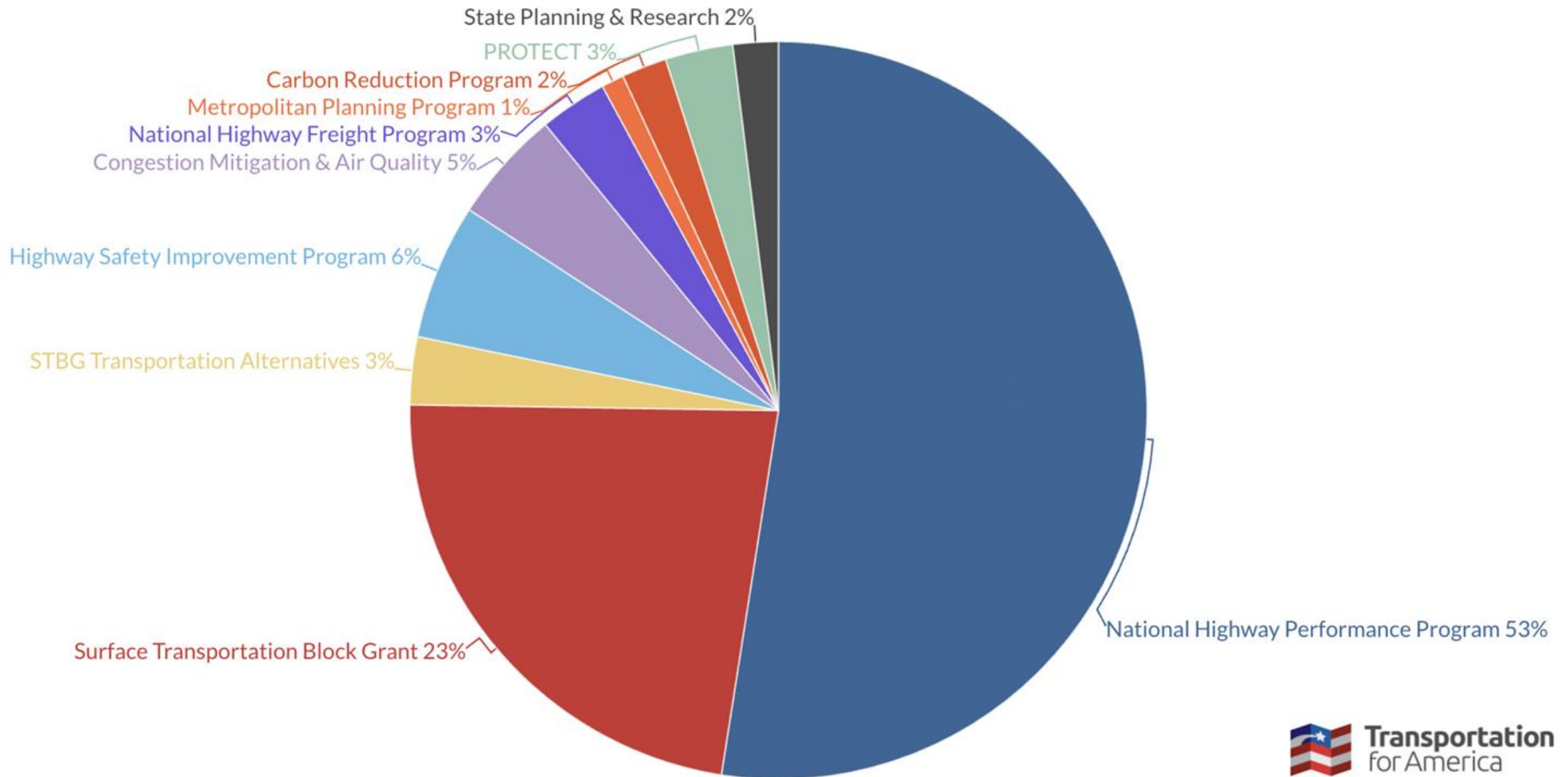


60 percent of all 2020 deaths occurred on non-interstate arterial highways like this one in Memphis, TN.

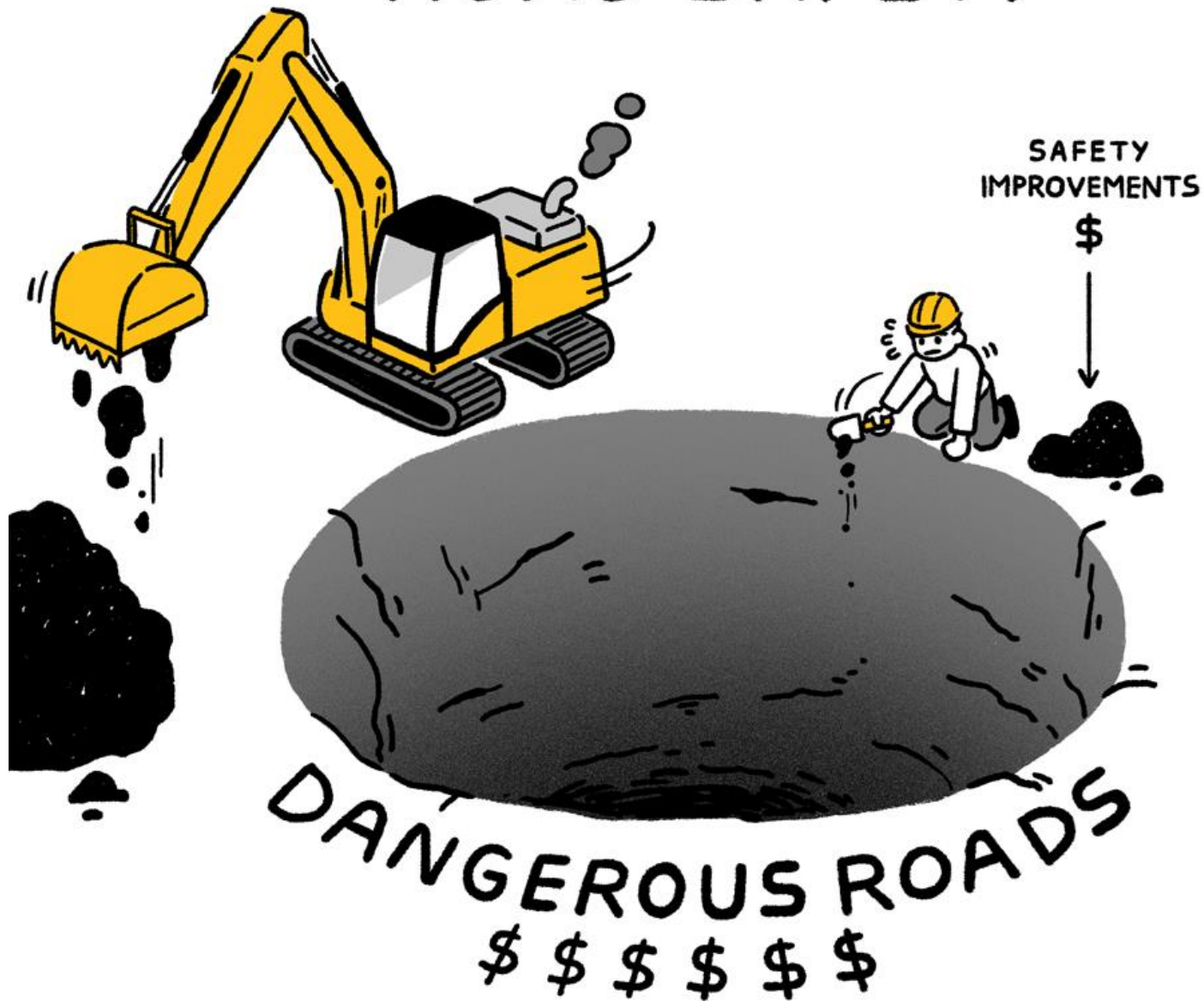
Where is the infrastructure bill money going? (in billions)



