

Bicycle Advisory Committee

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



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January 27, 2021 2:30-4:30pm
Microsoft Teams <http://bit.ly/HouBAC21>

Committee Member Attendance

Tom Compson, Chair

Alejandro Perez, Vice Chair

Toloria Allen

Zion Escobar

Adam J. Williams

Sandra Rodriguez

Com. Kristine Anthony-Miller

Beth Martin

Lisa Graiff

Clark Martinson

Jessica Wiggins

Yuhayna Mahmud

Nick Hellyer

Judith Villarreal

Amar Mohite

Mike van Dusen

Ana Ramirez Huerta

Robin Holzer

Veon McReynolds

David Fields

Ian Hlavacek

Juvenal Robles



Microsoft Teams Meeting Instructions

Agenda & Slides: <https://houstonbikeplan.org/bac/>

Join by Phone: 936-755-1521

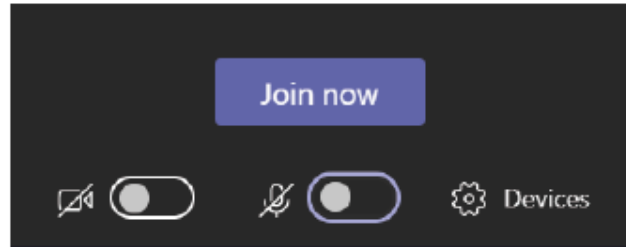
ID: 655 840 514#

Livestream: www.facebook.com/HoustonPlanning



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Microsoft Teams 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. Department's Report
2. Chair's Report
3. Public Comment
4. Bikeway Fatalities and Serious Injuries in 2020 and Year-to-Date
5. Bike Plan 2-Year Strategic Plan Presentation and Feedback
 - a) Draft Project Prioritization for Feedback
6. North Houston Highway Improvement Project and Bike Plan Presentation
7. Bikeway Project Updates
8. Announcements

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



Public Comment



Send written comments to bac@houstontx.gov by 2:00pm the day of a BAC meeting. Comments will be read aloud by staff during meeting



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Bikeway Fatalities and Serious Injuries in 2020 and Year-to-Date

Presented by Commander Anthony-Miller
Houston Police Department



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Decedent Type	YTD 2018	YTD 2019	YTD 2020	2018-2020 % Change	2019-2020 % Change
Bicyclist	9	15	10	11%	-33%

FATALITY REPORT – 2020

- ▶ Shawn Adam Richardson (4/12/20)
- ▶ Mark Brooker (6/11/20)
- ▶ Randy Washington (6/20/20)
- ▶ Kitty Robertson (7/2/20; died 9/3/20)
- ▶ Victor Peterzen (9/1/20; died 9/3/20)
- ▶ Thomas Ho (11/2/20; died 11/7/20)
- ▶ Charles Garner (11/9/20)
- ▶ Paul Torres (11/26/20)
- ▶ Donald Ray Brown (12/2/20)
- ▶ Billy Tucker (11/22/20; died 12/12/20)



2020 BICYCLE FATALITIES



Unit Type	Division / Beat	Inc Count	Major	Minor	Fatal	DWI	FSRA	FSGI
PEDALCYCLIST		15	12	3	1	0	2	1
	Downtown	0	0	0	0	0	0	0
	Central	3	3	0	0	0	0	0
	North	1	1	0	0	0	0	0
	Northwest	0	0	0	0	0	0	0
	Northeast	1	1	0	0	0	0	0
	Kingwood	1	1	0	0	0	0	0
	South Central	2	1	1	0	0	0	0
	Eastside	1	1	0	0	0	0	0
	Clear Lake	2	1	1	0	0	0	0
	Southeast	1	1	0	0	0	0	0
	Southwest	1	1	0	0	0	0	0
	South Gessner	0	0	0	0	0	0	0
	Midwest	1	1	0	1	0	1	0
	Westside	1	0	1	0	0	0	0
	North Belt	0	0	0	0	0	0	0
Total Unit Count: 15		15	12	3	1	0	2	1

