



VANCOUVER, BELLEVUE CITIES, 2 transit agencies

+ KING COUNTY ME PORTLAND + TRIMET 20 TO OF TEXAS'S POPULATION SOMERVILLE MINNEAPOLIS + TOURS OF THE POPULATION OF THE HALIFAX O ST LOUIS O OAKLAND NASHVILLE SAN FRANCISCO TRO ALBUQUERQUE **MEMPHIS** DENIX SAN LUIS OBISPO JCSON FORT WORTHO OGA + CARTA LONG BEACH SAN DIEGO **OCHARLESTON** AUSTINO O NEV HOUSTON SAN ANTÓNIO + VIA + METRO ORLANDO HONOLULU



NHTSA Early Estimates Show Record Increase in Fatalities Nationwide

Share: f in

August 17, 2022 | Washington, DC

The National Highway Traffic Safety Administration today released its <u>early estimates of traffic</u> <u>fatalities for the first quarter of 2022</u>.

NHTSA estimates that 9,560 people died in motor vehicle traffic crashes in the first quarter of 2022. This is an increase of about 7% as compared to the 8,935 fatalities projected for the same quarter in 2021. This would be the highest number of first-quarter fatalities since 2002.

According to NHTSA's early estimates, the fatality rate for the first quarter of 2022 increased to 1.27 fatalities per 100 million vehicle miles traveled, up from the projected rate of 1.25 fatalities per 100 million vehicle miles in the first quarter of 2021.





52% of urban arterials in the U.S. are state-owned







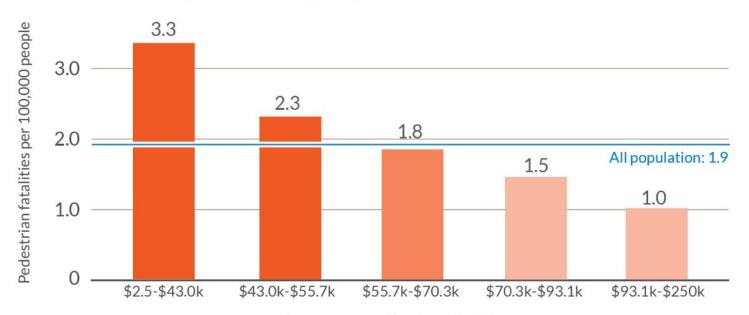






People walking in lower-income areas are killed at far higher rates

Pedestrian fatalities per 100k people by census tract income



Census tract median household income

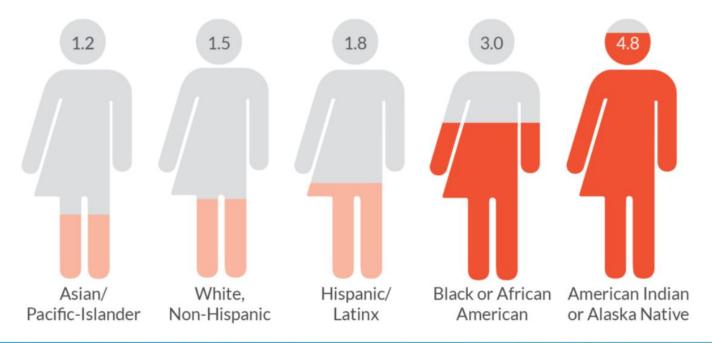
DANGEROUS BY DESIGN 2022





People of color, particularly Native and Black Americans, are more likely to die while walking than any other race or ethnic group

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



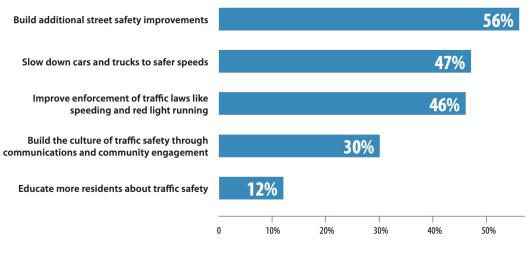




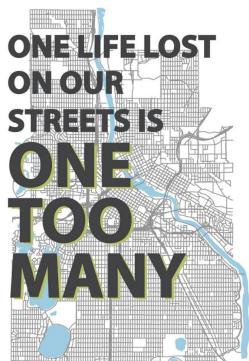


Foundation in Values

Question 2: If you could choose two areas that the City should focus on to improve traffic safety, what would they be?



Based on 1,139 responses.