Highway trust fund formula programs (by percentage)



U.S. APPROACH TO ROAD SAFETY





mayors
innovation
project

EQUITABLE SOLUTIONS FOR PEDESTRIAN SAFETY

Tim Keller, Mayor, Albuquerque, NM

WINTER
2023



City of Albuquerque

MAYOR INNOVATION PROJECT
January 20, 2023
Mayor Tim Keller



VISION ZERO HIGH FATAL & INJURY NETWORK (HFIN)

46%

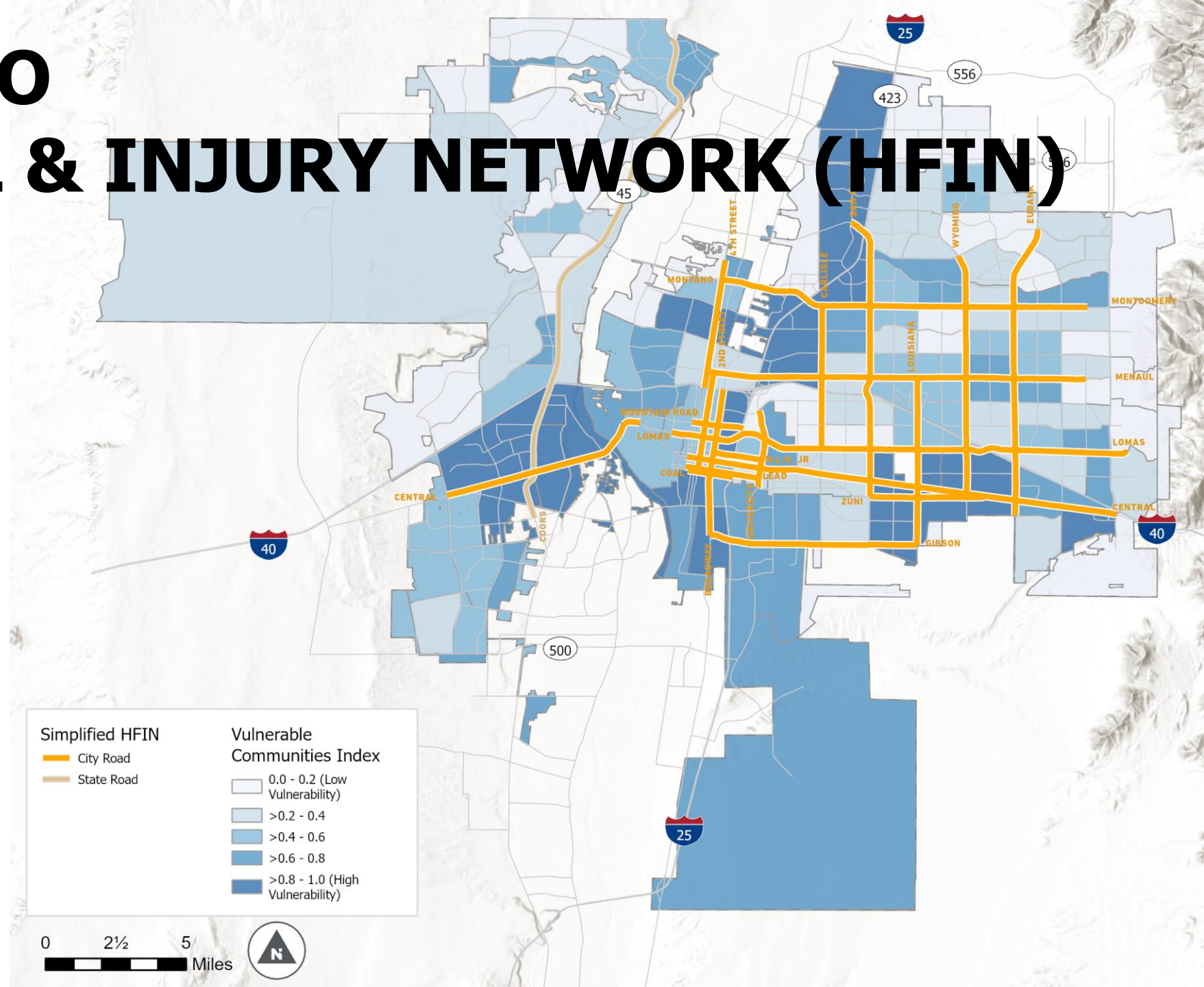
of fatalities occurred on these
20 corridors
(2015-2019)

