City of Houston
Bicycle Advisory Committee
Education Subcommittee

John B. Raia Conference Room
611 Walker 6th Floor, Houston, Texas 77002

Thursday, September 26, 2019
2:30-4:30pm

Agenda

Discussion will take place on the following items:

1. Chair's Report
2. Bikeway Education and Outreach
3. Bike Plan Biennial Report Data
4. Houston Bike Share E-Bike Pilot Report
5. Mobility Workshop Planning and Update on Bike Share's Submission to Alta Planning + Design Grant
6. Announcements
7. Public Comment

The public is invited to speak for up to two (2) minutes each either at the beginning of the meeting or at the end. The public is also encouraged to submit written comments to bac@houstontx.gov. Updates and committee notes will be available

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

PLANNING & DEVELOPMENT DEPARTMENT

September 26, 2019 2:30-4:30pm
611 Walker 6th Floor

Agenda

- Chair's Report
- Bikeway Education and Outreach
- Presentation on Houston Bike Plan Biennial Report
- Houston Bike Share E-Bike Pilot Report
- Mobility Workshop Planning and Update on Bike Share's Submission to Alta Planning + Design Grant
- Announcements
- Public Comment

Houston Bike Plan Biennial Report

Melissa Beeler

Planning & Development Department

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Purpose & Scope

Purpose: To support and assess performance of Plan implementation

The Plan recommends the report include the following:

- Alignment with Plan Houston goals and approach for implementation
- Highlight progress made on implementation
- Determine relative performance against the previous two years
- Assess trends in relative performance to the vision of Houston as a BFC
- Map exhibits publicly available online
- Develop updates to the strategic plan depending on what is needed and changing context, priorities and available resources
- Determine if new metrics may be more relevant, adjust current metrics if not aligned with overall goals **(BAC has a key role to play here)**
- Identify priority opportunities to continue to improve

Bike Plan 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

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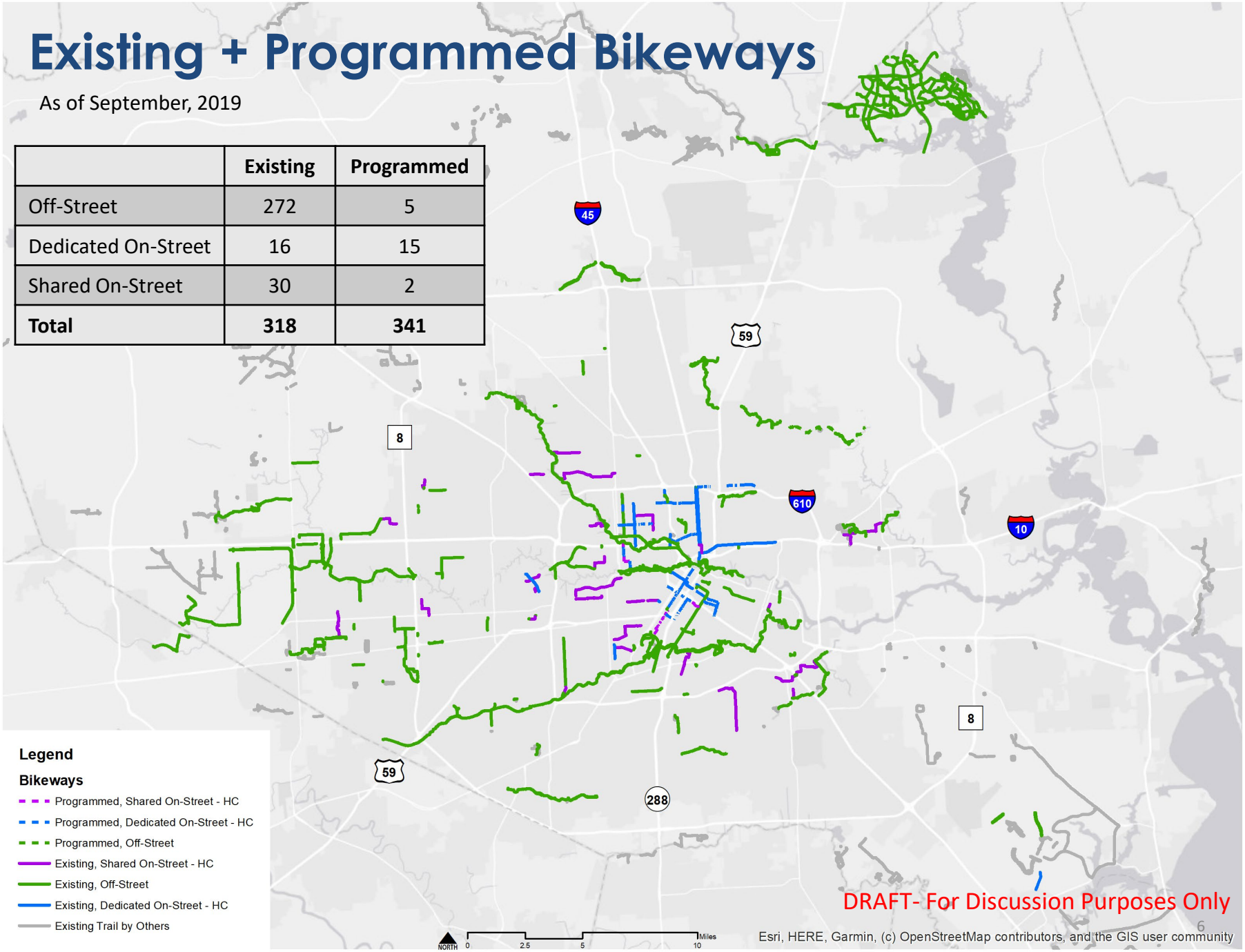
Existing + Programmed Bikeways

As of September, 2019

	Existing	Programmed
Off-Street	272	5
Dedicated On-Street	16	15
Shared On-Street	30	2
Total	**318**	**341**



