

# Bicycle Advisory Committee

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Education Subcommittee

December 20, 2023



PLANNING &  
DEVELOPMENT  
DEPARTMENT

# Mission and Vision

## **BAC Mission**

To advise and make recommendations to the commission and the director on issues related to bicycling in the city including, but not limited to, amendments to the Bike Plan, bicycle safety and education, implementation of the Bike Plan, development of strategies for funding projects related to bicycling, and promoting public participation in bicycling.

## **BAC Vision**

By 2027, the City of Houston will be a Safer, More Accessible, Gold Level Bike-Friendly City

# BAC Education Subcommittee Roll Call

Tom Compson, Chair BAC

Leah Chambers, Co-Chair

Jessica Wiggins, Co-Chair

Carl B. Salazar

Joe Cutrufo

Lisa Graiff

Ben Drews

Robin Holzer

## Ex-Officio Members

Ian Hlavacek

David Fields

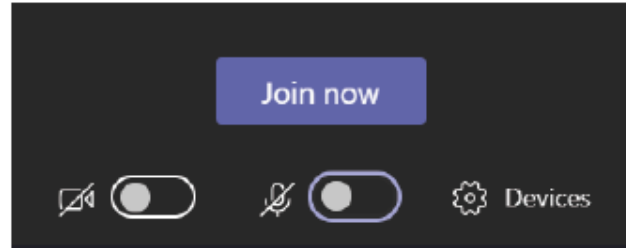
Juvenal Robles

# Microsoft Teams Meeting Instructions

**Agenda and Slides:** <https://houstonbikeplan.org/bac/>

**Join By Phone:** 936-755-1521; ID 594 297 824#

# Microsoft Teams Meeting Instructions



Please Remember to Stay on **Mute**, unless Identified by the Chair to speak

If you are connecting through the phone, please mute/unmute by pressing **\*6**



# Agenda

1. Director's Report
2. Co-Chair's Report
3. Public Comment
4. Vision Zero Houston Update
5. Discussion: Future Bikeways Metrics and Data
6. Discussion: Bike Plan Website
7. Open Forum
8. Announcements

**The public is invited to speak for up to two (2) minutes each at the beginning of the meeting.**

# Director's Report

David Fields

# Co-Chair's Report

Jessica Wiggins

Leah Chambers

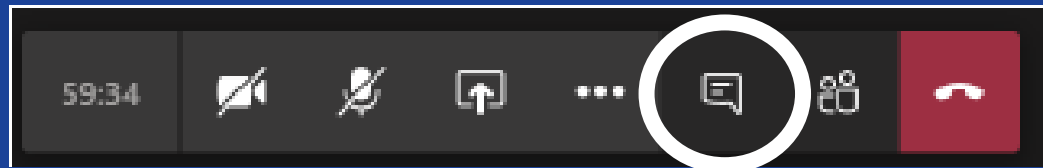


# Public Comment

Send **written comments** to [bac@houstontx.gov](mailto:bac@houstontx.gov) by 5:00pm the day before a BAC meeting. Comments will be read aloud by staff during the meeting.

Comment by **Phone**: to join dial 936-755-1521; ID 594 297 824# Press \*6 to unmute when called upon by the Chair

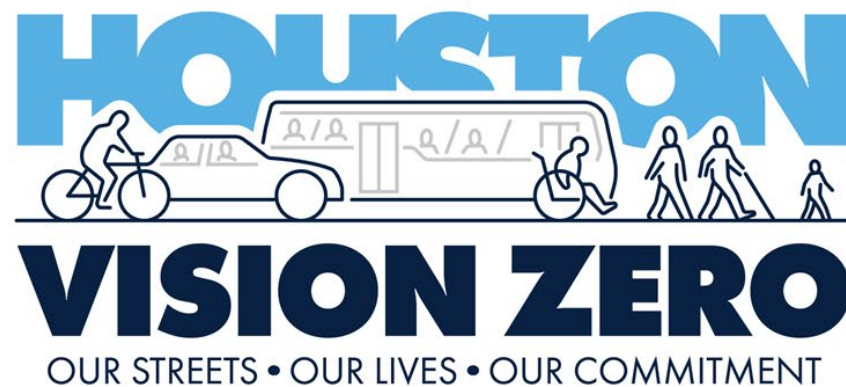
Comment via **Microsoft Teams**: Type your name and that you would like to comment





Sofia Font

Vision Zero Coordinator



# BAC - Presentation

December 20, 2023

# The Path to Vision Zero

2019:  
Mayor Sylvester Turner  
signs Vision Zero  
Executive Order

Commitment to end  
traffic deaths and  
serious injuries on  
Houston's streets by  
2030