- YTD stats (as of 1/1/21 – 1/27/01)
- **15** total crashes involving a pedalcyclist as one of the units
- 1 Fatal

CRASHES (PEDALCYCLIST) YTD 2021



Decedent Type	YTD 2019	YTD 2020	YTD 2021	2019-2021 % Change	2020-2021 % Change
Bicyclist	0	0	1	100%	100%

2021 FATALITY REPORT – YEAR TO DATE

▶ J. Johnson (1/5/20) (FSRA)



2021 BICYCLE FATALITIES

Bike Plan 2-Year Strategic Plan Presentation and Feedback

Brian D. Smith II & Melissa Beeler, AICP
Planning & Development

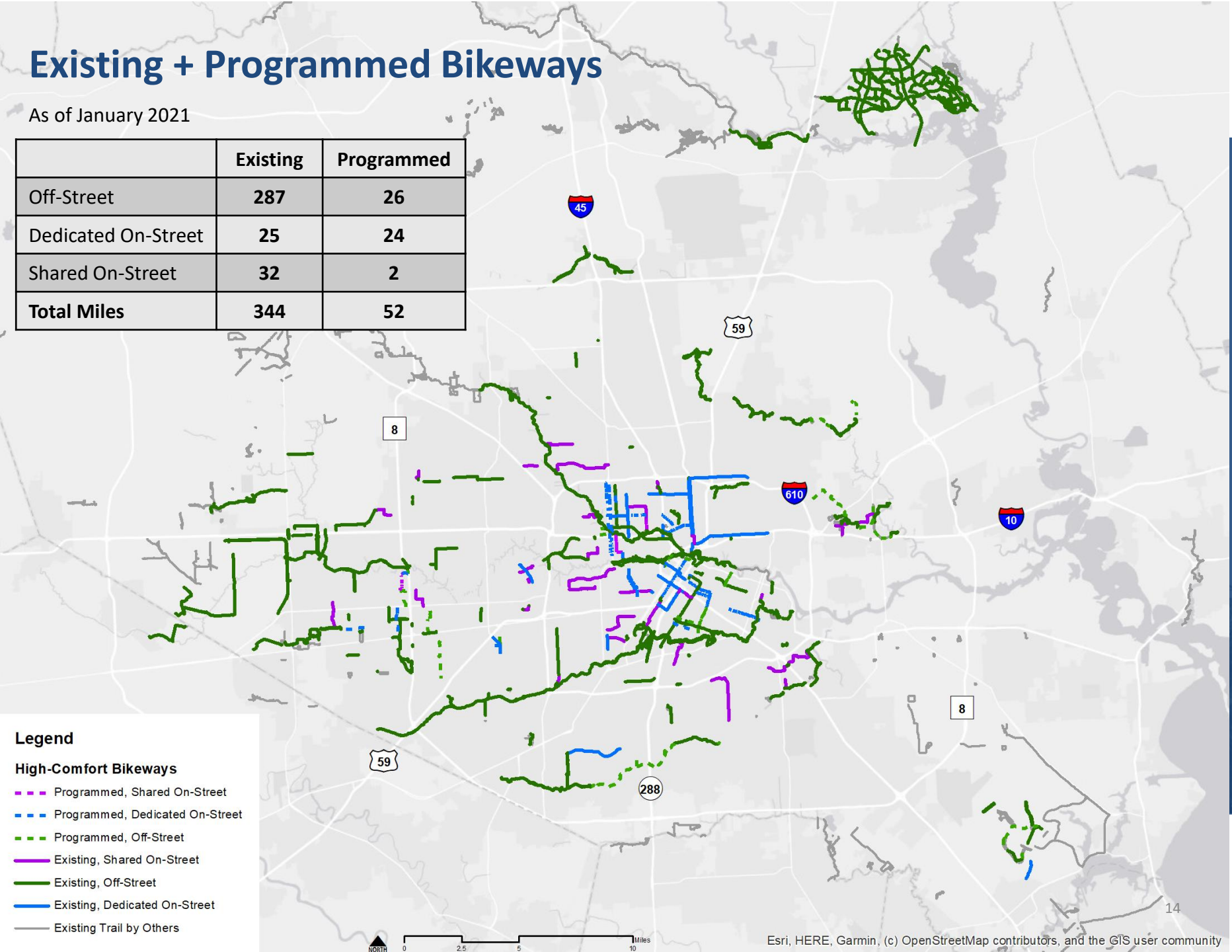


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Existing + Programmed Bikeways

As of January 2021

	Existing	Programmed
Off-Street	287	26
Dedicated On-Street	25	24
Shared On-Street	32	2
Total Miles	344	52