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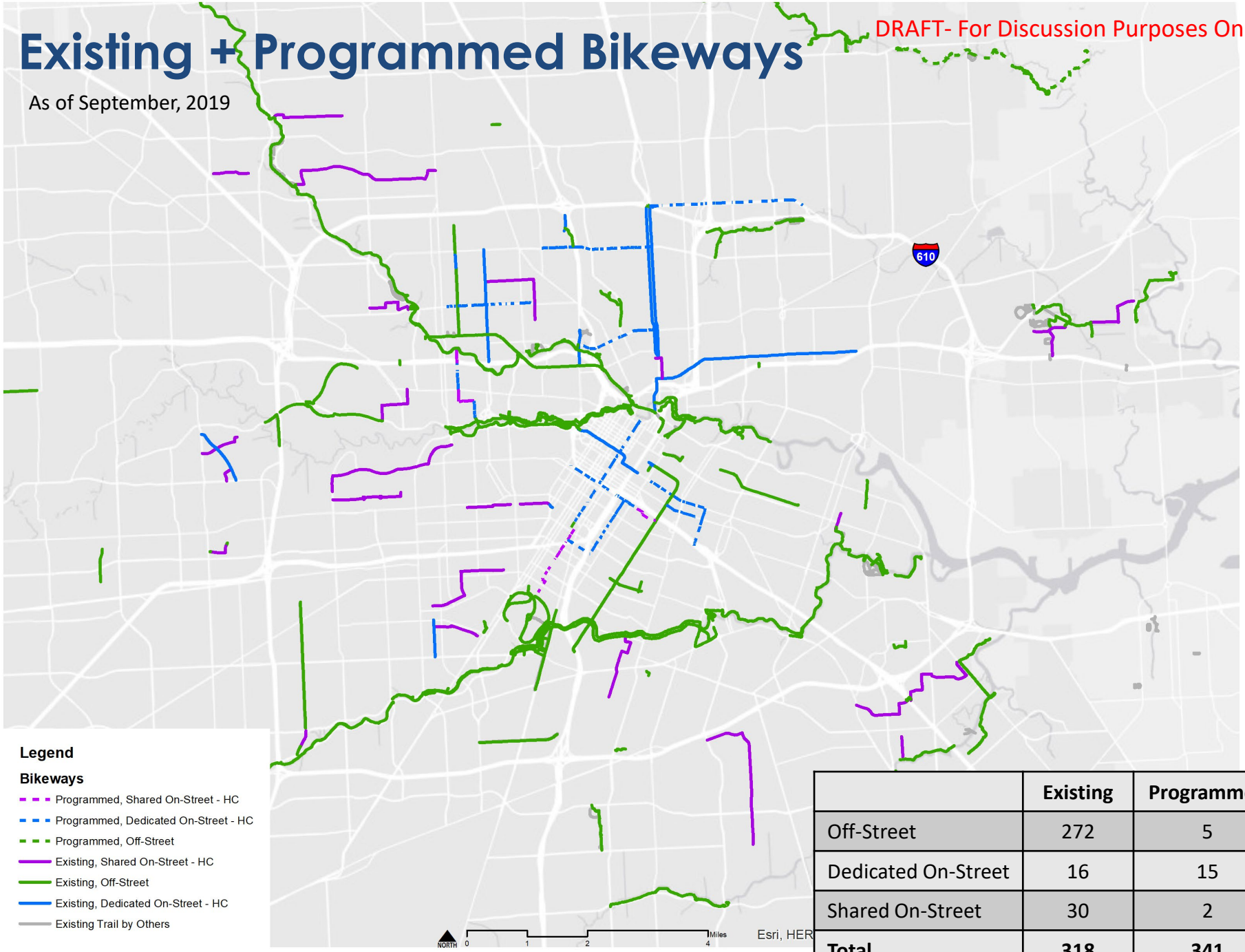

	Existing	Programmed
Off-Street	272	5
Dedicated On-Street	16	15
Shared On-Street	30	2
Total	**318**	**341**

Change in Network Miles 2017-2019

Type	2017 Miles	2019 Miles	% Change	2019 Existing + Programmed	% Change
Dedicated On-Street - HC	8	16	98%	31	291%
Off-Street	232	272	17%	278	20%
Shared On-Street - HC	30	30	0%	33	8%
Grand Total	270	318	18%	341	26%

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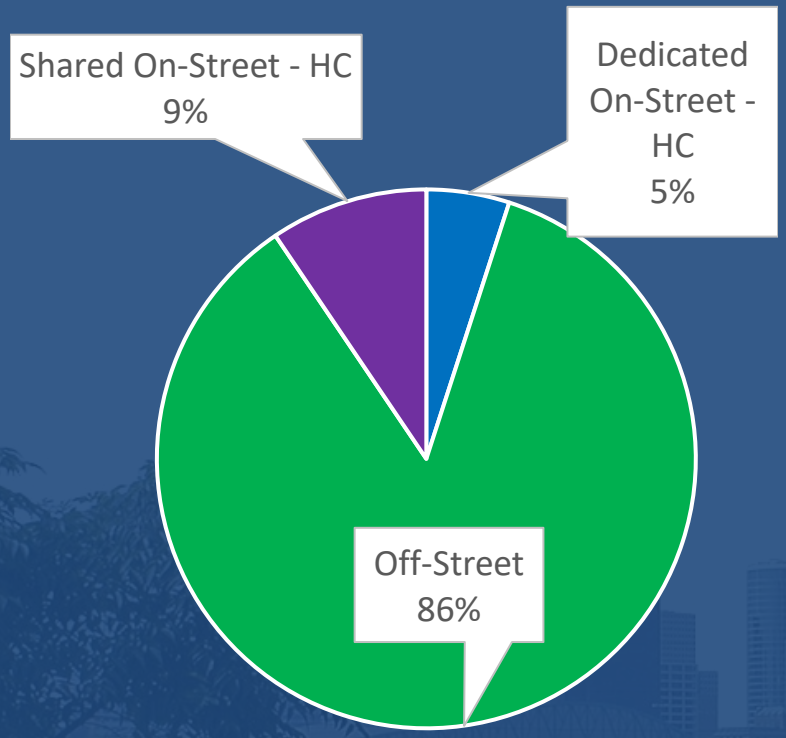
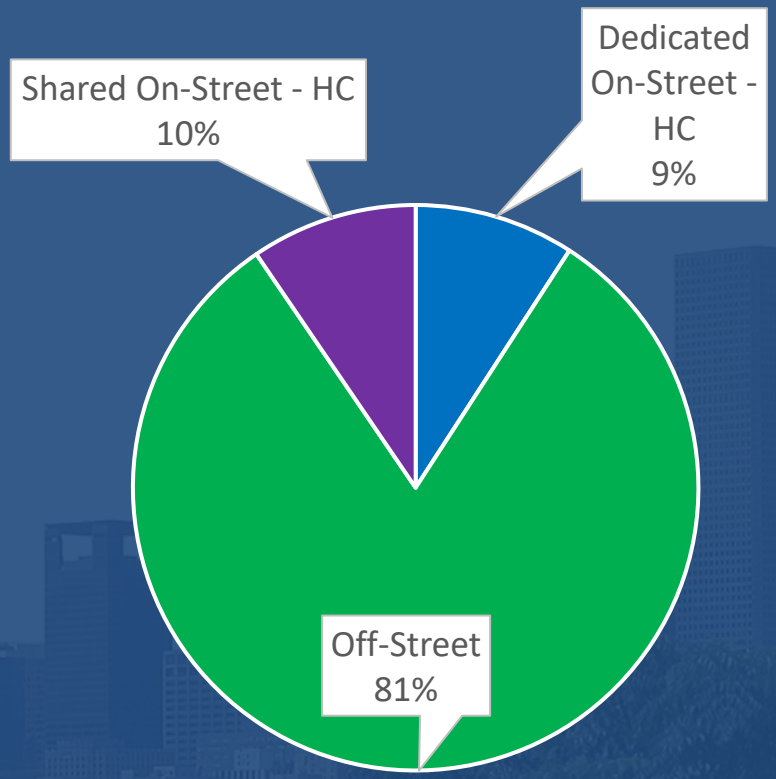
2019 Progress