15%

of road miles in Albuquerque

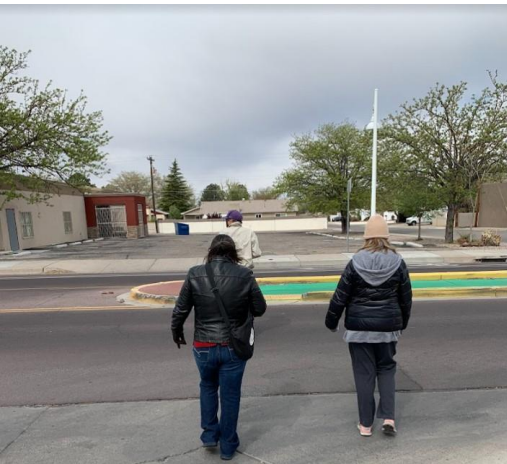
72%

are Principal Arterials



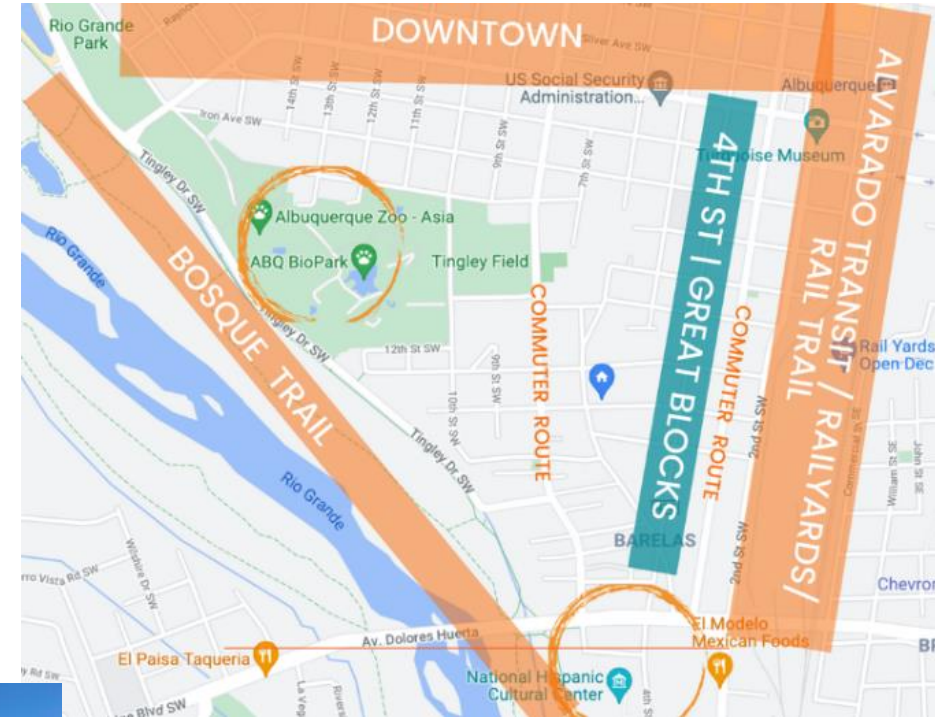
TRAFFIC SAFETY IMPLEMENTATION

- Focus on **safe design** (complete streets) + **safe speeds** (automated speed enforcement)
- Near-term **low cost/high impact** safety countermeasures
- Longer-term reconstruction
- Over **570 miles** of on-street bicycle facilities + multi-use trails



HISTORIC BARELAS - GREAT BLOCKS

- One of Albuquerque's oldest neighborhoods
- Home to Albuquerque Zoo + Rail Yards
- Eight blocks of 4th Street from Coal to Barelas Road
- Pedestrian safety improvements
- Streetscape enhancements
- Drought tolerant landscaping
- Improved street lighting
- Vibrant community spaces

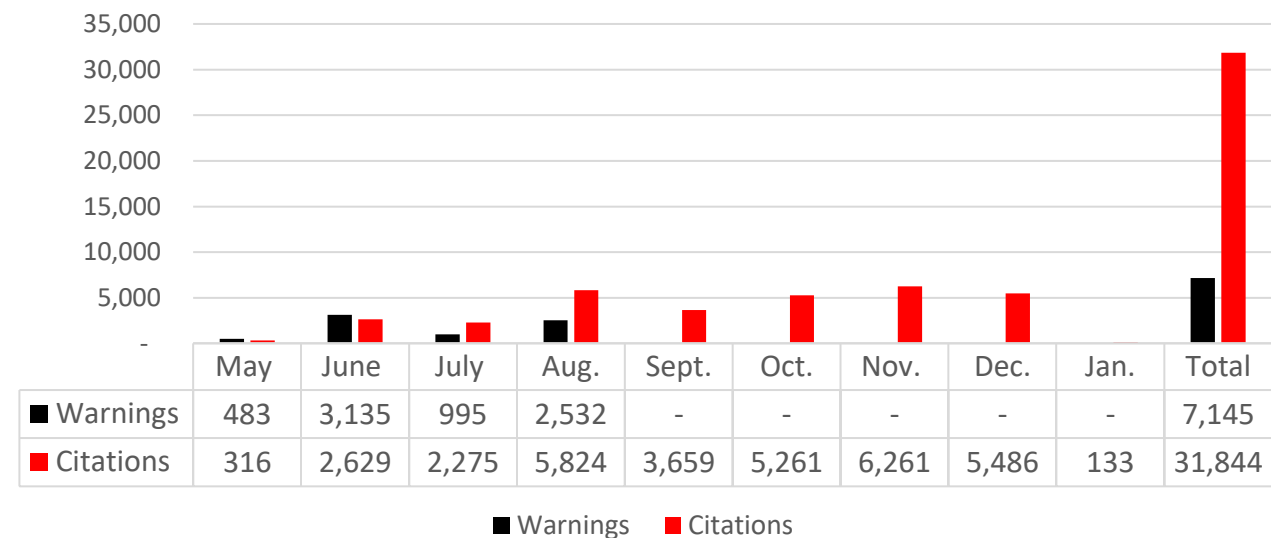


AUTOMATED SPEED ENFORCEMENT (ASE)