Legend

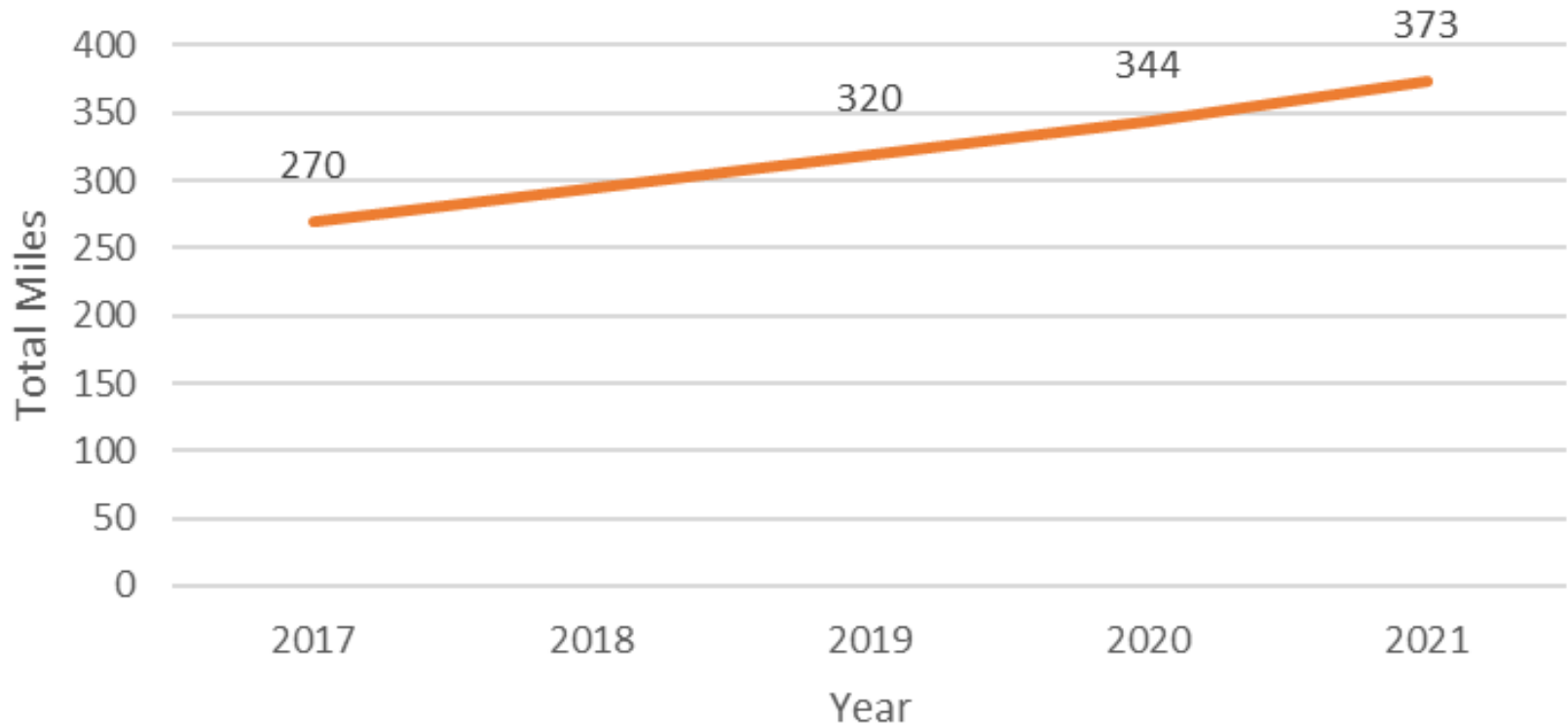
High-Comfort Bikeways

- Programmed, Shared On-Street
- Programmed, Dedicated On-Street
- Programmed, Off-Street
- Existing, Shared On-Street