ABDISHAKUR

ANTWANIKA

DANA

DEBRA

FELICIA HAILU

KENNETH

ENNETH

KIMBERLY KIMEL

RASHID

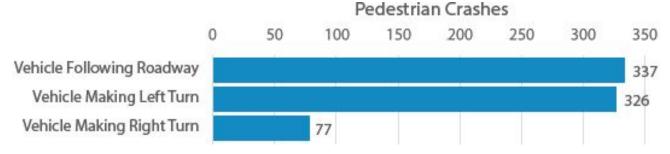
SCOTT

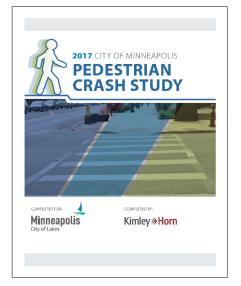
SHERYL

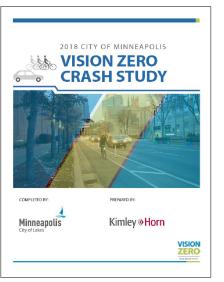
STEVEN TERRENCE

TYRONE

Focus on Risks

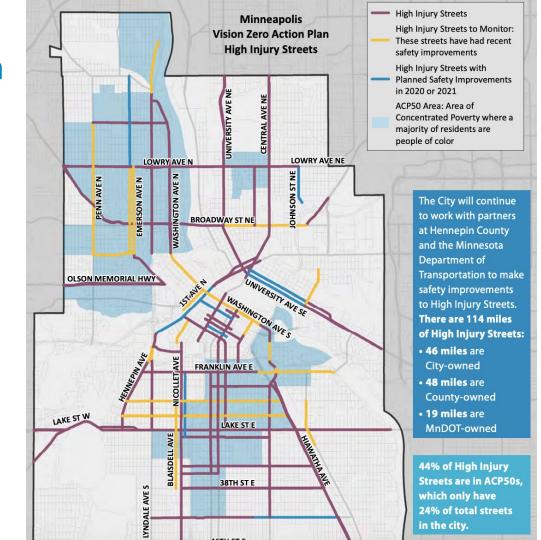






Redesigning High-Crash Corridors: a Powerful Equity Program

9 % of Streets → 70 % of people killed or severely injured



SAN FRANCISO'S HIGH INJURY NETWORK

The Vision Zero High Injury Network (HIN) guides the city's investments in infrastructure and programs, and ensures that Vision Zero projects support those most in need.

75%

of San Francisco's severe and fatal traffic injuries occur on just

13% of our streets.

31%

of city streets are in Communities of Concern.

50%

of the high injury network is in those same communities.

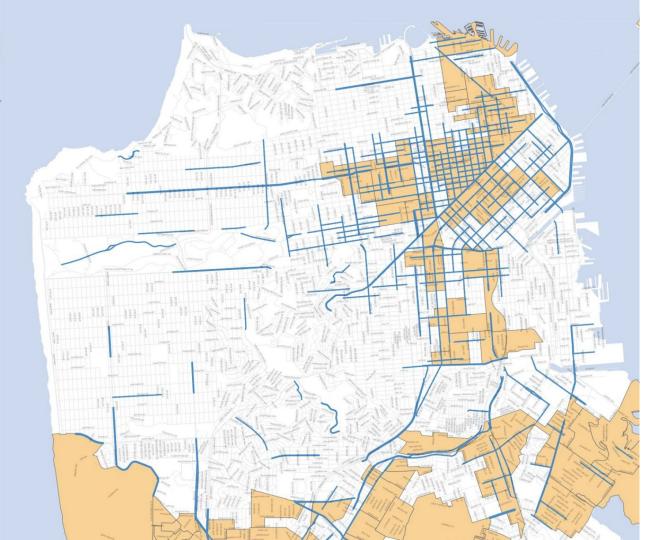
MAP LEGEND

High Injury Network

The 13% of streets where 75% of severe and fatal collisions occur.

Metropolitan Transportation Commission Communities of Concern

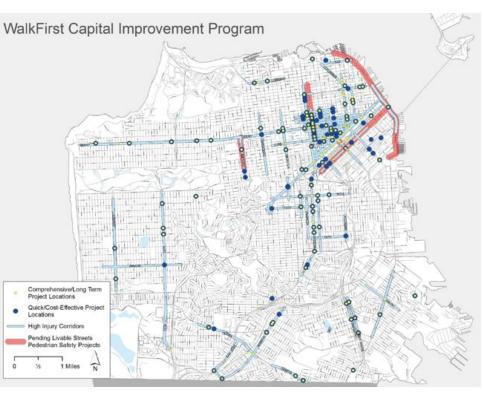
Low-income communities, communities of color, seniors and people who rely on walking and transit as their primary means of transportation.