- High speed driving increases the frequency and the severity of crashes – **particularly for people walking or biking**
- Speed safety cameras FHWA Proven Safety Countermeasure: **54% crash reduction** on urban principal arterials
- 10 cameras installed/10 coming soon
- Citation \$100 (set by state statute)
 - In lieu of \$100, people can choose four (4) hours of community service
- Ordinance update (in progress)



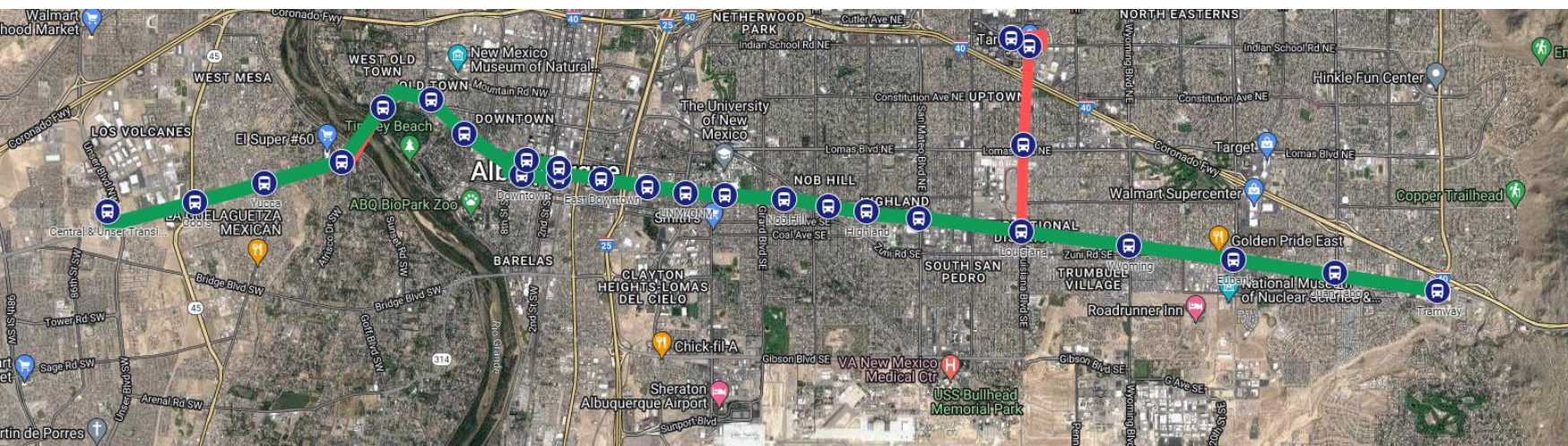
Citations & Warnings



ALBUQUERQUE RAPID TRANSIT (ART)

- Approximately 13 miles bus rapid transit system on Central Avenue
- 28 stops/stations for two lines (16 Center Platform Stations)
- Zero Fares: January 2, 2022 – June 30, 2023

WHY ZERO FARES?





mayors
innovation
project

EQUITABLE SOLUTIONS FOR PEDESTRIAN SAFETY

Katjana Ballantyne, Mayor, Somerville, MA

WINTER
2023



MAYOR KATJANA BALLANTYNE
**OFFICE OF STRATEGIC PLANNING &
COMMUNITY DEVELOPMENT**

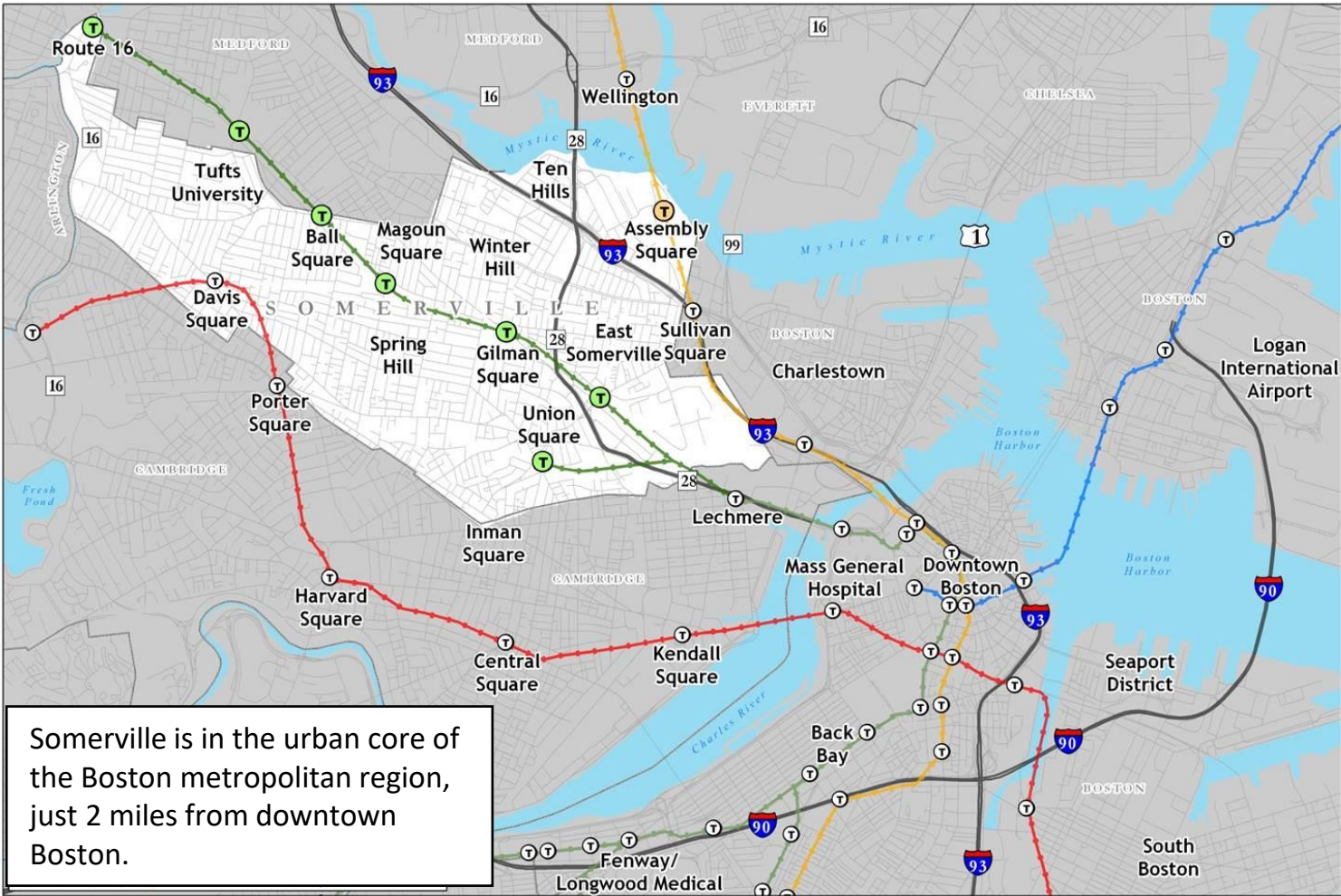
Equitable Solutions for Pedestrian Safety in Somerville