- Existing, Off-Street
- Existing, Dedicated On-Street
- Existing Trail by Others



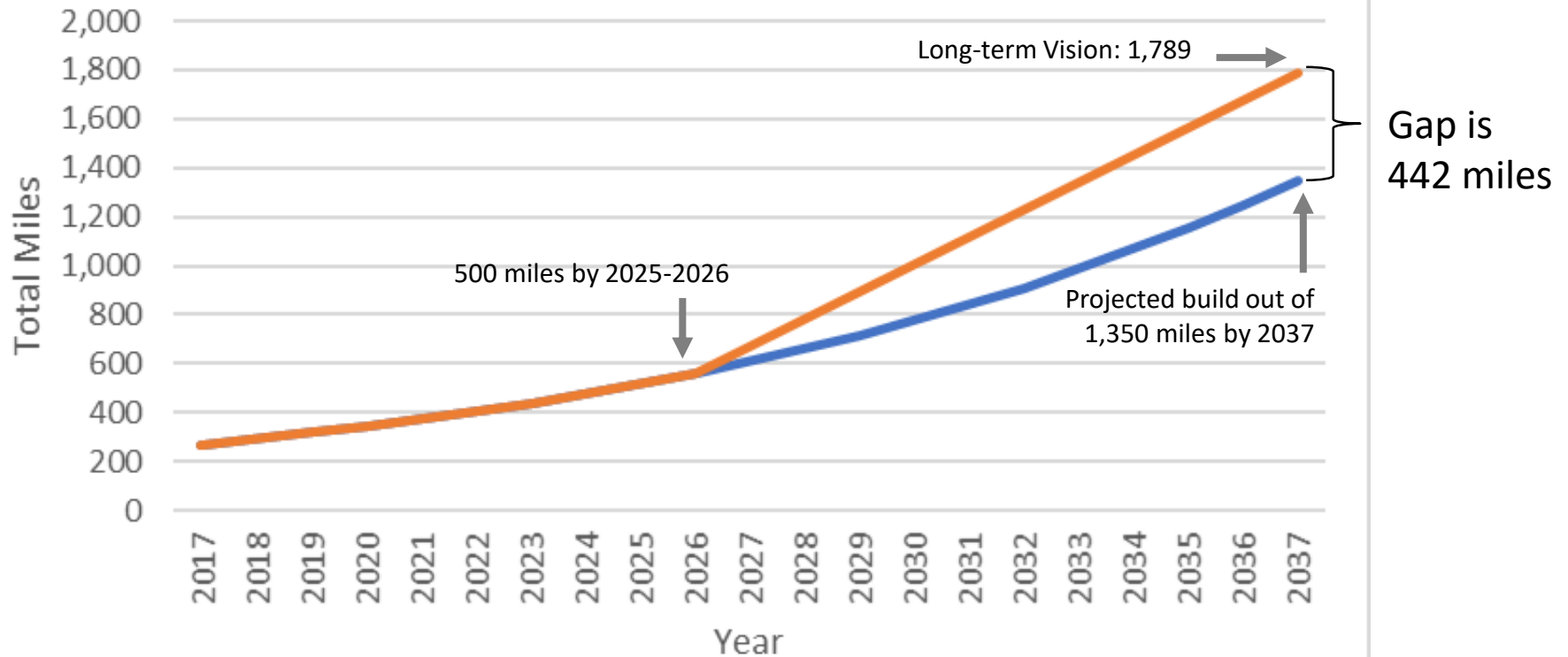
Houston has seen a 27% increase in bikeway mileage since adoption of the Bike Plan.

