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.

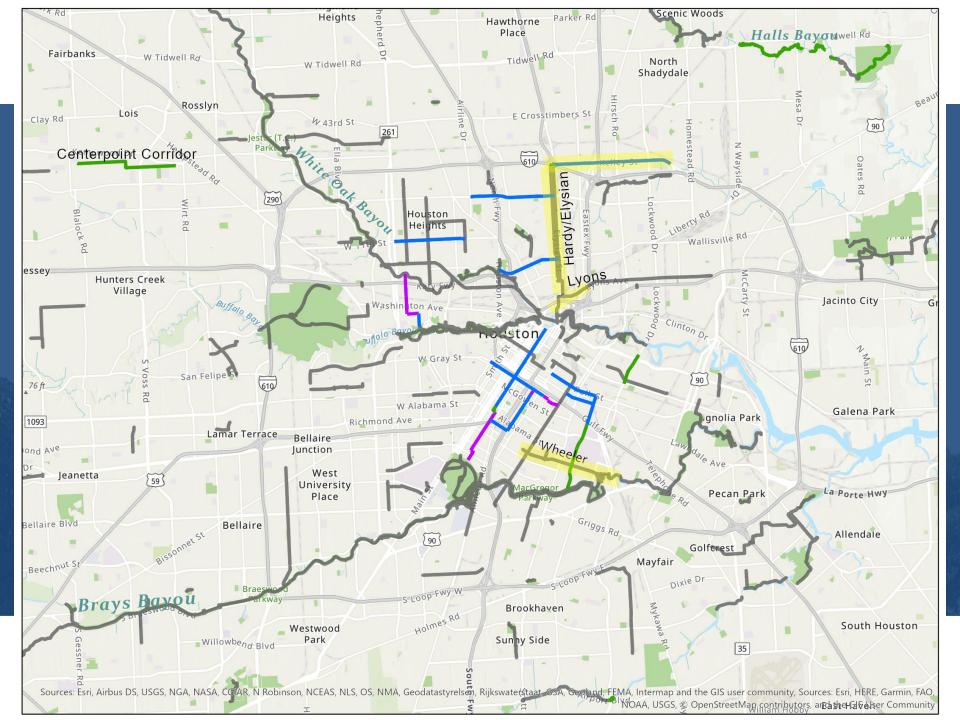
BAC Vision

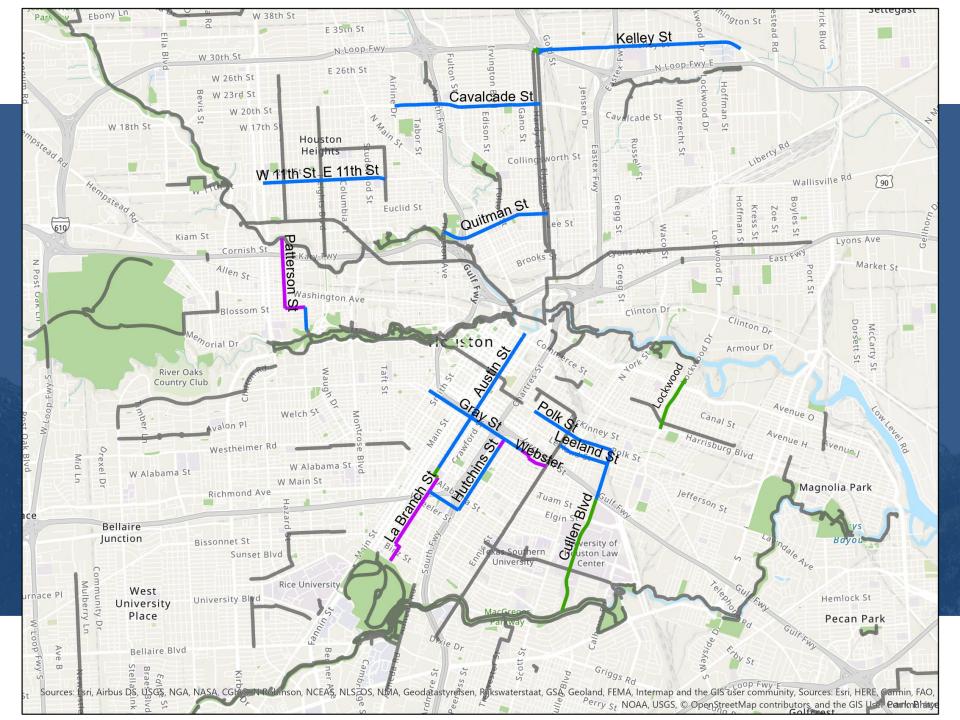
By 2027, the City of Houston will be a Safer, More Accessible, Gold Level Bike-Friendly City