MIP Winter Meeting 2023



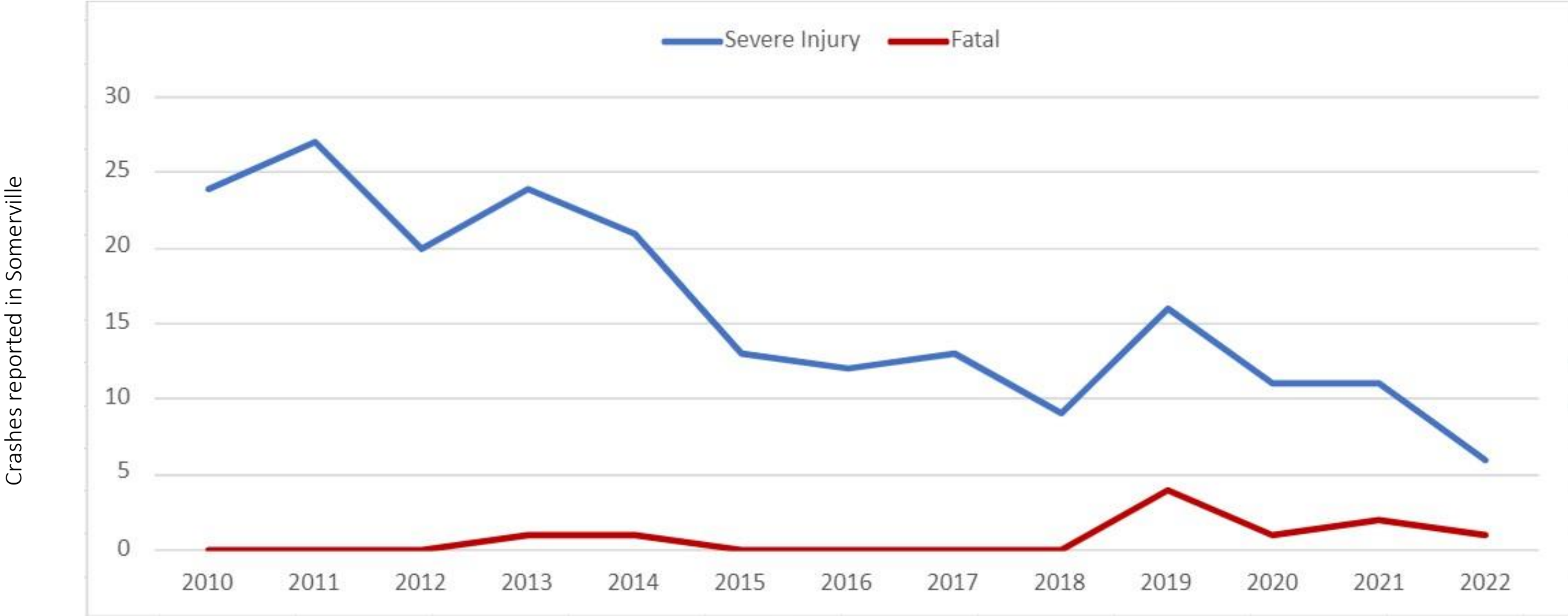
Somerville is a dense, transit-oriented community;
we have a strong tradition of progressive transportation activism

- Land Area.....4 square miles
- Population..... 81,000
- Jobs.....30,000
- Street Network.....100 miles
- Transit Commute Share.....30%
- Walk/Bike Commute Share...20%
- Annual Operating Budget.....\$275 million



Severe crashes have been trending downward over the past decade; although Somerville experienced several fatal crashes in 2019-2022