Total Bikeway Network Miles, 2017-2020 (2021 Projected)



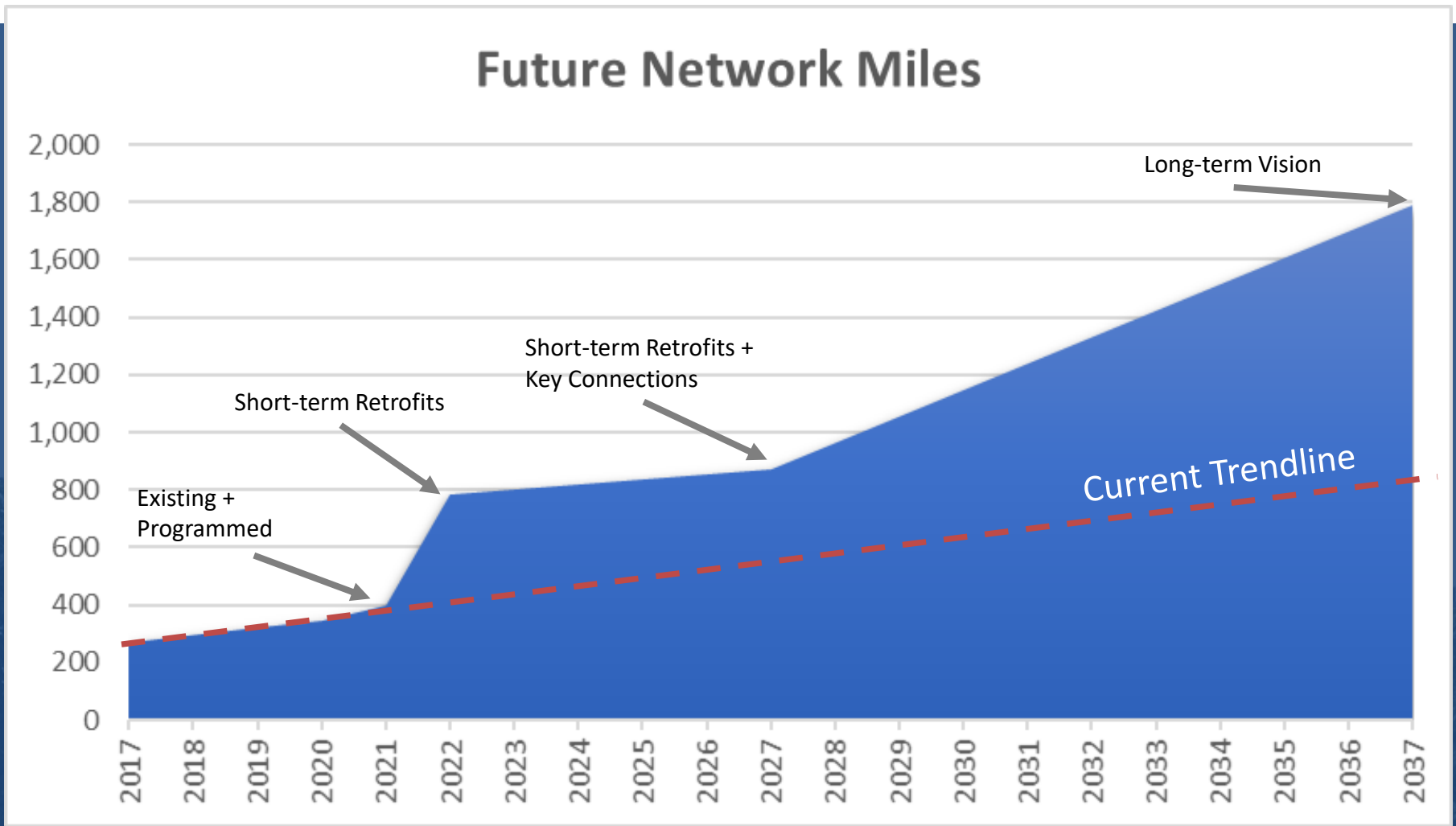
Houston bike network expected to grow to 500 miles by 2025-2026 at current rate.