Looking Ahead

- Collaborating with METRO on priority BOOST corridor designs with bikeways
 - McGowen
- Following through on Third Ward priority routes
 - Elgin, Blodgett study phase
- Phasing CIP projects into design and construction
- Moving forward with Southeast Network
 - MLK Blvd.
- Ismaili Center & Dallas Street bikeways (BikeHouston)
- Developing partnerships and building on community conversations





Goals

VISION

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

GOALS



Improve Safety

To provide a safer bicycle network for people of all ages and abilities through improved facilities, education, and enforcement



Increase Access

To create a highly accessible, citywide network of comfortable bike facilities that connects neighborhoods to transit, jobs, and activity centers, including schools, universities, parks, and libraries



Increase Ridership

To exceed average ridership levels in peer cities by implementing policies and programs that enable more people to ride bicycles and encourage healthy, active transportation choices



Develop and Maintain Facilities

To develop and sustain a high-quality bicycle network, including both bikeways and end-of-trip facilities



Challenges

- Funding challenges
- Regulatory changes
 - Political support
- Competing priorities
 - Multimodal approach
- Strong partnerships needed
 - HGAC, Parks Board, TIRZs, Harris County, TxDOT, etc.



Implementation Strategies and Key Recommendations for the Houston Bike Plan

1. Manage Performance Against Goals

- Develop and present an annual Houston Bikeways Program Strategic Report.
- 1.2 Develop approach to capture data to assess performance on a regular basis and develop performance targets.

2. Prioritize and Collaborate on Policies and Programs

- 2.1 Develop agreed-upon roles with city departments including Houston Bikeways Program staff and partners for implementation of policies and programs identified in the Bike Plan.
- 2.2 Develop prioritization approach for tackling policies and programs considering resources, staffing levels, and partnership opportunities.

3. Project Development and Implementation

- 3.1 Develop packages of short-term bikeway projects that can be implemented within existing street rights-ofway and seek funding to implement.
- 3.2 Prepare key connection recommendations as a package of projects detailing benefits and costs. This package should be utilized to recruit funding partners and apply for grants as opportunities become available.





4. Develop Resource and Staffing Needs

- 4.1 Increase Houston Bikeways Program staff in appropriate departments in the City.
- 4.2 Establish the Bicycle Advisory Committee as a regular standing committee that works with City staff to implement the Bike Plan.

5. Leverage Funding Opportunities

- 5.1 Create a spending target with dedicated funds from the City's budget for bikeway projects and programs.
- 5.2 Identify and pursue funding partnerships and support from other local agencies, City departments, and private entities to leverage funds.
- 5.3 Pursue funding for short-term and key connection projects.
- 5.4 Develop bicycle facility maintenance prioritization criteria and incorporate bicycle facility maintenance as part of roadway maintenance activity as possible.

6. Build Momentum Through Pilot Projects

- 6.1 Create conceptual plans for specific bikeway treatments across the city.
- 6.2 Implement and celebrate bikeway projects to build momentum to implement the Plan.

7. Connect to Major Bicycle Thoroughfares (e.g., Bayous and Other Greenways)

- 7.1 Develop specific plans and policies for access to major greenway corridors to ensure safe access to these "bicycle highways" from neighborhoods and activity centers.
- 7.2 Coordinate with adjacent jurisdictions to provide a connected network across city lines.

8. Engage Neighborhoods to Translate Plan to a Local Level

- 8.1 Incorporate and refine the provided approach and tools for neighborhood level planning to connect to citywide bikeway network, in future planning projects.
- 8.2 Identify opportunities to apply specific policies or programs at the neighborhood level to support the growth of safe, healthy opportunities to bicycle.
- 8.3 Continue proactive outreach to neighborhoods and other civic groups on the Bike Plan

Continue to Engage the Public in the Development of Bicycle Facilities.

9.1 Incorporate public engagement on bikeway projects beginning no later than preliminary engineering i.e. the design phase of the project.