# Houston Vision Zero Action Plan

2020:  
Release  
Vision Zero  
Action Plan



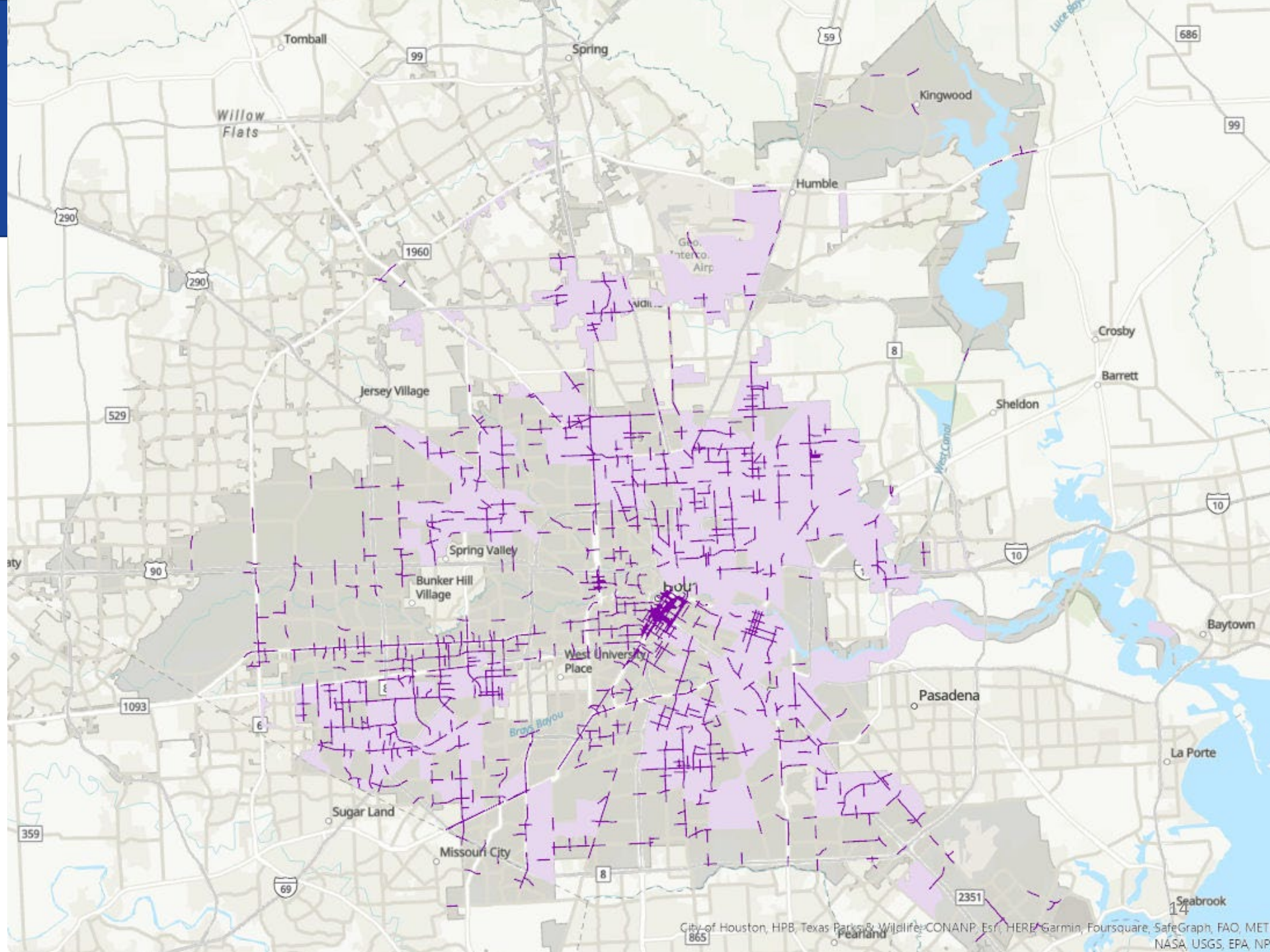
# Implementation Group

- City of Houston
  - Planning & Development
  - Houston Public Works
  - Mayor's Office of Communications
  - Mayor's Office for People with Disabilities
  - Human Resources
  - Legal Department
  - Houston Police Department
  - Houston Health Department
  - Houston Fire Department
- M E T R O
- Harris County
- Houston-Galveston Area Council
- TxDOT
- Federal Highway Administration
- Houston Parks Board
- Voice of Houston representative



# High Injury Network: 2023

**9% of Houston's streets account for 58% of Houston's Traffic Deaths and Serious Injuries**



# Leadership & Collaboration



Houston Coalition for Complete Streets



# Federal BIL Grants 2022



# Bipartisan Infrastructure Law: HIN

Reconnecting Communities:  
Hillcroft Ave Planning  
\$550k Awarded

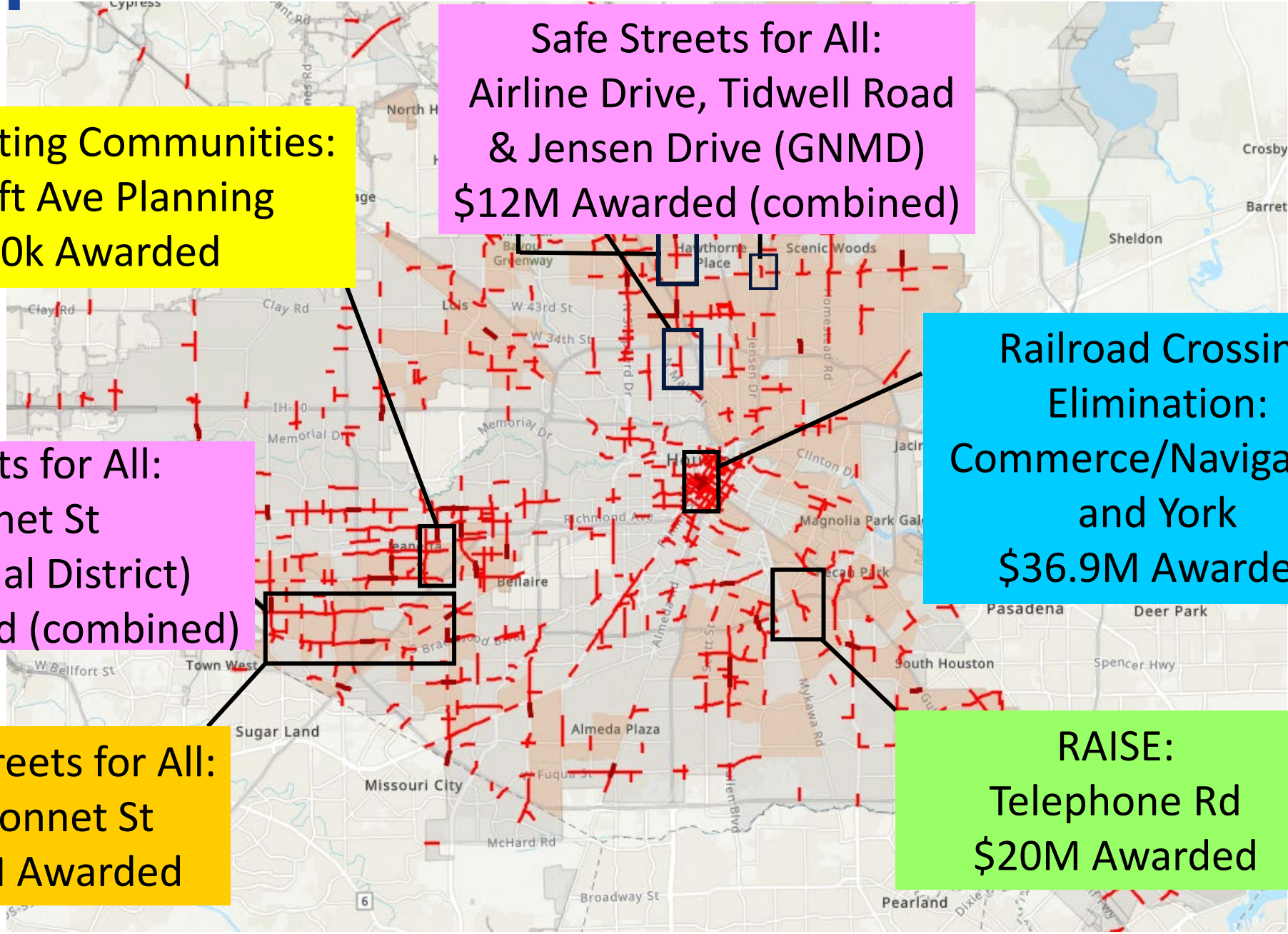
Safe Streets for All:  
Airline Drive, Tidwell Road  
& Jensen Drive (GNMD)  
\$12M Awarded (combined)

Safe Streets for All:  
Bissonnet St  
(International District)  
\$12M Awarded (combined)

Railroad Crossing  
Elimination:  
Commerce/Navigation  
and York  
\$36.9M Awarded