Projected Increase in Total Network Miles and Houston Bike Plan Goal



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Mileage Milestones in Houston Bike Plan



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↑
Gold-Level Bike-Friendly
Community

Goal: Improve Safety

<u>Metric</u>	<u>2016</u>	<u>2018</u>	<u>2020</u>	<u>Change</u> <u>(2018-2020)</u>	<u>Change</u> <u>(2016-2020)</u>
# of bicycle related crashes reported (HPD)	417	397	320	-19%	-23%
# of bicycle fatalities (5-year average)	5.4	6.8	10.4	+53%	+93%
# of bicycle fatalities per 10,000 commuters (HPD/Census)	10.22	12.47	23.36	+87%	+129%
# of people who complete an approved bicycle education program (Learn to Ride, LCI classes) (Bike Houston/League)	TBD	TBD	1	-	-
# of “Bicycle Friendly Businesses” and Universities (League)	4	8; 1 univ	8; 1 univ	0	+5



Goal: Increase access

<u>Metric</u>	<u>2016</u>	<u>2018</u>	<u>2020</u>	<u>Change (2018-2020)</u>	<u>Change (2016-2020)</u>
% jobs within ½ mile of a high-comfort bike facility	46%	49.8%	71.8%	+22%	+25.8%
% Overall population	38%	44%	48%	+2%	+10%
% Minority population	32%	46%	47%	+1%	+15%
% Low-income population	32%	42%	61%	+19%	+29%
Transit nodes (transit centers, Park & Rides, and light rail stations)	37%	51%	47%	-4%	+10%
Schools and libraries	23%	28%	27%	-1%	+4%
Community and multi-service centers	33%	39%	39%	0%	+6%
% population with comfortable access to greenways system (bayous and other trails) (Houston Parks Board, COH)	21%	42%	44%	+2%	+23%



Goal: Increase Ridership

<u>Metric</u>	<u>2016</u>	<u>2018</u>	<u>2020</u>	<u>Change (2018-2020)</u>	<u>Change (2016-2020)</u>
Commute mode share	0.54%	0.53%	0.40%	-25%	-25%
# of permanent count stations	2	4	TBD	-	-
% growth in bicyclists observed through permanent count stations	TBD	TBD	TBD	-	-
# of bike boardings on METRO per year	262,649	283,019	187,514	-34%	-29%
# of BCycle checkouts per year	98,449	165,585	299,204	81%	204%
Annual City events that support increased ridership (e.g., Sunday Streets, Tour de Houston, Bicycle Advisory Committee meetings)	11	29	22	-24%	+100%



Goal: Develop and Maintain Facilities

<u>Metric</u>	<u>2016</u>	<u>2018</u>	<u>2020</u>	<u>Change (2018-2020)</u>	<u>Change (2016-2020)</u>
Miles of high comfort bikeways per capita (per 10,000 people) (constructed and programmed)	1.17	1.50	1.72	+0.22	+0.55
Population within ¼ mile of a BCycle station	27,900	100,179	208,897	+108,718	+180,997
Jobs within ¼ mile of a BCycle station	155,600	417,294	439,668	+22,374	+284,068
% of major transit nodes with secured bike parking	0.04	0.04	TBD		
Dedicated city staff (FTE) for bikeway program (COH)	1	5	TBD		
Share of Transportation Budget Spent on Bicycling (New Metric)			TBD		
Total Bicycle Network Mileage to Total Road Network Mileage (New Metric)			TBD		