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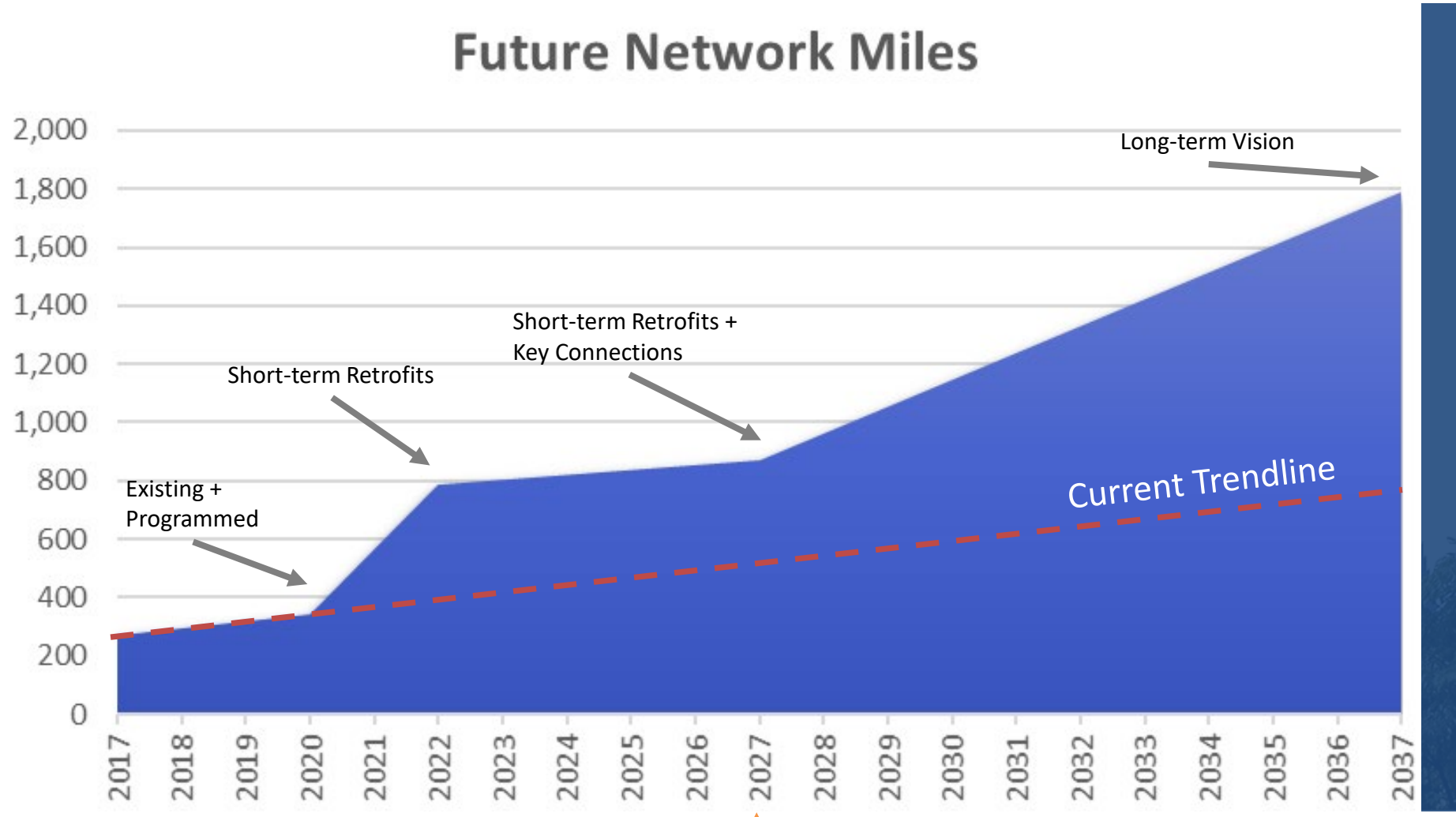
Building out the Bike Plan



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Goals Performance Metrics: Improve Safety

Performance Metrics	2016 (BP)	2018	Trend	Data Source
# of bicycle related crashes reported	361	485		HPD
# of bicycle fatalities per 10,000 commuters	7.4	11.5		HPD/Census
Disparity in bicycle mode share versus fatalities	3.8	TBD	TBD	HPD/Census
# of people who complete an approved bicycle education program (Learn to Ride, LCI classes)	TBD	TBD	TBD	BH/Bike League
# of "Bicycle Friendly Businesses" and Universities	4	8, plus 1 university		Bike League