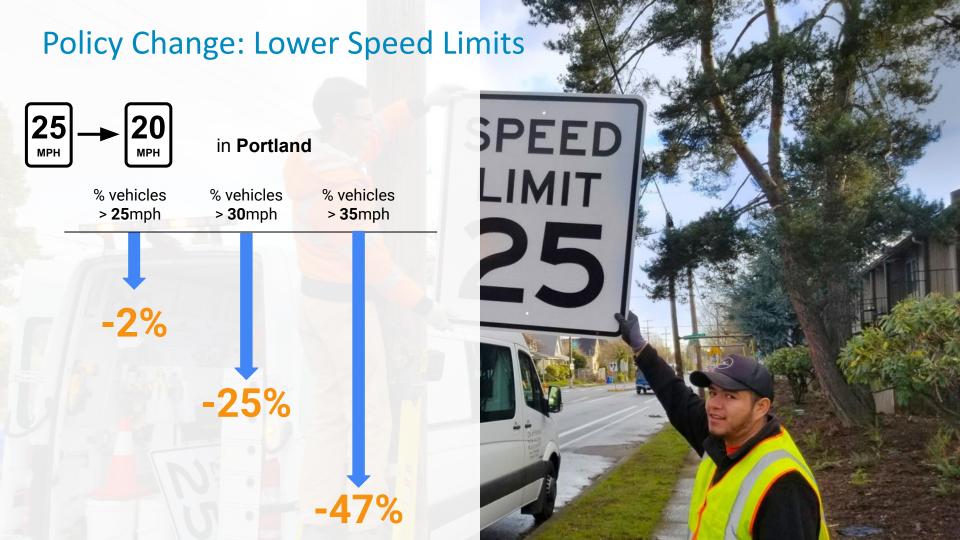


High-Injury Corridors

→ Priority Projects









NCUTCD's recommended changes align with City Limits:



Conflict Density

(how frequently potential conflicts arise on a given street)



Activity Level

(potential pedestrian, bicycle, transit, and stationary / public space use on a street)

	862	Гюново
	863	SPEED LIMIT SIGNS AND PLAQUES
	864	Section 2B.21 Speed Limit Sign (R2-1)
	865	Standard: Support:
	866	01 Speed zones (other than statutory speed limits e.g, established by Federal or state law) shall
	867	only be are established on the basis of an engineering study that has been performed in
	868	accordance with traffic engineering practices.
	869	Guidance:
	870	02 Among the factors that <u>are</u> should be considered when establishing or reevaluating speed
	871	limits within speed zones are the following:
	872	A. Speed distribution of free-flowing vehicles (such as current 85th percentile; the pace;
	873	review of past speed studies)
	874	B. Reported crash experience for at least a 12-month period <u>relative to similar roadway.</u>
	875	C. Road characteristics (such as lane widths; <u>curb/</u> shoulder condition; grade; alignment
	876	median type; sight distance)
	877	D. Road context (such as roadside development and environment, (number of driveways,
	878	land use); functional classification; parking practices; presence of sidewalk/bicycle
	879	<u>facilities</u> pedestrian activity; bicycle activity).
	880	F Road Users (such as nedestrian activity, hicycle activity)