Key Steps to Silver: Bike Friendly Community Status

Complete and Ongoing

- Adopt a Vision Zero Policy to develop a goal and strategy to eliminate roadway fatalities. Perform comprehensive crash analysis.
- Continue building low-stress bicycling network through **neighborhood bikeways** to buffered and protected bike lanes based on vehicle speed and volume.
- Implement the **Road Safety Audit** recommendations for dangerous intersections in Houston.
- Promote current bicycling amenities better throughout the community through events and community-wide promotions.
- Increase end-of-trip amenities (i.e. better bike racks, showers, lockers, changing rooms, bike stations, repair stands, and parts vending machines).

https://houstonbikeplan.org/wp-content/uploads/2019/05/BFC_Spring_2019_ReportCard_Houston_TX.pdf



Key Steps to Silver: Bike Friendly Community Status

Still Pending

- Expand bicycle safety education to be a routine part of education for students of all ages
 - Ensure that schools and the surrounding neighborhoods are particularly safe and convenient for biking and walking.
 - Work with local bicycle groups and interested parents to create Safe Routes to School programming for all K-12 schools.
- Create a **survey** that measures people riding bikes and their satisfaction with programming and network.
- Houston has established a goal "to exceed average ridership levels in peer cities." Current estimates for the rate of bicycling to work are slightly lower than the national average and significantly lower than the average for the 50 largest cities in the US, which is 1.2%. Meeting Houston's goal will take lots of work and ambitious efforts to improve safety and connectivity.



Discussion: Project Prioritization

1. Connections

- a. Connecting to amenities, destinations, and transit
- b. Connecting more people to existing network
- c. Connecting existing bicycle facilities

2. Location

- a) Districts/neighborhoods with gaps in bicycle facilities
- b) Areas with population of most need (socio-economic status, no vehicle, more bike/ped commuters)

3. Safety

- a) Vision Zero is prioritizing High-Injury Network
- b) Reported or unreported high crash areas



2021 Project Prioritization Proposal

Factor (Weight)		Variables	Data Source
Quantitative Analysis	Safety (10)	In Vision Zero High Injury Network (HIN)	COH GIS
		High bike crash locations	TxDOT CRIS
	Demand (5)	# of Parks, Schools, Libraries, and Community Centers within ¼ Mile	COH GIS
		# of LRT Station, BOOST Bus Stops, Transit Center and P&R Locations within ¼ Mile	COH GIS
		% 0-3 Mile Vehicular Trips	HGAC
	Connectivity (10)	# of Connections to Existing and Programmed High Comfort Bikeways	COH GIS
	Equity (6)	Serves a Low-Moderate Income Census Tract	HUD
		% Households with No Auto	ACS Data
		In a Complete Community	COH GIS

Note: **Implementation feasibility** is also a key element in finalizing the implementation project list, which considers the pavement condition, pavement width, traffic counts and the availability of matching funds or other support from implementation partners.



North Houston Highway Improvement Project and Bike Plan Presentation

Peter Eccles

Planning & Development



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Bikeway Project Updates

Melissa Beeler, AICP
Planning & Development



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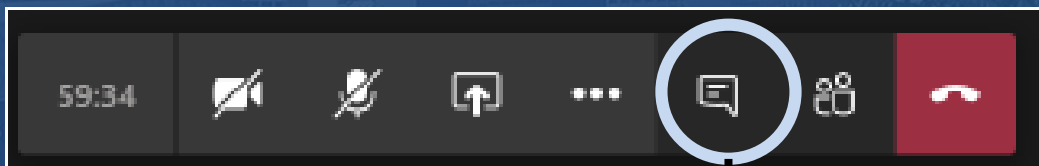
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Next Meetings

Infrastructure Subcommittee

February 24, 2:30-4:30pm, Teams Meeting

Education Subcommittee

March 24, 2:30-4:30pm, Teams Meeting

Bicycle Advisory Committee

April 28, 2:30-4:30pm, Teams Meeting

2021 Schedule: Fourth Wednesday every month

Reappointments and new appointments are still in progress.