Scoring Criteria

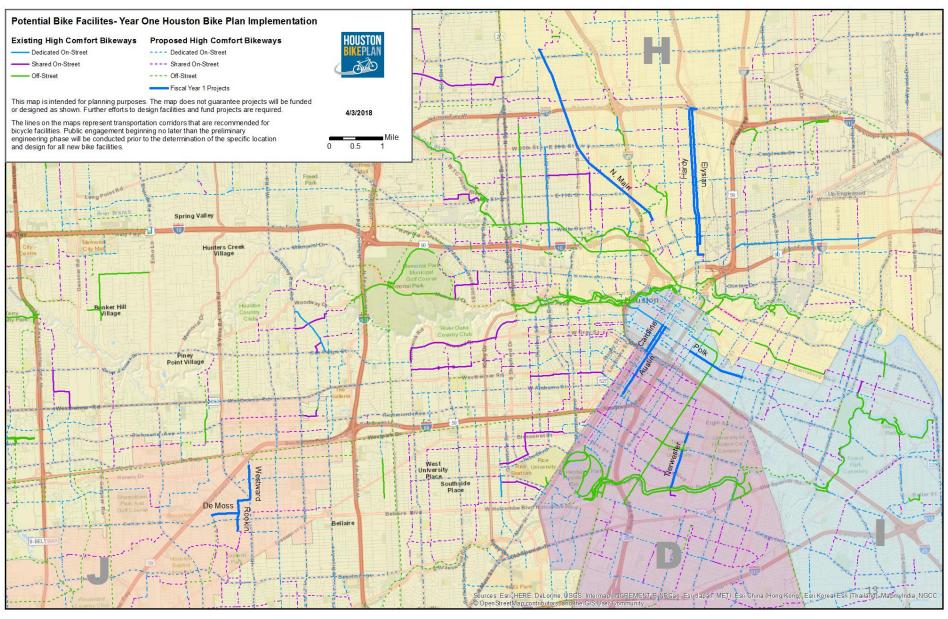
	Factor (Weight)	Variables	Data Source			
	Safety (7)	Bicycle Crash Rate	HGAC			
		Population Density	ACS Data			
	Demand (10)	Employment Density	ACS Data			
		# of Parks, Schools and Community Centers within ¼ Mile	COH GIS			
Quantitative Analysis		# of LRT Station, Transit Center and P&R Locations within ¼ Mile	COH GIS			
		% 0-3 Mile Vehicular Trips	HGAC			
		Connection to Major Activity Center	COH GIS			
	Connectivity (5)	# of Connection to Existing and Programmed High Comfort Bikeways	COH GIS			
	Equity (3)	% Population Younger than 18	ACS Data			
		% Households with No Auto	ACS Data			
		% Households in Poverty	ACS Data			



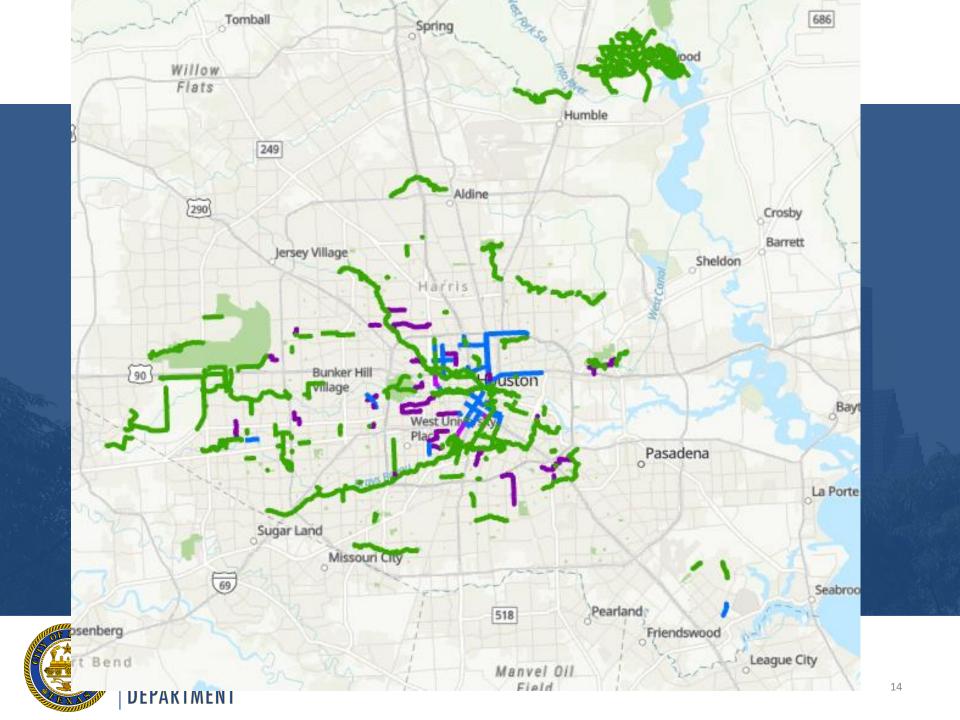
Qualitative Analysis

- Identified needs from existing City and partner projects
 - Complete Communities
- Bike Plan comments
- Potential feasibility
- Potential funding partners