Safe Streets for All:  
Bissonnet St  
\$29M Awarded

RAISE:  
Telephone Rd  
\$20M Awarded



# Fatality Review Board





# Implementing Vision Zero

## Garden City Drive



## Crosswalk Art at Franklin Elementary School





# Campaigns & Website

## Let's Talk Houston



Join the conversation



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August 2023



RESIDENTS BUSINESS VISITORS



GOVERNMENT SERVICES CONTACT / SEARCH



### About Vision Zero Houston

Everyone deserves safe, accessible streets and sidewalks. That's why Houston is committed to ending traffic deaths and serious injuries by 2030. We can prevent people from dying on our roadways. No loss of life is acceptable. Vision Zero Houston prioritizes safety and accessibility in street design for people of all ages and abilities. It requires collaboration and leadership to improve mobility through engineering, enforcement, education, evaluation, and equity. Vision Zero Houston is a comprehensive and holistic approach to safer streets that supports the common good and enhances the quality of life for all Houstonians. [Read more about Vision Zero](#)

### VISION ZERO QUICK LINKS

- [Home](#)
- [Contact Us](#)
- [Community Engagement and Outreach Efforts](#)
- [Resources and Data](#)
- [Vision Zero Pledge](#)
- [Implementation Group](#)
- [Planning Department](#)
- [Houston Public Works](#)

### CALENDAR

Local Public Calendar
Thursday, November 9
2:30pm - Mayor Commission (H&K)
6:30pm - Houston Performance Workshop (M&T)
Friday, November 10
9:00am - City Council Meeting
Saturday, November 11
Veterans Day
Wednesday, November 15
2:30pm - SAC Infrastructure Subcommittee Mtg
Thursday, November 16
2:30pm - Planning Commission



### VISION ZERO ANNUAL REPORT

How has Vision Zero progressed since the Action Plan was launched? This report presents an update of 2022 Vision Zero-related data based on benchmarks identified in the Vision Zero Action Plan.

- [Read the 2022 Annual Report](#)
- [Read the 2021 Annual Report](#)



### HIGH INJURY NETWORK

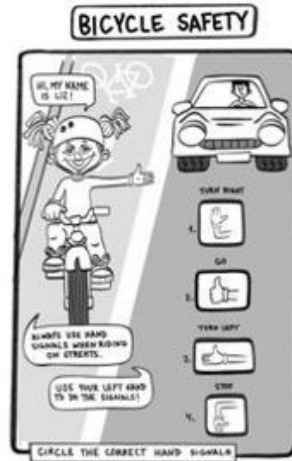
The High Injury Network represents 60% of traffic deaths and serious injuries occurring on 6% of Houston streets. This subset of streets helps the City and its partners identify solutions to prevent future severe crashes.

- [View the High Injury Map](#)
- [Download the High Injury Network GIS data \(compressed\)](#)





# Vision Zero Coloring & Activity Book / Safety Brochure



1. Follow signs and signals.
2. Walk on sidewalks whenever they are available and barrier-free.
3. If there is no sidewalk, or if a sidewalk is inaccessible, walk facing traffic and as far from traffic as possible.
4. Always keep alert; don't be distracted by electronic devices that take your eyes (and ears) off the road.
5. Whenever possible, cross streets at crosswalks or intersections, look for cars in all directions, including those turning left or right.
6. If a crosswalk or well-lit area is not accessible, please monitor for a long, clear opening in traffic before crossing the street.
7. Drinking and drugs can impair your judgment; consume responsibly.



1. Get acquainted with traffic laws; bicyclists must follow the same rules as motorists
2. You may ride two abreast if you are not impeding the normal flow of traffic or when you are riding on a designated bikeway; otherwise ride single file.
3. Remain alert, keep your head up and look around; watch for opening car doors and other hazards.
4. Use hand signals when turning and use extra care at intersections.
5. A horn or bell, a rear-view mirror, reflectors and a bright headlight also are recommended.
6. Never hitch onto cars.
7. Before entering traffic, stop and look left, right, left again and over your shoulder.



1. Look out for pedestrians everywhere, always.
2. Use extra caution when driving in hard-to-see conditions such as nighttime or bad weather.
3. Stop for pedestrians in crosswalks and stop well back from the crosswalk to give other vehicles an opportunity to see the crossing pedestrians so they can stop too.
4. Never pass vehicles stopped at a crosswalk - there may be people crossing that you can't see.
5. Never drive under the influence of alcohol and/or drugs.
6. Follow slower speed limits in school zones and in neighborhoods where children are present.
7. Be extra cautious and double check surroundings when backing up.