Goals Performance Metrics: Increase Access

Performance Metrics	2016 (BP)	2018	Trend	Data Source
% jobs within ½ mile of a high-comfort bike facility	46%	71%	↗	COH/LEHD 2017
% population within ½ mile of a high-comfort bike facility				
1. Overall population	38%	51%	↗	Census 2010
2. Minority population	32%	46%	↗	Census 2010
3. Low-income population (map)	32%	42%	↗	Census

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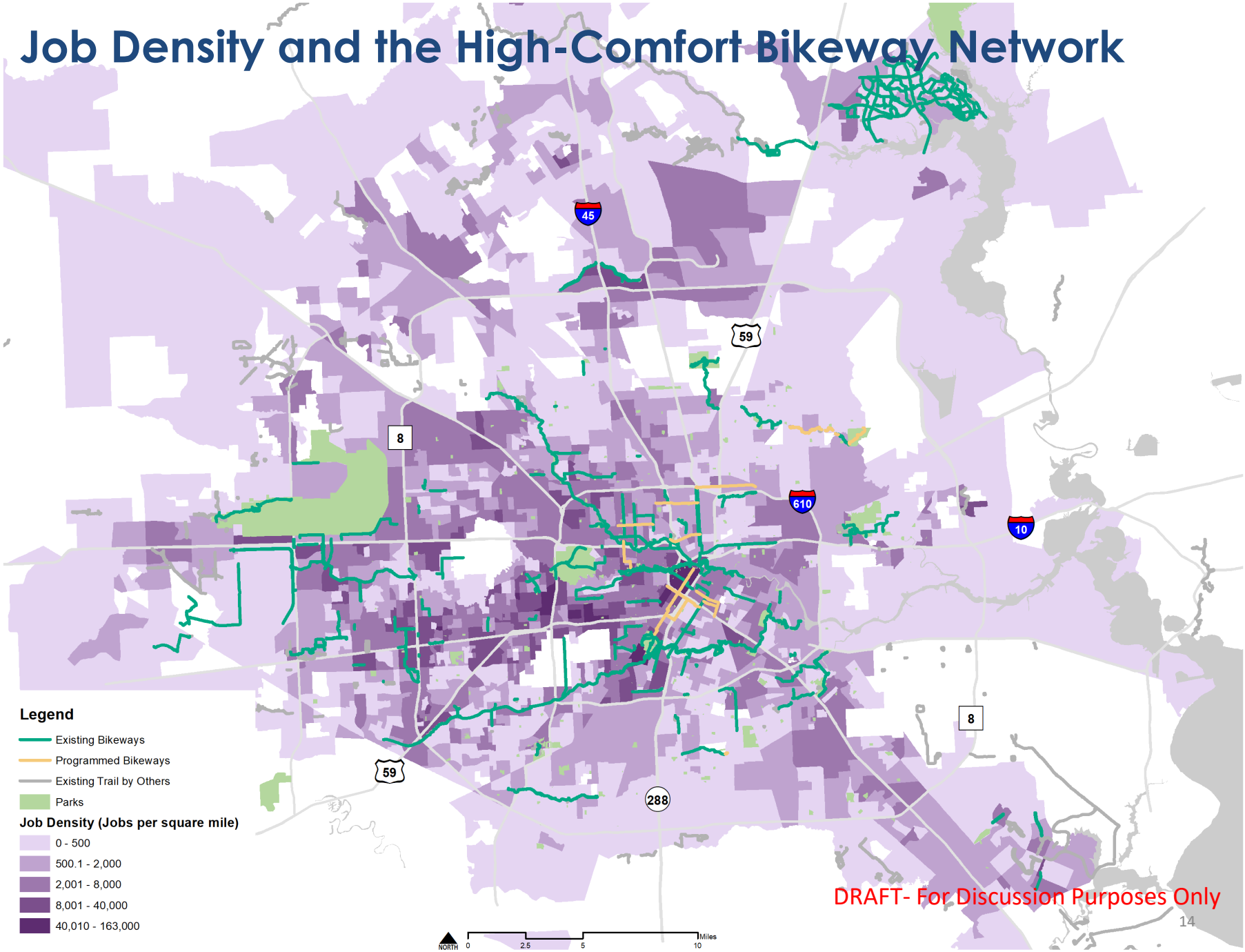
Job Density and the High-Comfort Bikeway Network