Source: Massachusetts Department of Transportation statewide crash database



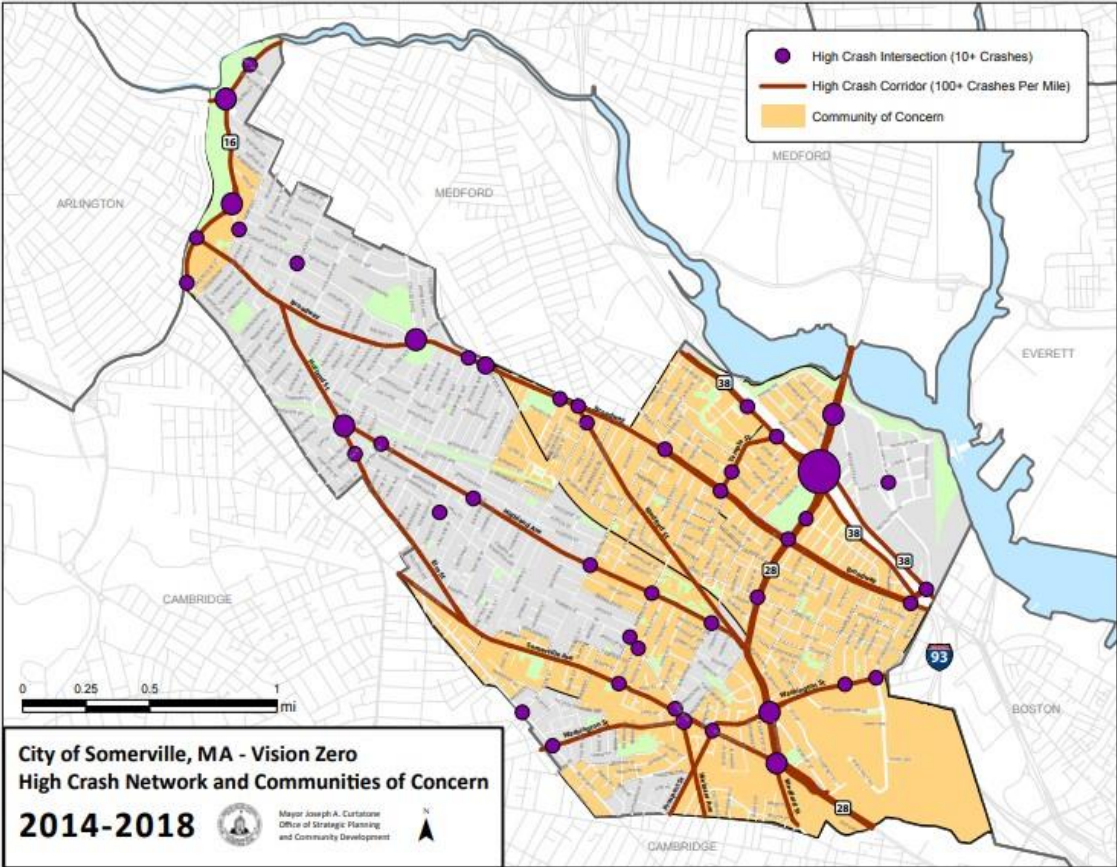
* Data downloaded from MassDOT online database 2/3/21

Somerville created a community-based strategic plan; we use crash data and socio-economic data to guide our safety investments



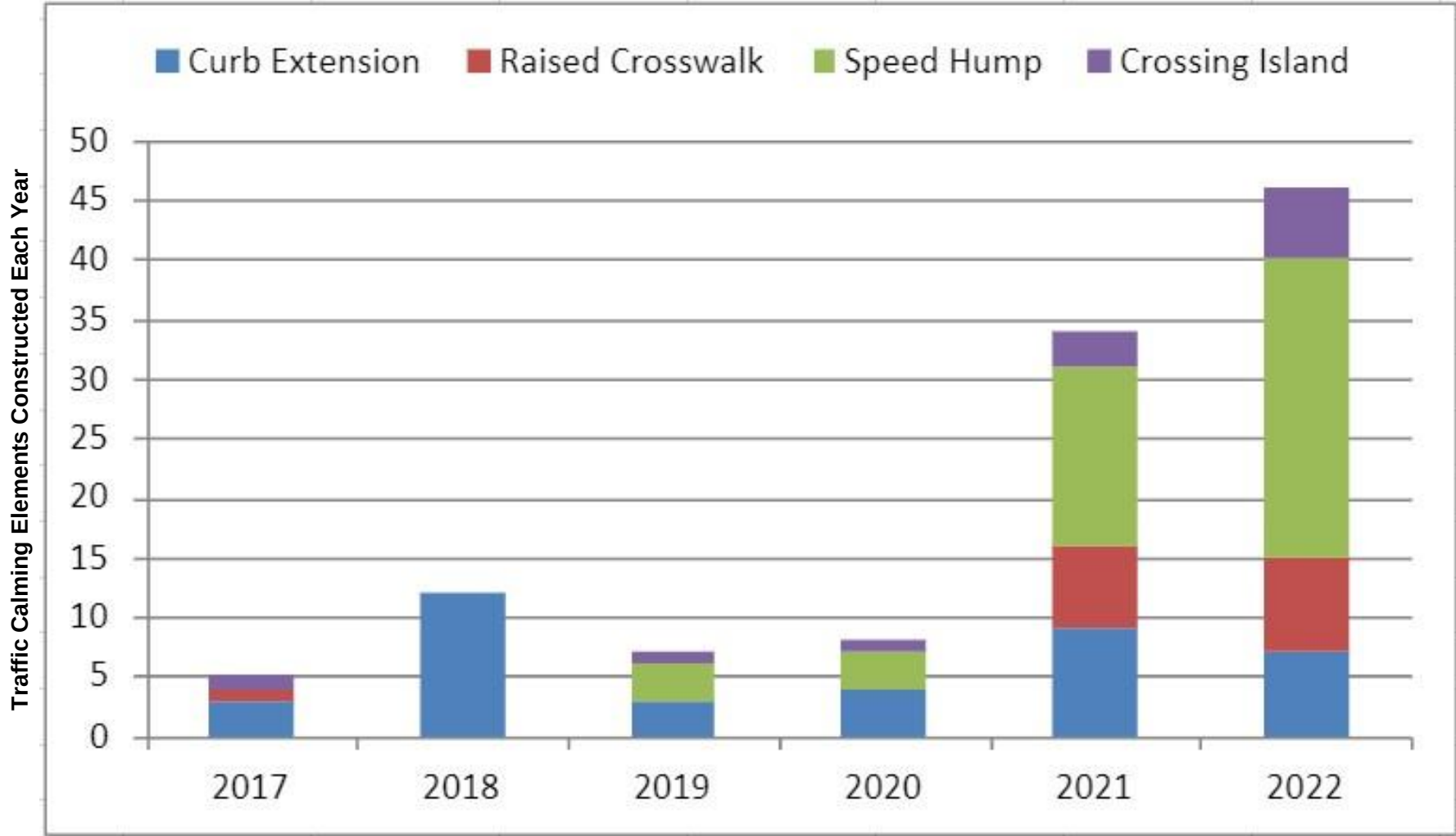
HIGH CRASH NETWORK & COMMUNITIES OF CONCERN

The combined map of the High Crash Network and Communities of Concern will guide our efforts under this plan and will be prioritized for safety interventions.