# 2022: A Year of Outreach, Education, & Engagement





# Safe Routes to School – Acres Home



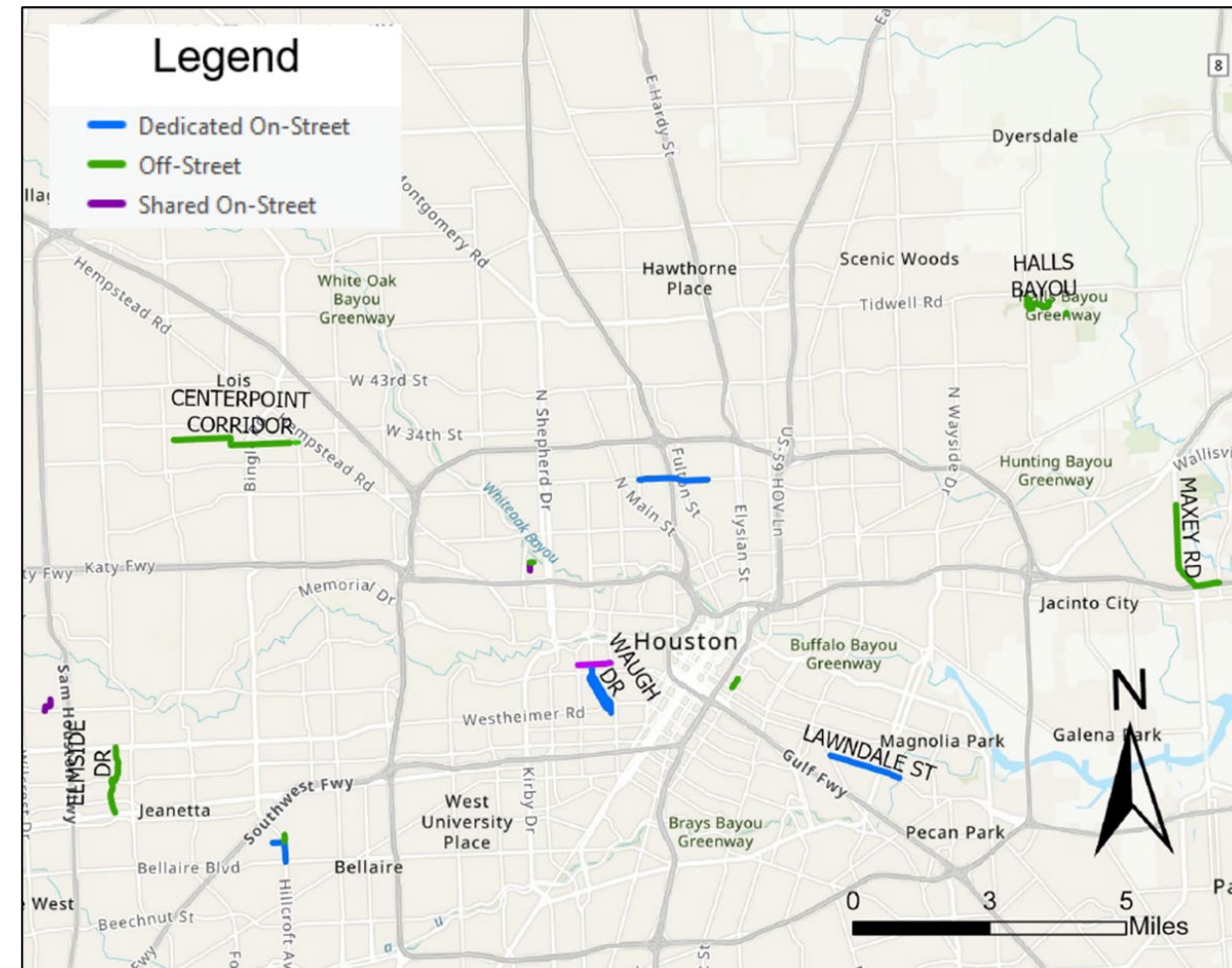


# Miles of Sidewalks and Bikeways constructed

Bikeways	Miles Built in 2022	Total Miles Built as of December 31, 2022	Miles Programmed 2023
Dedicated On-Street	10	39	75
Shared On-Street	0	33	1
Off-Street	10	334	79
Total	20	406	155

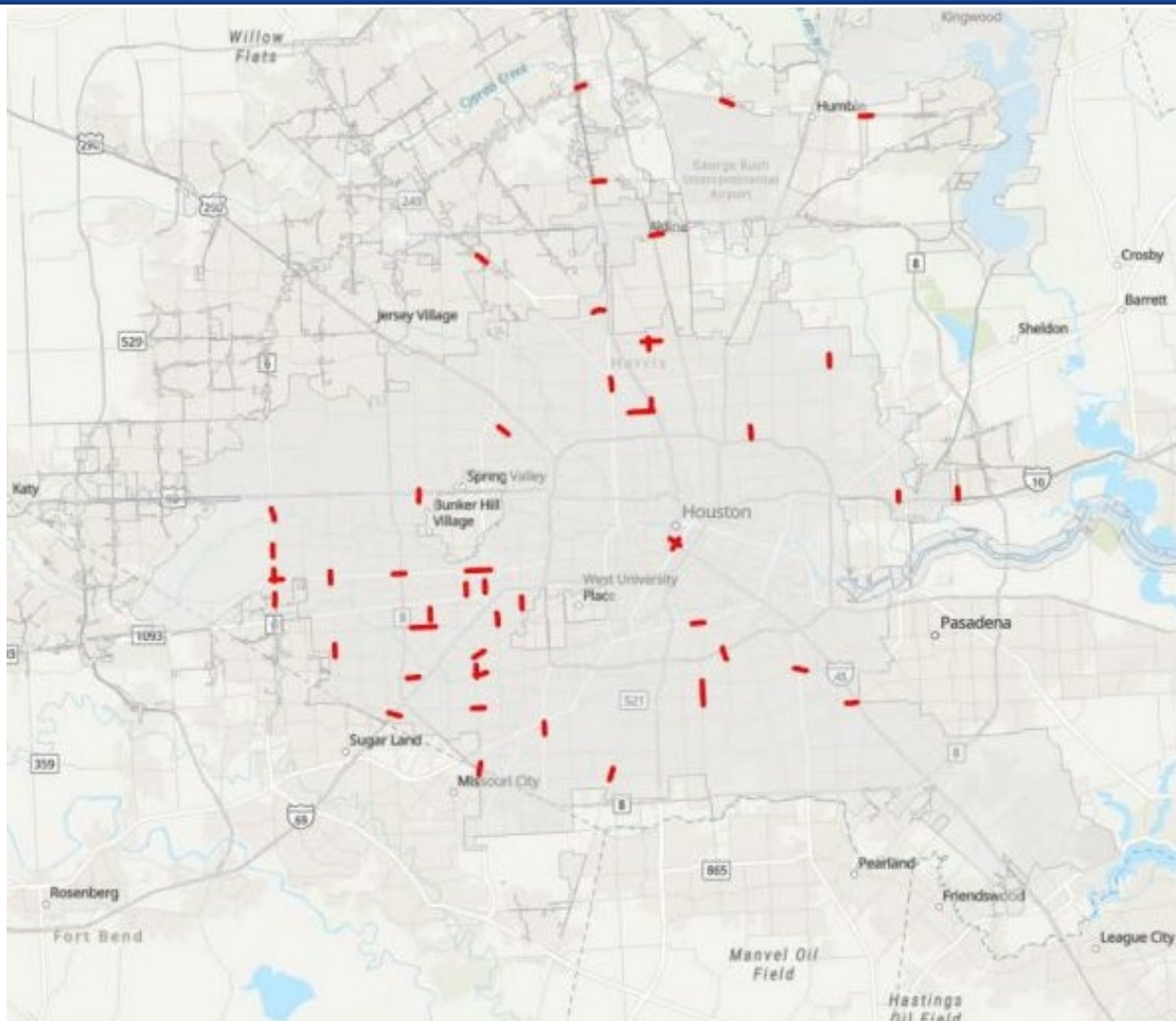
### Locations of Bikeways built in 2022:

- Almeda Road
- Carpenter's Bayou Trail
- High Star Drive
- Hillcroft Avenue/Westward Drive
- Lawndale Street
- Spring Branch Trail (Wirt Road to Blalock Road)
- Walnut Bend Lane
- Waugh Drive/Commonwealth Street
- West Dallas (Shepherd Drive to Tirrell Street)
- Westward Street