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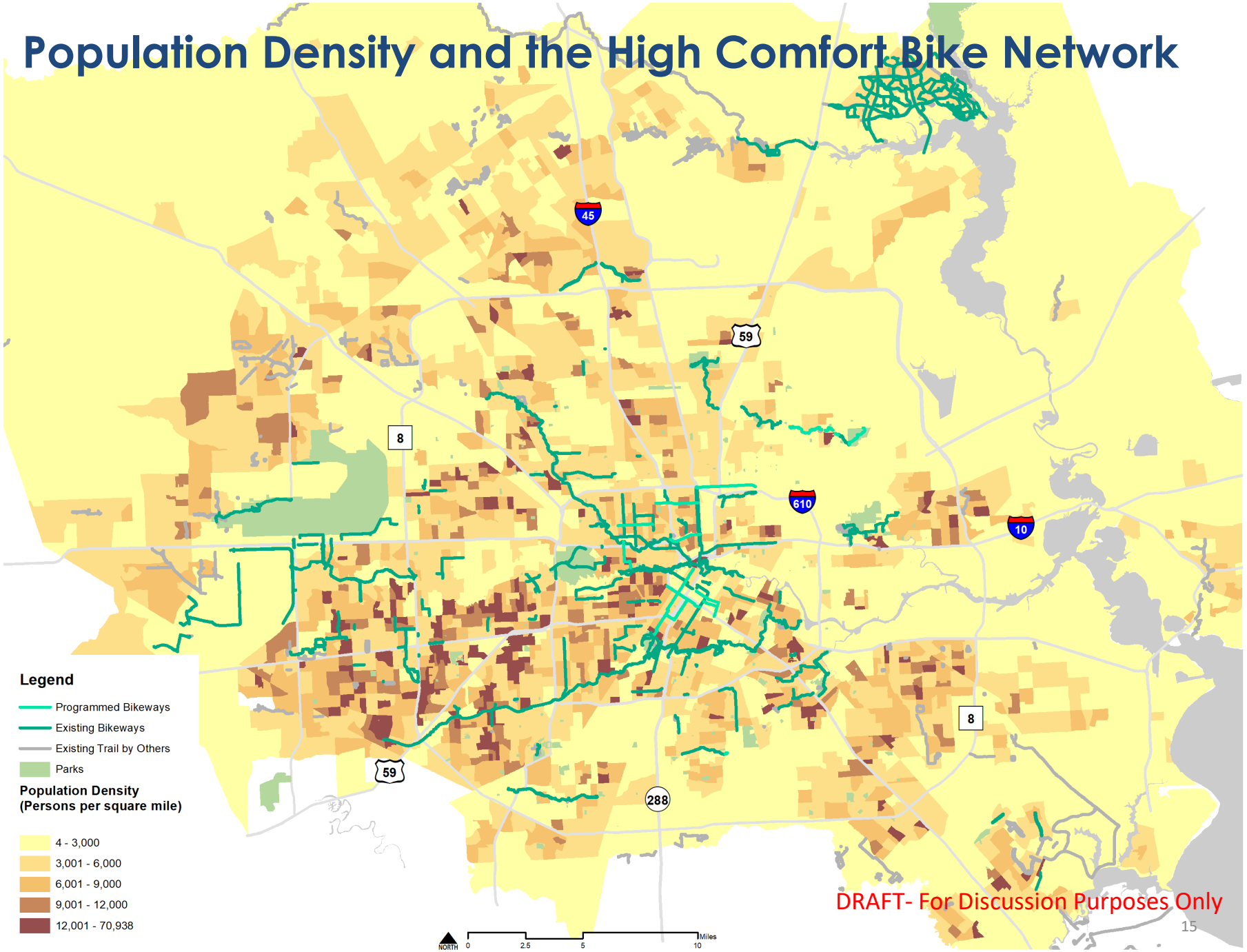
Population Density and the High Comfort Bike Network



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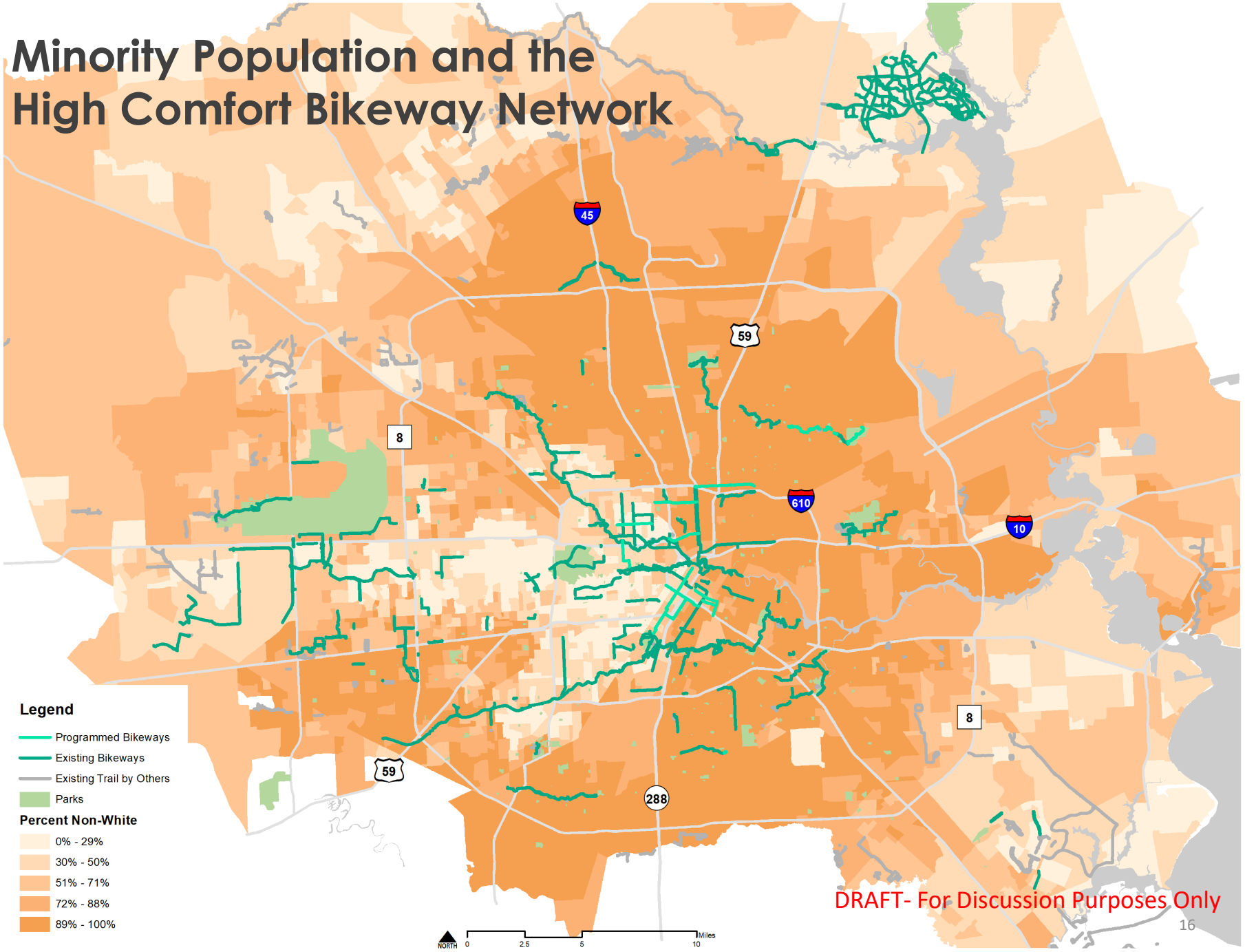
Minority Population and the High Comfort Bikeway Network