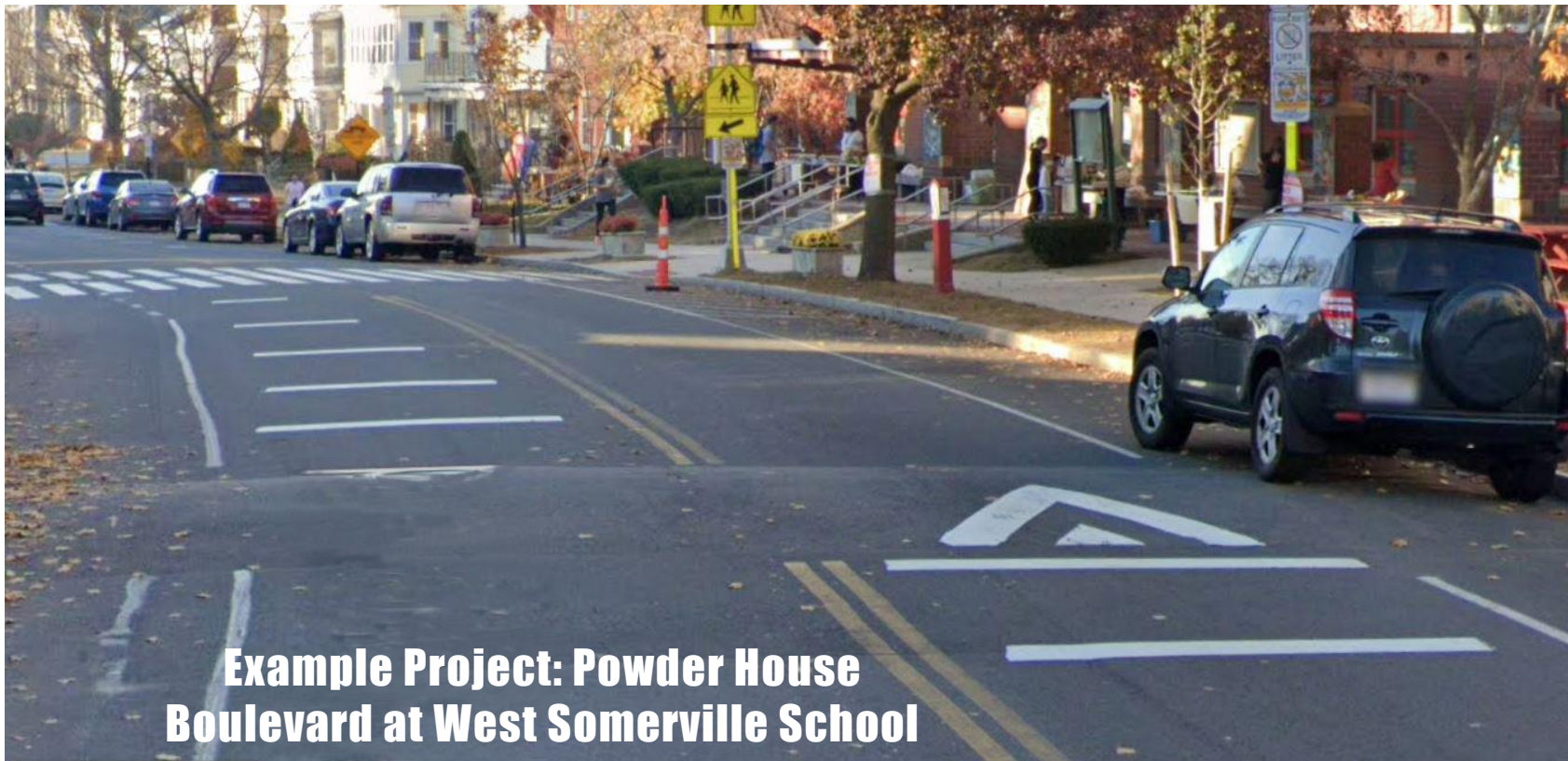


PROJECTS

Our plan has helped Somerville scale up our traffic calming program;
these types of traffic calming devices are the best way to save lives



Somerville measures effectiveness of traffic calming treatments; we generally find that traffic calming reduces both speed and volume



Speeding Behavior

Pre	Post
70%	<1%

Daily Traffic Volume

Pre	Post
10,000	8,000

Communications and outreach help maintain public coalitions;
Safe, walkable, rollable cities benefit everyone



2021 Vision Zero
Annual Report

Vision Zero is the City's plan to end traffic fatalities and severe injuries on our streets.

The City adopted its Vision Zero policy in 2017, and finalized the Action Plan in 2020. This annual report marks progress made during Year 2 of the Action Plan.

Read more about Vision Zero and the Action Plan at somerwilllema.gov/visionzero



College Ave at Kidder Ave



Blakeley Ave

Why is Vision Zero important?
Motor vehicle crashes are a leading cause of death nationally. Each year, more than 40,000 people are killed on U.S. streets and thousands more are injured.

In 2021, more people died on Massachusetts roads than in any year since 2009.

What is the City doing to accomplish Vision Zero?
The City is taking action to reverse these trends, make our streets safer for everyone, and advance our Vision Zero goals.

This report summarizes major Vision Zero accomplishments in 2021 and the City's plans for the future.