# Priority Segments



**26 Miles**  
Priority Segments

# From Plan to Implementation: 2021-2022



**44** All 13 Priority Actions + 31 Strategic Actions Initiated

**35** Miles of Sidewalk

**1,000+** New/Reconstructed Curbs Ramps

**62** Miles of Bikeways

**10** Capital Improvements Projects (Multimodal Safety)

## 2023 Efforts

# Actions as of December 2023

## Communications

Drop the “A” Word Education

Vision Zero Educational Videos for K-12 grade

Distracted Drivers event in collaboration with  
AAA

Vision Zero Summer Camp

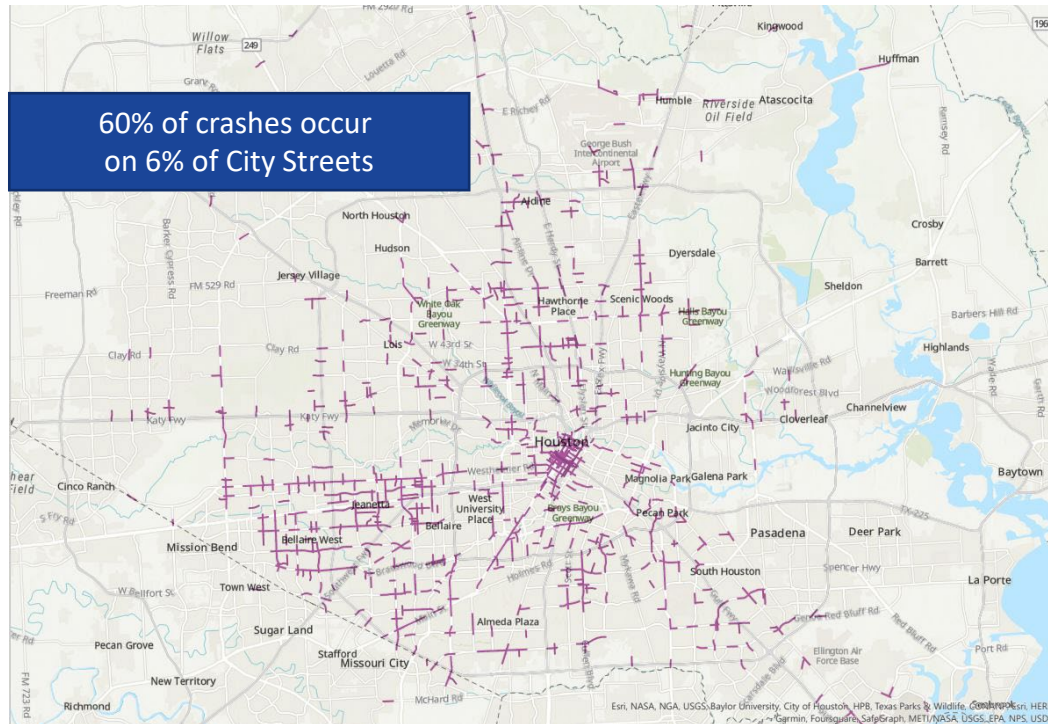
Updates: Quarterly Dashboard, HIN, Humans  
of Houston

# Vision Zero High Injury Network updates

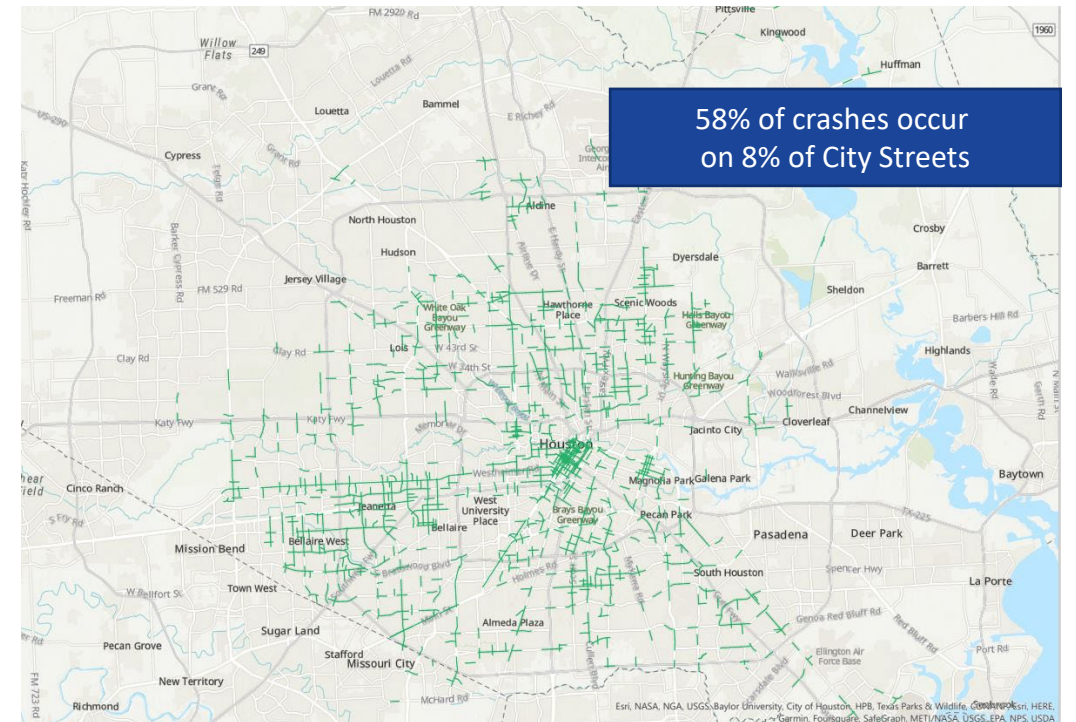
2014-2018 (HIN 2018)



2018-2022 (HIN 2022)