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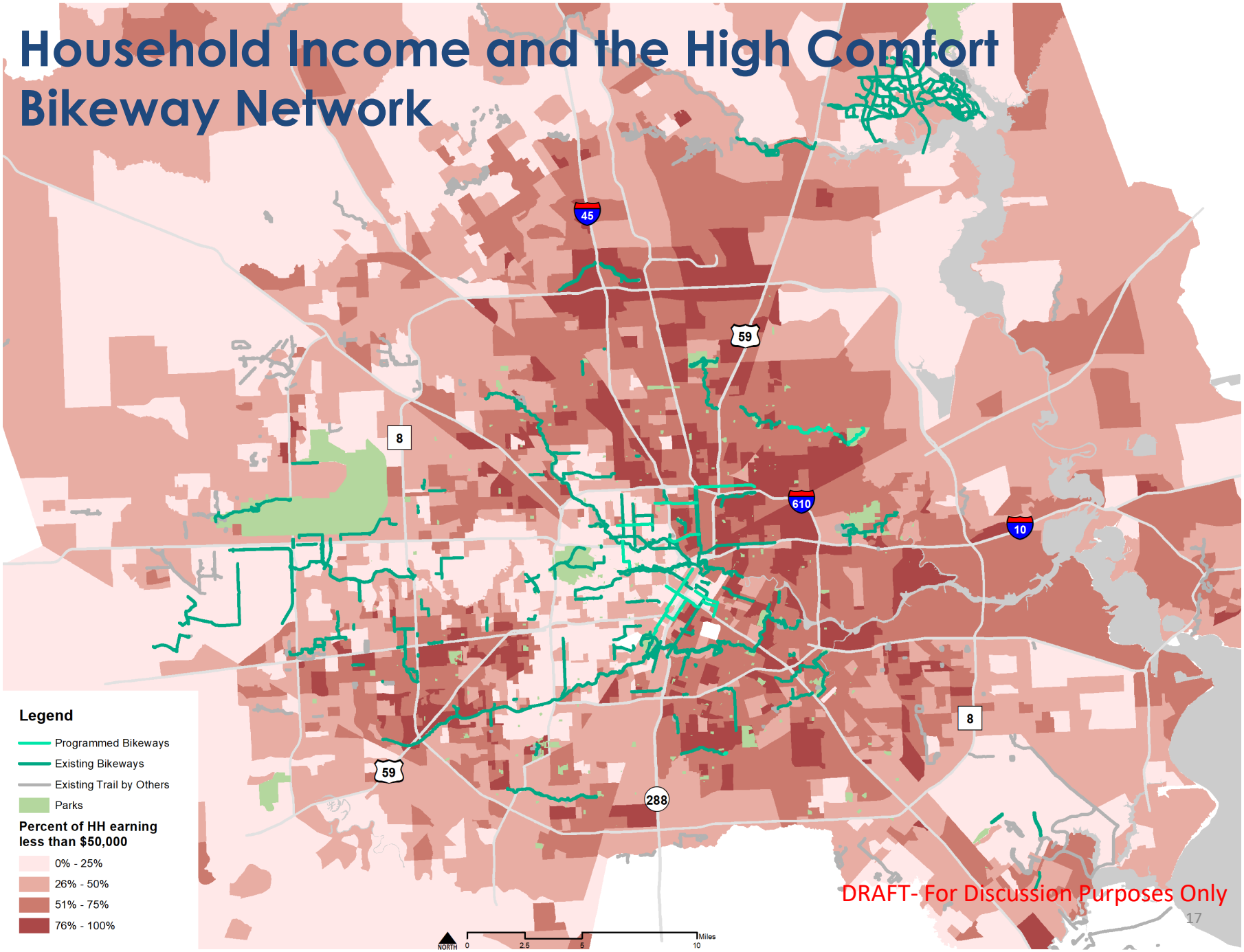
Household Income and the High Comfort Bikeway Network



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Goals Performance Metrics: Increase Access

Performance Metrics	2016 (BP)	2018	Trend	Data Source
% of facilities within ¼ mile of a high-comfort bike facility: (map)				
1. Transit nodes (transit centers, Park & Rides, and light rail stations)	37%	51%		METRO/Bike Shapefile
2. Schools and libraries	23%	28%		COH
3. Community and multi-service centers	33%	39%		COH
% population with comfortable access to greenways system (bayous and other trails)	21%	42%		Houston Parks Board/COH