Major Street Redesign – ped safety in all projects



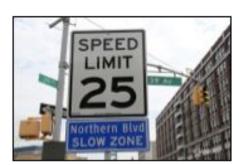


Bus Lanes



Bike Lanes











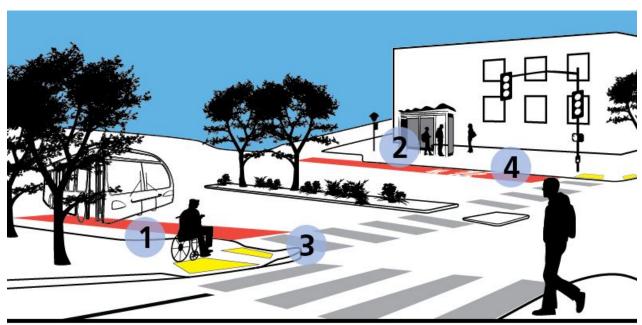
Speed Limit Change

Signal Timing

Signal Installation

Midblock Crossings

Major Street Redesign – ped safety in all projects



1 Dedicated bus lanes

Bus stop changes Removals/

relocations

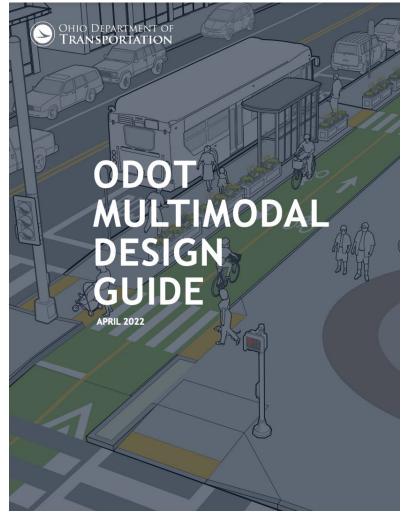
Pedestrian bulb-outs and other safety improvements

Bus bulb-outs
sidewalk
extensions at
bus stops

Major Street Redesign – ped safety in all projects









ACHIEVING MULTIMODAL NETWORKS

APPLYING DESIGN FLEXIBILITY & REDUCING CONFLICTS





AUGUST 2016

KEY DESIGN FLEXIBILITY

The **2011 AASHTO Green Book** provides flexibility when it comes to selecting appropriate design speeds given the context of a particular roadway:

"Design speed should be a logical one with respect to the anticipated operating speed, topography, the adjacent land use, and the functional classification of the highway. In selection of design speed every effort should be made to attain a desired combination of safety, mobility, and efficiency within the constraints of environmental quality, economics, aesthetics, and social or political impacts"

AASHTO Green Book 2011, p. 2-54

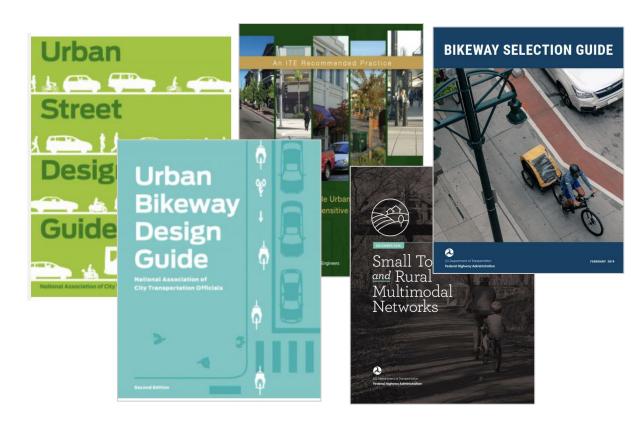
SOUTH GOLDEN ROAD GOLDEN, CO

The City of Golden installed a series of four roundabouts resulting in improvements to traffic operations and economic development. Initially, South Golden Road served 12,000 vehicles per day via four travel lanes and one center turn lane. The wide roadway, inconsistent sidewalks, and numerous driveways contributed to speeding and reduced access to side streets. In 1999, four roundabouts and raised medians were constructed. After installation, the 85th percentile travel speed decreased from 47 mi/h to 35 mi/h, and travel time decreased from an average of 103 to 78 seconds. The crash rate dropped 67 percent and traffic-related injuries dropped over 80 percent. The more pedestrian-oriented environment contributed to economic activity, and sales tax revenue increased 68 percent.

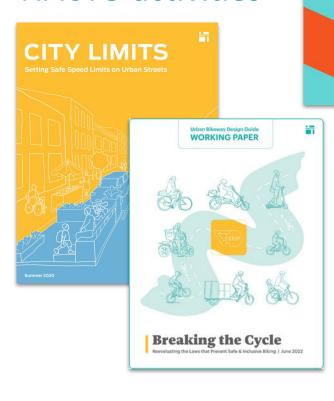


New with IIJA: any FHWA-recognized guidance allowed

Cities must formally adopt a design guide to apply it to federally-funded projects.



NACTO activities

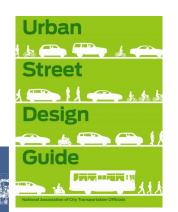




NACTO

Tactics for Transforming Transit in Two Years







Foundation in values

Focus on risks

Determine who & where-

& talk to them

Change policies too

Embed opportunities

Be proactive!

Who does this project help?

How? How much?

Is it safe (not just safer)?

Is it comparable to others?

Who is not in the room?

How can we hear from them?

How do we address concerns?

How do we make it stick?