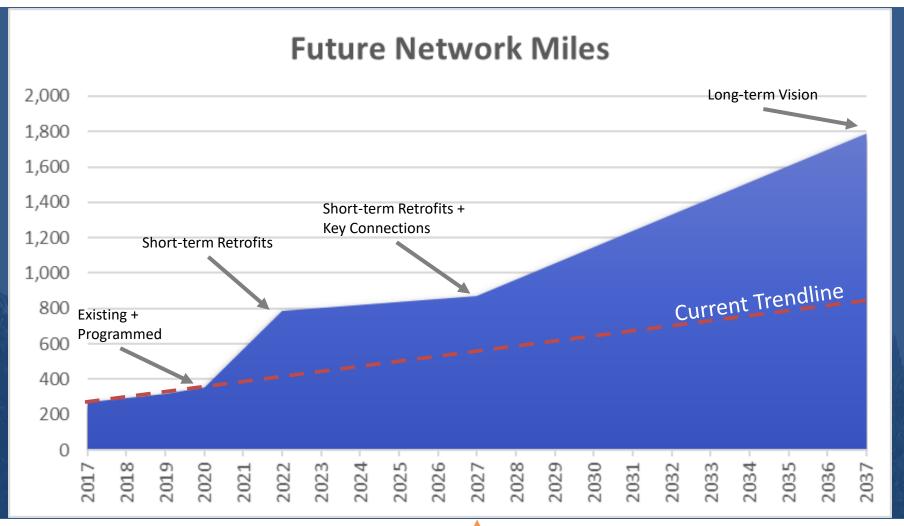




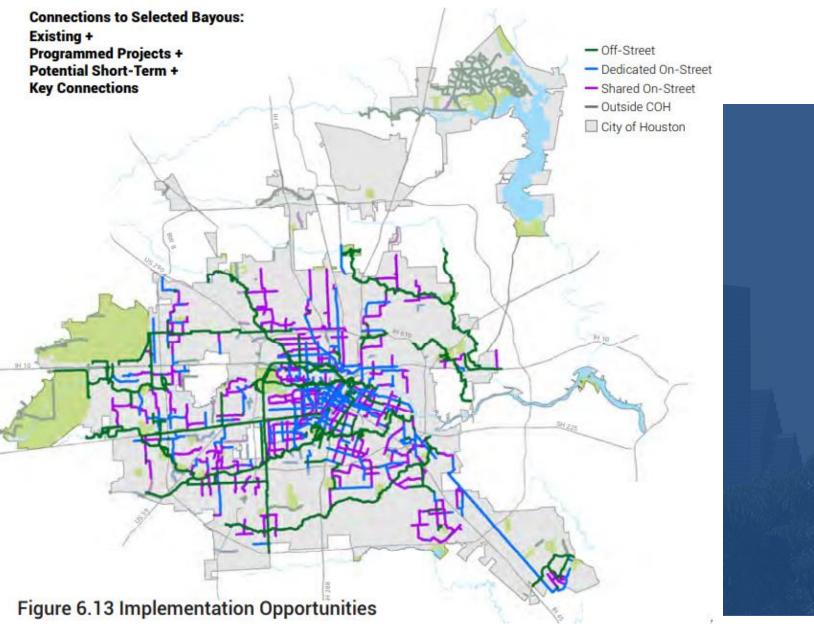
Strategy to Develop a 500 Miles of Bikeway by 2025



Building out the Bike Plan









Implementation Category	Miles of Bikeway				rage Cost per M Low-High Rango (\$Thousands)	Planning Level Cost Range		
	Dedicated in Street ROW	On-Street Shared	Off-Street	Dedicated in Street ROW	On-Street Shared	Off-Street	(\$Millions)	
Existing High-Comfort Bikeway Network	8	30	232		-	-		
Programmed Projects	42	1	91		-	-		
Short Term Potential	138	242	-	\$90-210	\$10-140	n/a	\$27 - \$51	
Key Connections	8	4	75	\$90-210	\$10-140	\$600-1,700	\$73 - \$119	
Full Bikeway Network	620	28	269	n/a** \$10-140		\$600-1,700	\$235 - \$382	
Total Network	816	305	668		\$335 - \$552			