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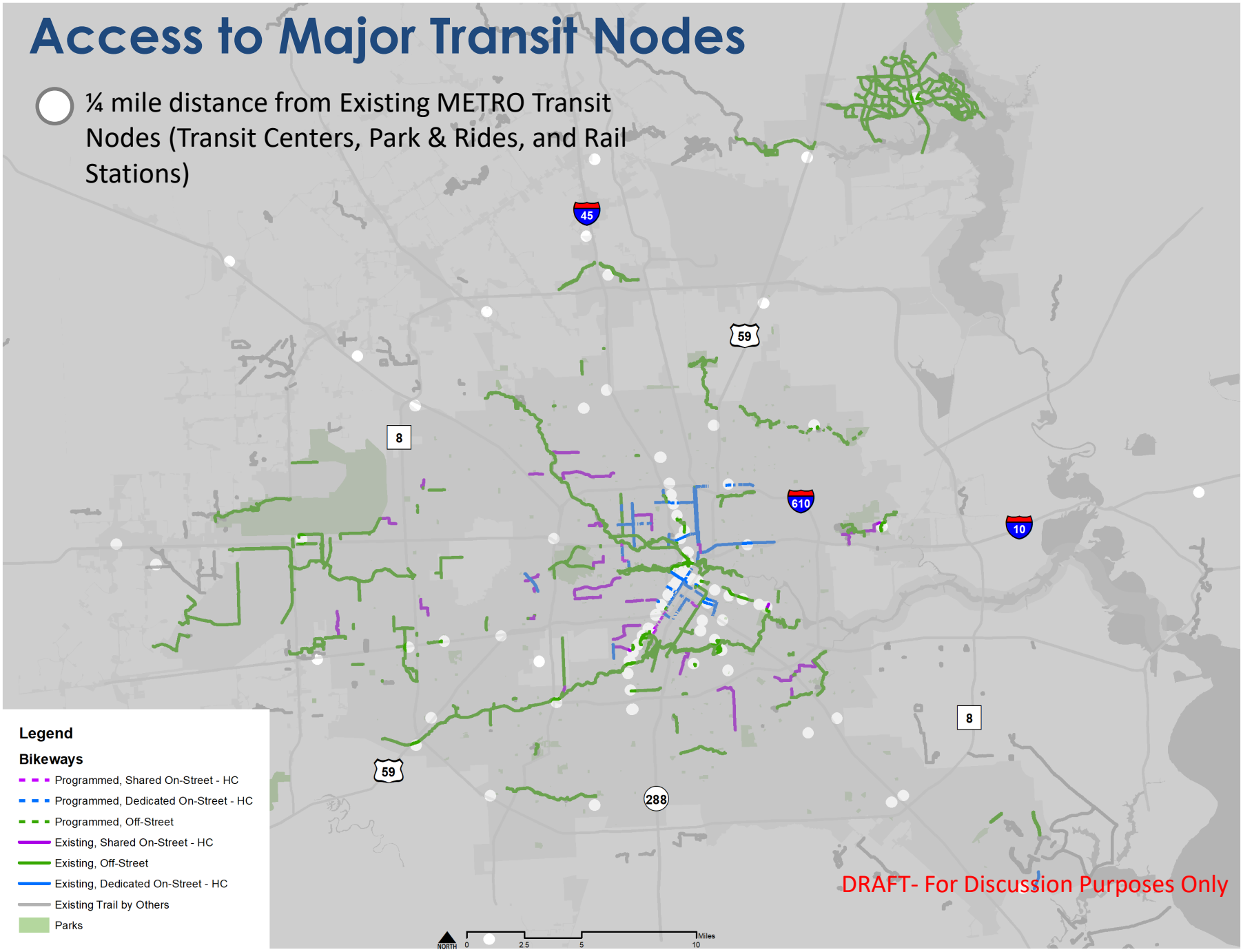
Access to Major Transit Nodes

- ¼ mile distance from Existing METRO Transit Nodes (Transit Centers, Park & Rides, and Rail Stations)



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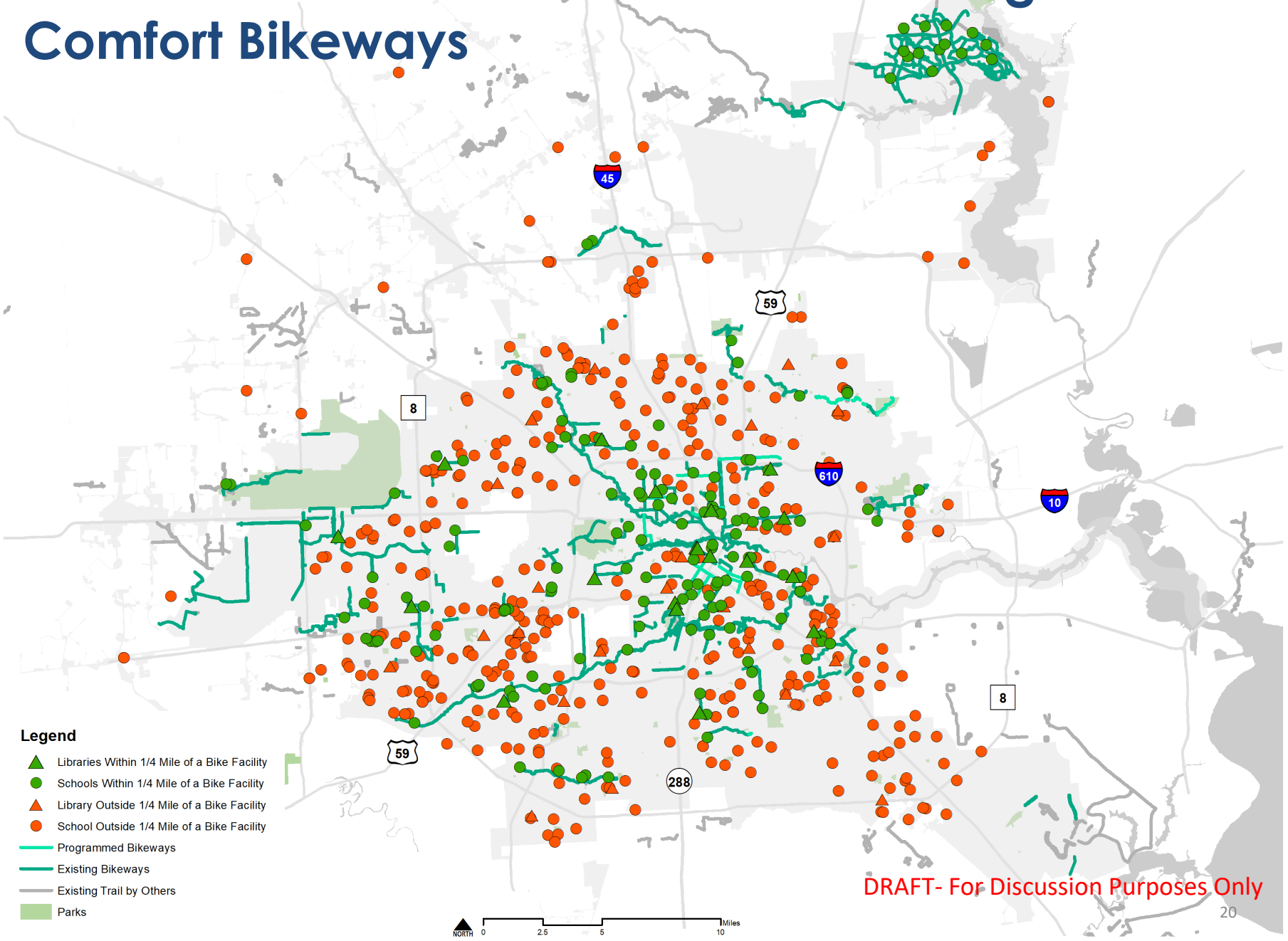
Libraries and Schools Within ¼ Mile of High-Comfort Bikeways