426 Miles

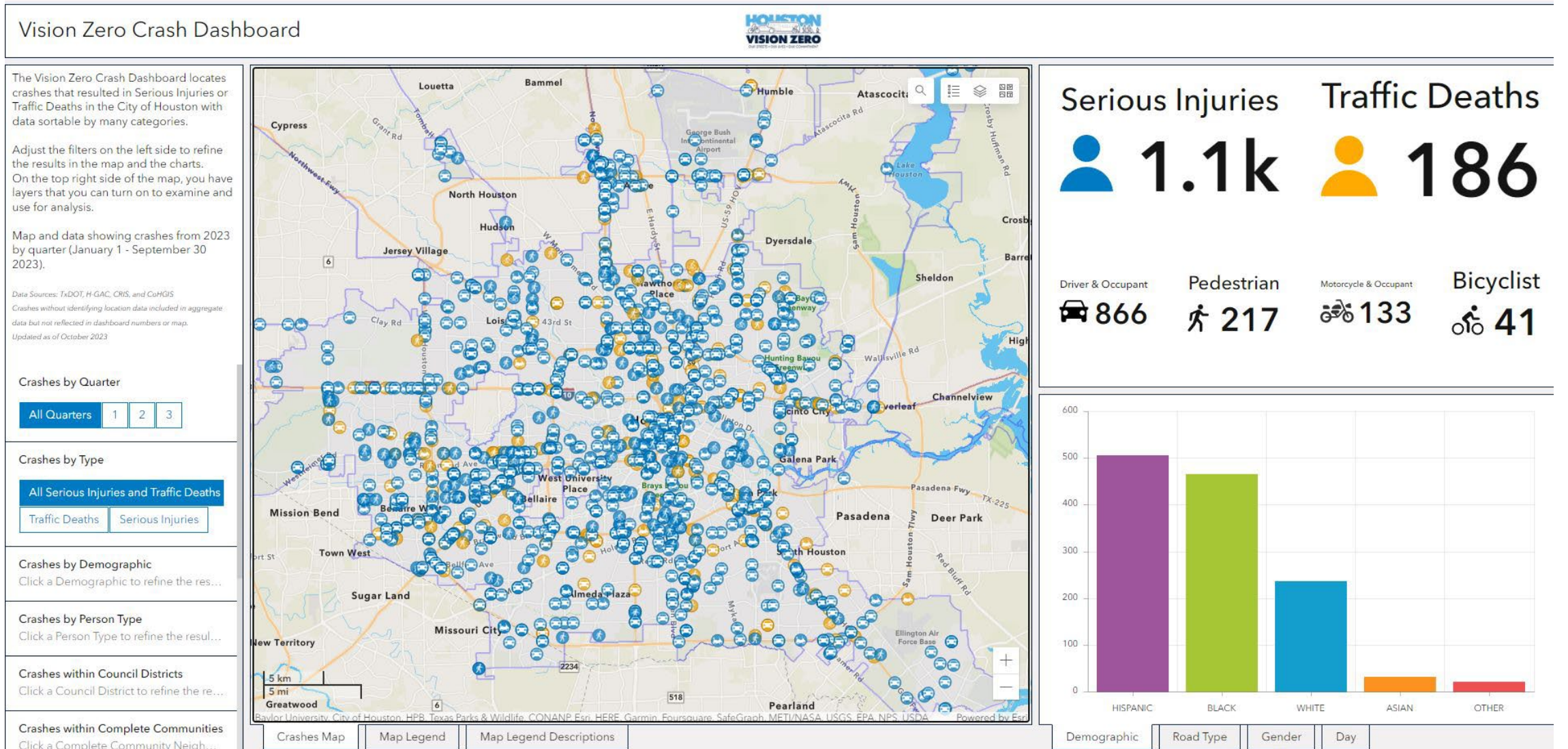


596 Miles



# Vision Zero Dashboard

## Traffic Deaths & Serious Injuries Quarterly Data 2023



# Actions as of December 2023

## Safe Systems

**Design Standards &  
MMLOS**

**Walk audit tool**

Fatality Review Board

Citywide Freight Map

## Safe Speeds

Update Neighborhood Traffic  
Management Program/Slow  
Streets

**Lobby for change to  
Statewide prima facie  
speed limit**

Prioritize speed management in  
corridor design

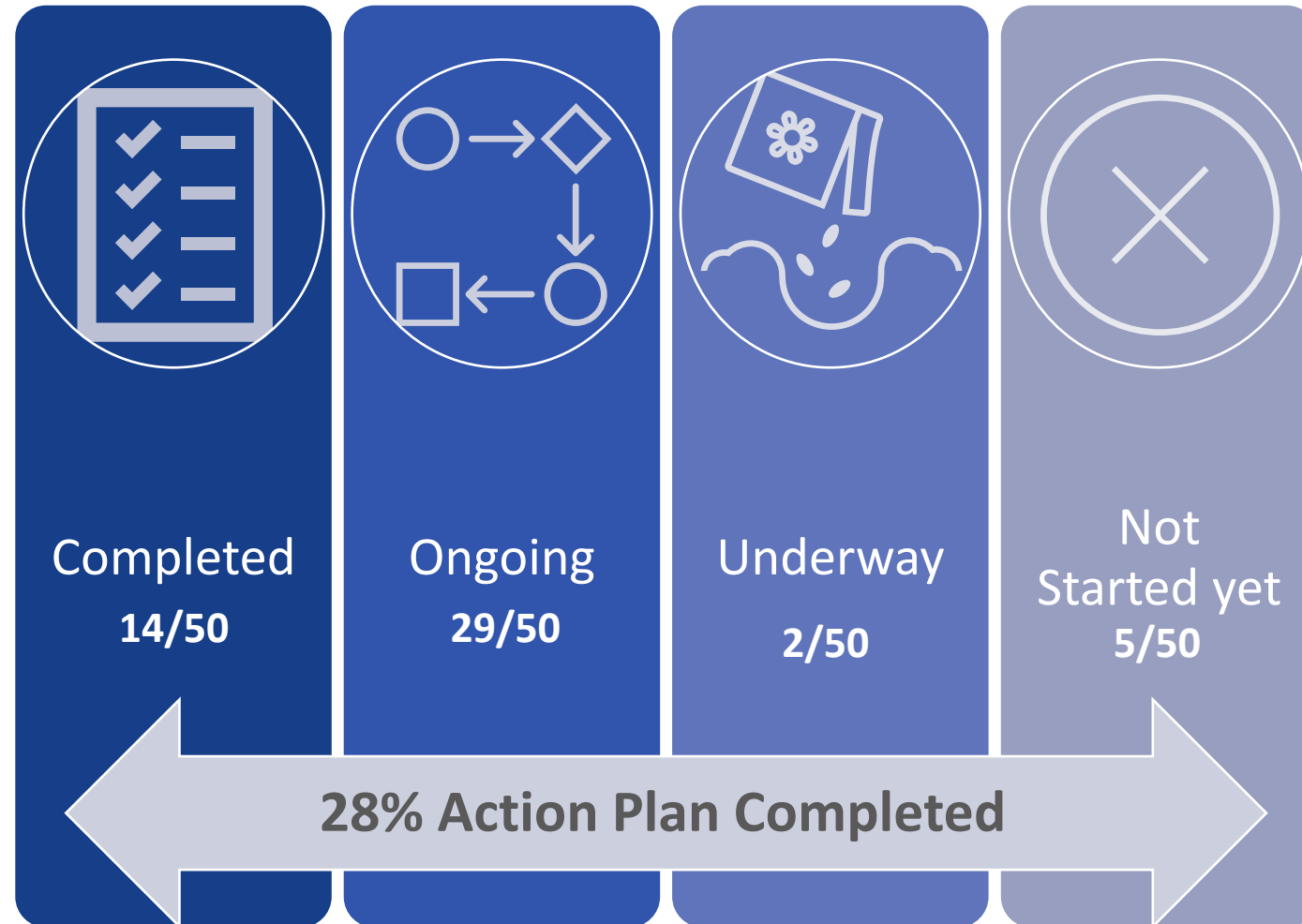
## Programming

Redesign 10 HIN locations every 2  
years and implement  
reconstruction within the  
following fiscal year

50 miles of new sidewalks each  
year; implement new in lieu fee

Install at least 25 miles of high-  
comfort bicycle facilities

# Vision Zero Actions Completed since 2020





# THANK YOU!

Sofia Font  
Vision Zero Coordinator

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[mobility.planning@houstontx.gov](mailto:mobility.planning@houstontx.gov)

Phone  
(832) 393.6600

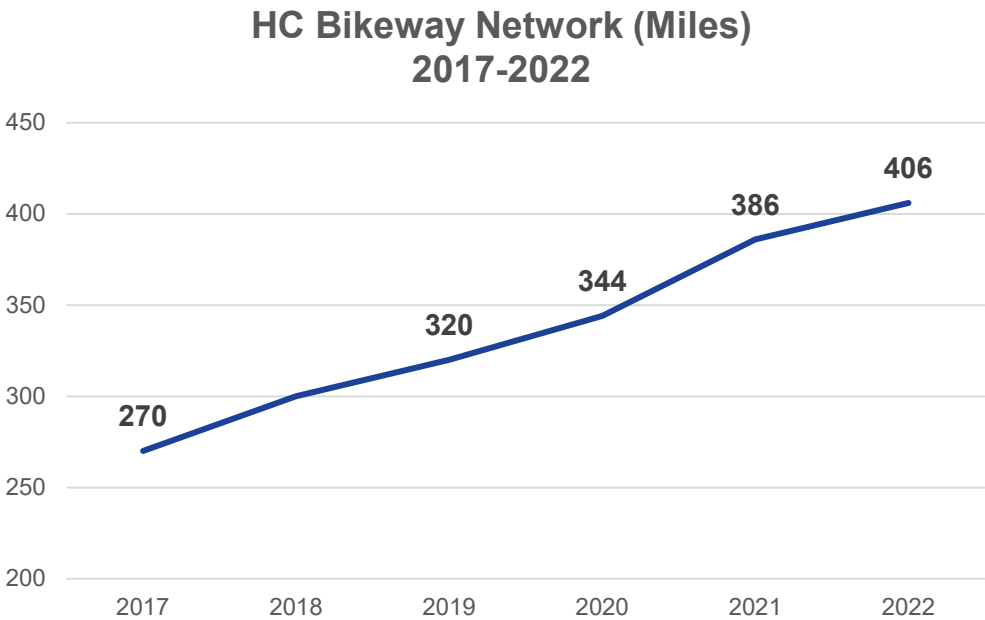
[www.visionzerohouston.com](http://www.visionzerohouston.com)