Powder House Circle



City of Somerville
Mayor Katjana Ballantyne
[Somervillema.gov/VisionZero](https://somerwilllema.gov/VisionZero)





Environmental
Sustainability

Public Health
& Safety

Social Equity

Economic
Activity

Public Life

Thank You

Mayor Katjana Ballantyne

City of Somerville, MA

kballantyne@somervillema.gov

Mayors Innovation Project

Winter 2023 Meeting

January 20, 2023



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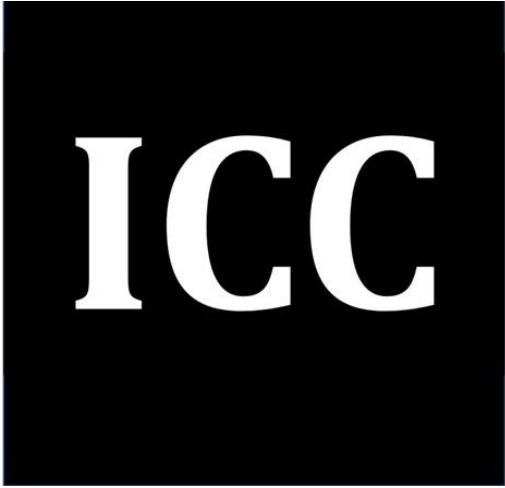
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INCLUSIVE COMMUNITIES CONSORTIUM

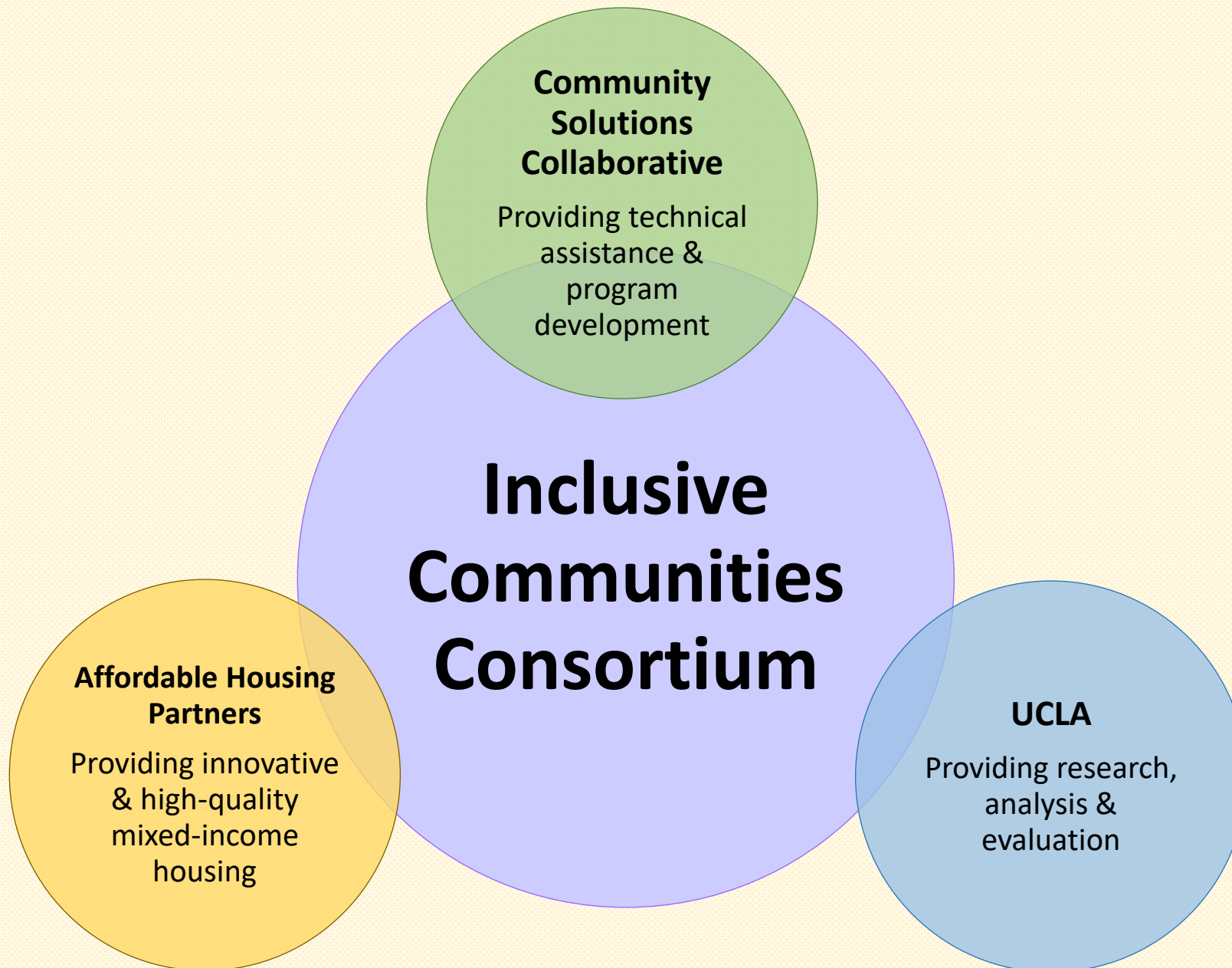
Rob Breymaier, Director



ICC

Inclusive
Communities
Consortium

WINTER
2023



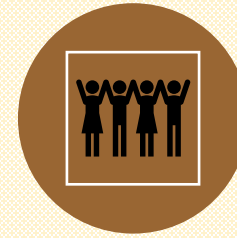
Creating Equity, Opportunity, and Prosperity through Fair Housing



RESEARCH, ANALYSIS
AND EVALUATION



TECHNICAL
ASSISTANCE



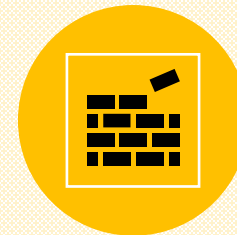
COMMUNITY
ENGAGEMENT



PROGRAM
DEVELOPMENT



POLICY DEVELOPMENT



DEVELOPING
AFFORDABLE
HOUSING

Now is the Time to Engage in Integration and Opportunity

FEDERAL REGULATION

- HUD's affirmative furthering rule is forthcoming

RACIAL EQUITY & PROSPERITY FOR ALL

- Research demonstrates that housing integration is critical to achieving racial equity and economic growth

AFFORDABLE HOUSING

- Market conditions and housing shortages require innovative affordable housing solutions

EQUITABLE DEVELOPMENT

- New methods have been developed to promote community revitalization without significant displacement (or gentrification)

How To Contact Us

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(708) 406-9373

MAYORS INSTITUTE ON PEDESTRIAN SAFETY