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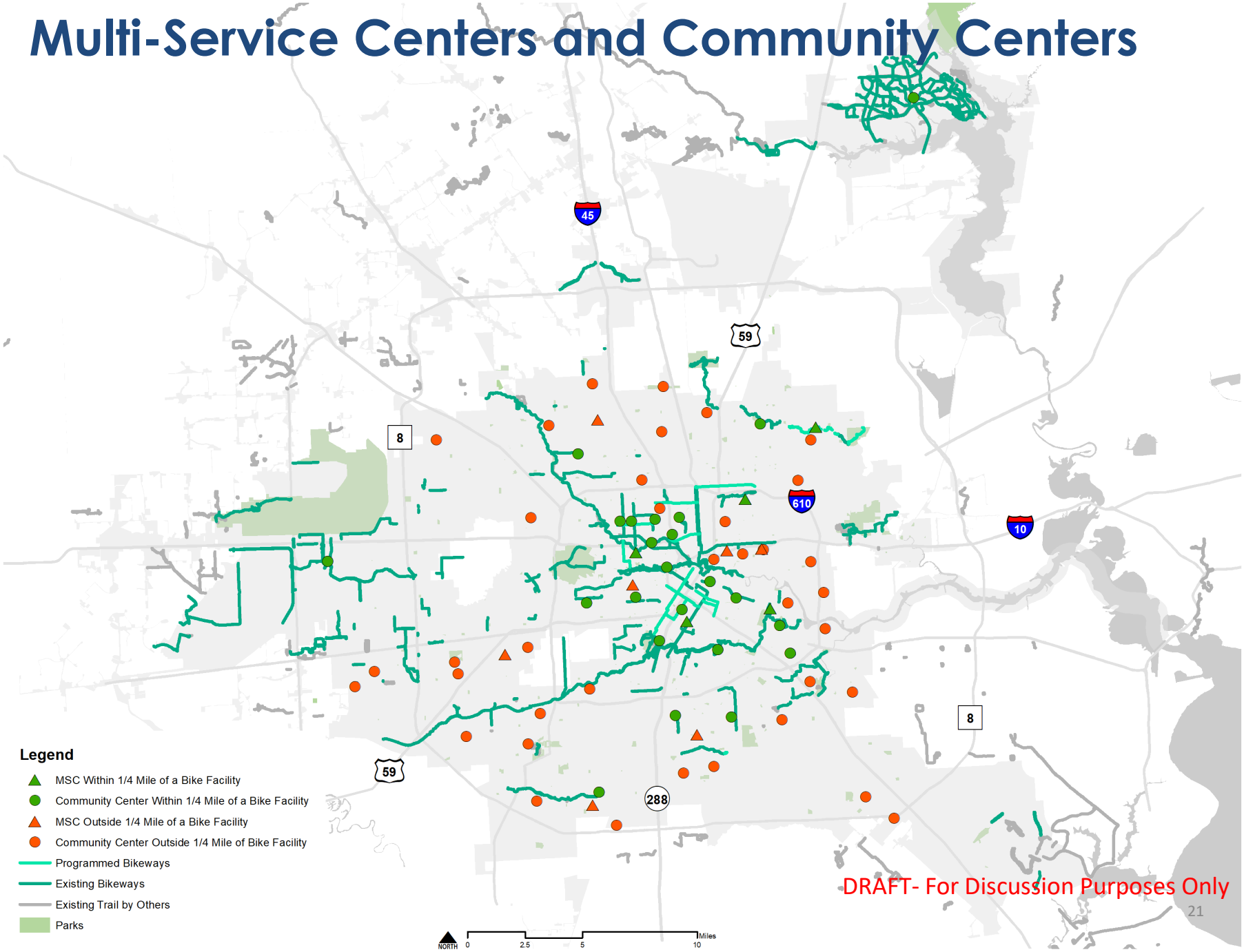
Multi-Service Centers and Community Centers



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Goals Performance Metrics: Increase Ridership

Performance Metrics	2016 (BP)	2018	Trend	Source
Commute mode share	0.54%	0.53%	→	ensus
# of permanent count stations	2	4	↑	-GAC
% growth in bicyclists observed through permanent count stations	TBD	TBD	TBD	H-GAC
# of bike boardings on Metro per year	258,094	279,338	↑	METRO
# of bike share checkouts per year	98,449	165,585	↑	B-Cycle
Annual City events that support increased ridership (e.g., Bike to Work Day, Sunday Streets, Tour de Houston, Bicycle Advisory Committee meetings)	11	TBD	↑	OH/all

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Goals Performance Metrics: Develop and Maintain Facilities

Performance Metrics	2016 (BP)	2018	Trend	Data Source
Miles of high comfort bikeways per capita (per 10,000 people) (constructed and programmed)	1.17	1.50		COH/Census
~~% of bikeways in good or better condition~~	~~TBD~~	~~TBD~~		~~---~~
Population within ¼ mile of a bike share station	27,900	100,179		COH/B-Cycle
Jobs within ¼ mile of a bike share station	155,600	417,294		COH/B-Cycle
% of major transit nodes with secured bike parking	4%	~4%		METRO
Dedicated city staff (FTE) for bikeway program	1	5		COH
% of bikeways that are high comfort	55%	60%		COH

Key Takeaways

- Bicycle-related crashes and fatalities are increasing.
- Commute share (ridership) is stagnate.
- Need concentrated effort to increase school access to HC bikeways

Preliminary Ideas for Next Two Years

- Education
  - Begin bike safety education as a routine part of education in schools
  - Create Safe Routes to School programming for all K-12 schools
- Enforcement
  - Pass a no parking in bike lane ordinance
- Evaluation
  - Perform a comprehensive crash analysis to assist in guiding future bike/ped improvements to improve safety
  - Survey people's satisfaction with the network and programming (level of comfort evaluation)
  - Perform regular and robust counts on high-comfort bike facilities (on-street)
- Engineering
  - Continue building out high-comfort, AAA bikeway network
  - Establish milestone and goals for number of miles of bikeway network through 2027
  - Pursue dedicated funding to increase bikeway infrastructure
  - Pursue opportunities for bike and ped improvements in new development