# **Future Bikeways Metrics and Data**

Brian D. Smith, II  
Planning & Development Department

# Network Mileage

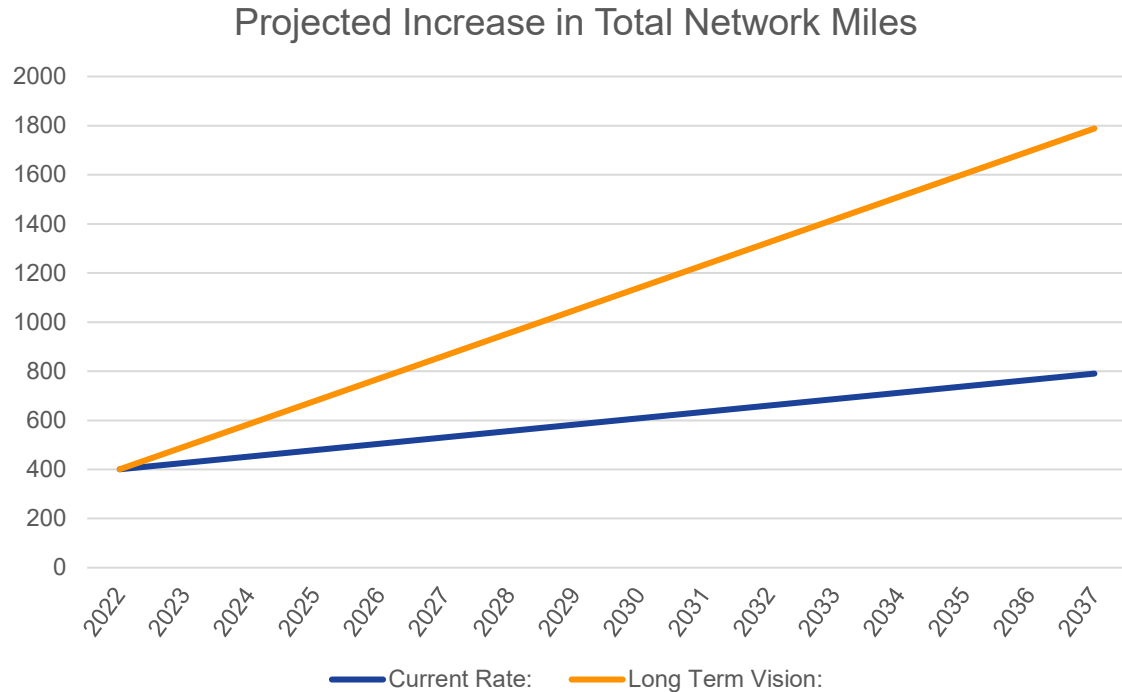
Since adoption of the Houston Bike Plan, Houston’s high-comfort network has increased by **136 miles (50%)**



<u>Year</u>	<u>Miles</u>	<u>Inc</u>	<u>% Inc</u>
2017	270		
2018	No Data		
2019	320	50	19%
2020	344	24	8%
2021	386	42	12%
2022	406	20	5%
Total		136	50%

# Projected Expansion

At its current rate, Houston's bicycle network is projected to grow to **500 miles by 2026**



- Current Growth: 26 mi/year
- Projected Mileage in 2037: 796

*To reach the Houston Bike Plan's Long-Term Vision (1,789 mi) by 2037, the network needs to grow by **92 mi/year**.*

# Goal: Improve Safety

Metric	2016	2018	2020	2022	Δ Since Last Report (2021)	Δ Since Bike Plan (2016)	Δ Average Per Year
# of bicycle-related crashes reported	417	397	320	391	<b>+22%</b> <b>(+71)</b>	<b>-6%</b> <b>(-26)</b>	<b>-1%</b> <b>(-4.33)</b>
# of bicycle-related fatalities (5-yr avg)	5.4	6.8	10.4	12.0	<b>+15%</b> <b>(+1.6)</b>	<b>+122%</b> <b>(+6.6)</b>	<b>+20%</b> <b>(+1.1)</b>
# of bicycle fatalities per 10,000 commuters	10.22	12.47	23.36	23.41	<b>+0%</b> <b>(+0.05)</b>	<b>+129%</b> <b>(+13.19)</b>	<b>+22%</b> <b>+(2.20)</b>
# of Bicycle Friendly Businesses	4	8	8	13	<b>+63%</b> <b>(+5)</b>	<b>+225%</b> <b>(+9)</b>	<b>+38%</b> <b>(+1.5)</b>
# of Bicycle Friendly Universities	0	1	1	1	<b>+0%</b> <b>(+0)</b>	<b>+100%</b> <b>(+1)</b>	<b>+17%</b> <b>(+0.17)</b>

# Goal: Increase Access

Metric: Within distance of a high-comfort bicycle facility	2016	2018	2020	2022	%Δ Since Last Report (2021)	%Δ Since Bike Plan (2016)	%Δ Average Per Year
% jobs within 1/2 mile	46%	50%	72%	65%	-9%	+41%	+7%
% population within 1/2 mile	38%	44%	48%	52%	+8%	+37%	+6%
% minority population within 1/2 mile	32%	46%	47%	48%	+2%	+50%	+8%
% low-income population within 1/2 mile	32%	42%	61%	64%	+5%	+100%	+17%
% population with comfortable access (within 1/2 mile) to Bayou Greenways	21%	42%	44%	46%	+5%	+119%	+20%
% Transit Nodes (Transit Centers, Park & Rides, and light rail stations) within 1/4 mile	37%	51%	47%	49%	+4%	+32%	+5%
% schools and libraries within 1/4 mile	23%	28%	27%	26%	-4%	+13%	+2%
% community and multi-service centers within 1/4 mile	33%	39%	39%	39%	0%	+18%	+3%