Figure 6.14 Planning Level Cost Summary for Bikeway Network Implementation

- * Cost per mile estimates are based on data from the 2014 H-GAC Regional Bikeway Plan, general planning estimates from comparable projects. Total cost estimates assume a 75%-25% and 25%-75% mix of low and high cost projects to develop range. Cost per mile estimates also include 20% to 40% for contingency, survey, engineering, and project management.
- ** Dedicated in Street R.O.W. bikeways will have a cost as part of the full network build-out but these would be included in the cost of street reconstruction and therefore are not included here.



Infrastructure Strategies from Biennial Report Discussions

- Policies and Processes
 - Create a Bikeway Maintenance Plan (HPW)
 - Update traffic detour plan for safe passage during construction (HPW)
 - Create clear internal process for bikeway inclusion in street reconstruction and repaving; prioritize projects with bikeways in CIP (HPW)
 - Secure bike/ped improvements during development process (PDD)
 - Allow E-bikes on trails (PDD)
- Funding
 - Leverage existing projects and funding
 - Build on TIRZ/MD projects
 - Harris County partnerships
 - Bayou Greenways/Beyond the Bayous
 - Pursue dedicated funding for multimodal mobility initiatives, including build-out of the Bike Plan
 - Submit comprehensive package(s) for next TIP Call for Projects



More funding ideas

- Leverage community partnerships
 - Developers, businesses, hospitals, philanthropy, nonprofits, universities, METRO
- Federal grant programs
- Parking Benefit Districts



Figure 6.16 Federal Funding Sources and Eligible Bicycle Project Activities

Eligible Activity		TIGER	FTA	CMAQ	HSIP	NHPP	STBGP	TAP	405	RTP	SRTS	402
	Access enhancements to public transportation	X	x	X			X	X				
	Bicycle lanes on road	0	X	X	X	X	Х	Х		•	X	
	Bicycle parking	0	Х	Х		Х	X	Х		X	Х	
Φ	Bike share	X	X	X		X	X	X				
Тур	Bicycle storage or service centers	0	Х	Х			X	Х				
,>	Crosswalks (new or retrofit)	X	Х	0	Х	X	X	Х		X	Х	
\vdash	Data collection and monitoring	0	X			X	X	X		X	X	
+	Helmet promotion						X	*			Х	Х
Project	Landscaping, streetscaping (bicycle route; transit access)	0	х				х	Х				
.0	Lighting (pedestrian and bicyclist scale associated with bike project)	X	x		х	Х	х	Х		Х	х	
ட	Maps		Х	X			X	X			X	
را)	Paved shoulders	X		0	X	X	X	X			X	
$\frac{\omega}{\omega}$	Police patrols/ Enforcement Campaign						*	*	X		X	X
0	Safety brochures, books						*	*	X		X	X
Bicycle	Separated bicycle lanes	X	X	X	X	X	X	Х			X	
. <u> </u>	Shared use paths	X	X	0	X	X	X	X		X	X	
\Box	Signs/signals/signal improvements	X	X	X		X	X	X			X	
	Signed bicycle routes	X	X	X		X	X	X			X	
	Spot improvement program	X	X		X		X	X		X	X	
	Traffic calming	X	X		X	X	X	X			X	
	Training			X			X	X	X	X	X	X
X = eligible o = eligible, only competitive as part of a larger project * = only eligible under srts program												

TIGER: Transportation Investment Generating Economic Recovery

FTA: Federal Transit Administration Capital Funding (includes Section 5307 and 5339 programs) TAP: Transportation Alternatives Program (set-aside of STBGP)

CMAQ: Congestion Mitigation & Air Quality Improvement Program

HSIP: Highway Safety Improvement Program NHPP: National Highway Performance Program STBGP: Surface Transportation Block Grant Program

Section 405 National Priority Safety Programs

RTP: Recreational Trails Program (set-aside of STBGP)

SRTS: Safe Routes to School Program (set-aside of STBGP) 402: State & Community Highway Safety Grant Program

Next Meetings & Announcements

Education Subcommittee

March 25, 2:30-4:30pm, 611 Walker, 6th Floor

Bicycle Advisory Committee

April 22, 2:30-4:30pm, City Hall Annex Council Chambers

Infrastructure Subcommittee

May 27 TBD