# Goal: Increase Ridership

Metric	2016	2018	2020	2022	△ Since Last Report (2021)	△ Since Bike Plan (2016)	△ Average Per Year
Commute mode share	0.54%	0.53%	0.40%	0.30%	-25%	-44%	-7%
# of permanent count stations	2	4	4	4	0% (0)	+100% (+2)	+17% (+0.33)
# of bike boardings on METRO (annual)	262,649	283,019	187,514	174,736	-7% (-12,778)	-33% (-87,913)	-6% (-14,652)
# of BCycle checkouts (annual)	98,449	165,585	299,204	200,000	-33% (-99,204)	+103% (+101,551)	+17% (+16,925)
Annual city events that support increased ridership (Sunday Streets, Tour de Houston, BAC meetings, etc.)	11	29	22	16	-27% (-6)	+45% (+5)	+8% (+0.83)

# Goal: Develop and Maintain Facilities

Metric	2016	2018	2020	2022	△ Since Last Report (2021)	△ Since Bike Plan (2016)	△ Average Per Year
Miles of high-comfort bikeways per capita (10,000 people) (existing and programmed)	1.17	1.5	1.72	2.4	+40% (+0.68)	+105% (+1.23)	+18% (+0.21)
Population within 1/4 mile of a BCycle Station	27,900	100,179	208,897	212,369	+2% (+3,472)	+661% (+184,469)	+110% (+30,745)
Jobs within 1/4 mile of a BCycle station	115,600	417,294	439,668	415,199	-6% (-24,469)	+167% (+259,599)	+28% (+43,267)
% of major transit nodes with secured bike parking	4%	4%	35%	TBD	TBD	TBD	TBD
Dedicated City staff (FTE) for bikeway program	1	5	No data	7.6	-	+660% (+6.6)	+110% (+1.1)



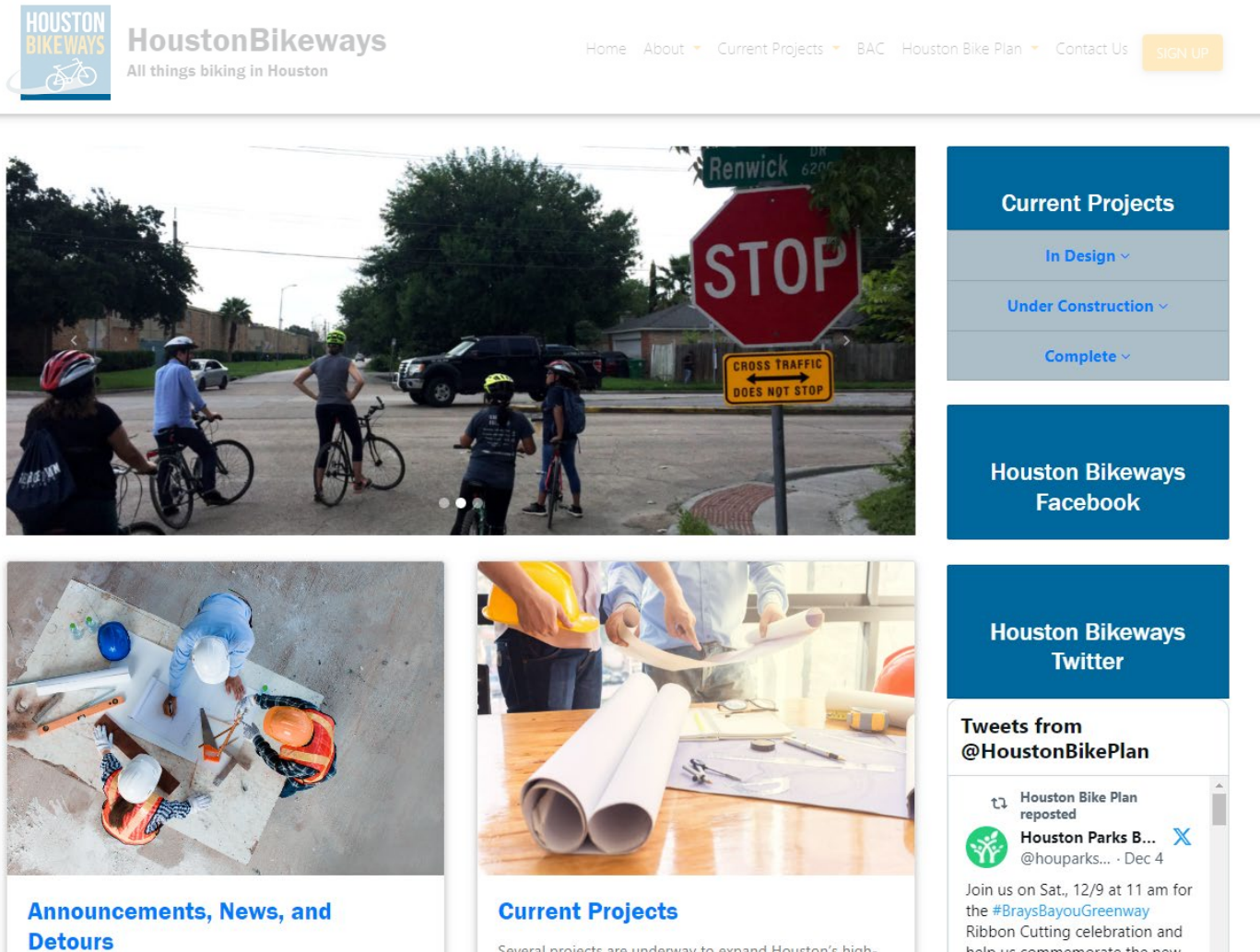
# Future Metrics

Metric	Notes/Staff Comments
# of scheduled bikeways closures/detours	<i>Maintain as a routine tally, not for report</i>
# bike crashes: - by council district - on/off corridors with HC bicycle facilities - on TxDOT facilities	<i>Utilize VZ dashboard and reports for data</i>
Sweeper Usage	<i>Total number of miles swept Routine maintenance report (days out) # of times sweeper is deployed</i>
Bike Friendly Training	<i>Metric was tracked in previous reports, but we need a more accurate way of tracking trainings given and attendance</i>
Share of transportation budget spent on cycling	<i>\$\$\$ spent on constructing bikeways (more/less than budgeted amount) Share of transportation budget spent on bikeways</i>
Bike Friendly Drivers Training (COH)	<i>Number of COH employees who complete training annually (397 in 2023; produce quarterly)</i>
Bike counts	<i>Utilize H-GAC counters program</i>
Bikeway-related 311 calls	<i>Maintenance requests; requests to add facilities</i>

# Discussion: Bike Plan Website

Brian D. Smith, II  
Planning & Development Department

# Updating the Website



We are making changes to the Houston Bike Plan website in 2024 and are asking the Education Subcommittee for feedback on what to update.

**Ask:** Provide content- and information-based recommendations. Some content may migrate to other sites (Let's Talk Houston, City of Houston website).

# Agenda

- ~~1. Director's Report~~
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# Open Forum

# Announcements

## Next Meetings:

- Bicycle Advisory Committee: January 24, 2:30-4:30pm
- Infrastructure Subcommittee: February 28, 2:30-4:30pm
- Education Subcommittee: March 27, 2:30-4:30pm



# Thank You



PLANNING &  
DEVELOPMENT  
DEPARTMENT

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