City of Houston
Bicycle Advisory Committee
Infrastructure Subcommittee

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

February 28, 2019
2:30-4:30pm

Agenda

1. Director's Report
2. Chair's Report
3. Staff Update on Bikeway Implementation
4. Discussion of No Parking in the Bike Lane Ordinance
5. Discussion of Houston Bike Plan Biennial Report
6. Discussion of Draft Vision Zero Resolution
7. Announcements
8. Public Comment

The public is invited to speak for up to two (2) minutes each. The public is also encouraged to submit written comments to bac@houstontx.gov. Updates and committee notes will be available

Bike Plan Biennial Report

Draft Outline and 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

Report Outline

1. Introduction
    a. Establish purpose of the report
    b. Recap vision, goals of Houston Bike Plan
    c. Articulate alignment with Plan Houston goals and approach for implementation
    d. Describe report structure
2. Progress 2016-2018 (highlight progress)
    a. Miles of bikeways (compared to 2016) (map)
        i. Shared lane markings
        ii. Wide paved shoulders
        iii. Bike boulevards
        iv. Conventional, buffered and protected bike lanes
        v. Raised cycle tracks
        vi. off-street paths/trails
    b. Funding (Dollars spent on cycle infrastructure)
    c. Progress on projects, policies and programs
        i. Area Plans
        ii. Bike Rack Program
        iii. New laws, ordinances
        iv. Enforcement of existing laws that protect cyclists
        v. Public education/outreach programs
3. Goals Performance Analysis (see matrix)
    a. Improve Safety
        i. # of bicycle related crashes reported
        ii. # of bicycle fatalities per 10,000 commuters
        iii. Disparity in bicycle mode share versus fatalities
        iv. # of people who complete an approved bicycle education program (Learn to Ride, LCI classes)
        v. # of “Bicycle Friendly Businesses” and Universities
    b. Increase Access
        i. % jobs within ½ mile of a high-comfort bike facility (map)
        ii. % population within ½ mile of a high-comfort bike facility
            1. Overall population (map)
            2. Minority population (map)
            3. Low-income population (map)
        iii. % of facilities within ¼ mile of a high-comfort bike facility: (map)
            1. Transit nodes (transit centers, Park & Rides, and light rail stations)
            2. Schools and libraries
            3. Community and multi-service centers

iv. % population with comfortable access to greenways system (bayous and other trails)

c. Increase Ridership
    i. Commute mode share
    ii. # of permanent count stations
    iii. % growth in bicyclists observed through permanent count stations
    iv. # of bike boardings on Metro per year
    v. # of bike share checkouts per year,
    vi. # of bike share stations
    vii. Annual City events that support increased ridership (e.g., Sunday Streets, Tour de Houston, Bicycle Advisory Committee meetings)
d. Develop and Maintain Facilities
    i. Miles of high comfort bikeways per capita (per 10,000 people) (constructed and programmed)
    ii. % of bikeways in good or better condition
    iii. Population within ¼ mile of a bike share station
    iv. Jobs within ¼ mile of a bike share station
    v. % of major transit nodes with secured bike parking
    vi. Dedicated city staff (FTE) for bikeway program

4. Recommendations

Bike Project Implementation Status, Updated February 28, 2019

Prepared for the Bicycle Advisory Committee
Infrastructure Subcommittee
City of Houston Planning Development Department

Corridors	Mileage	Public Engagement			Design			Construction
		Concept	Design	Pre-Construction	50%	90%	100%	Construction
Near Northside								
Lyons	0.7							
Hardy/Elysian	4.8							
Downtown Connector	1.2							
Kelley	2.5							
Total Mileage	9.1							
Third Ward								
Austin Corridor	3.3							
Gray	1.1							
Polk	1.1							
Cullen	0.2							
Hutchins	1.1							
Cleburne	1.1							
Total Mileage	7.8							
CIP Funding								
Acres Home	13.5							
Patterson	1.4							
11th	2.2							
N Main	1.6							
Quitman	0.6							
Total Mileage	19.3							
Future Precinct 1								
Southeast/MLK	5.2							
Fifth Ward	TBD							

= Complete = In Progress

Figure 6.5 Goals and Performance Metrics

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

Goal Area	BFA Rating Areas: Enforcement	Education	Engineering	Evaluation	Encouragement	Key Outcomes	Performance Metrics	Current Performance	Performance Trend (+ - or neutral)	Data Source
Improve Safety						✓	# of bicycle related crashes reported	361	-	H-GAC
						✓	# of bicycle fatalities per 10,000 commuters	7.4	+	H-GAC, US Census
				✓			Disparity in bicycle mode share versus fatalities	3.8	+	H-GAC, US Census
		✓					# of people who complete an approved bicycle education program	TBD	N/A	TBD
					✓		# of "Bicycle Friendly Businesses"	4	Neutral	League of American Bicyclists
Increase Access			✓				% jobs within ½ mile of a high-comfort bike facility	46%	+	US Census
			✓				% population within ½ mile of a high-comfort bike facility			
							• Overall population	38%	+	US Census
							• Minority population	32%	+	US Census
							• Low income population	32%	+	US Census
			✓				% of facilities within ¼ mile of a high-comfort bike facility:			
							• Transit nodes (transit centers, Park & Rides, and light rail stations)	37%	+	METRO/City of Houston
							• Schools and libraries	23%	+	City of Houston
							• Community and multi-service centers	33%	+	City of Houston
			✓		✓		% population with comfortable access to greenways system (bayous and other trails)	21%	+	US Census
Increase Ridership						✓	Commute mode share	0.5%	-	US Census
				✓			# of permanent count stations	2	Neutral	H-GAC
				✓		✓	% growth in bicyclists observed through permanent count stations	TBD	N/A	H-GAC
				✓			# of bike boardings on Metro per year	258,094	+	METRO
				✓			# of bike share checkouts per year	98,449	+	Houston Bike Share
					✓		Annual City events that support increased ridership (e.g., Sunday Streets, Tour de Houston, Bicycle Advisory Committee meetings)	11	Neutral	City of Houston
Develop and Maintain Facilities			✓				Miles of high comfort bikeways per capita (per 10,000 people)	1.17	+	City of Houston/Census
			✓				% of bikeways in good or better condition	TBD	N/A	City of Houston
					✓		Population within ¼ mile of a bike share station	27,900	+	Houston Bike Share
					✓		Jobs within ¼ mile of a bike share station	155,600	+	Houston Bike Share
			✓				% of major transit nodes[1] with secured bike parking	4%	Neutral	METRO
				✓			Dedicated city staff (FTE) for bikeway program	1	Neutral	City of Houston

[1] Major Transit Nodes include Rail Stations, Transit Centers, and Park & Ride Facilities

Figure 6.6 Performance Metric Data Details

Performance Metric	*Data Details*
# of bicycle related crashes reported	3 year average 2012-2014 data from H-GAC (crash data)
# of bicycle fatalities per 10,000 commuters	3 year average 2012-2014 data from H-GAC (fatality data) and American Community Survey (ACS) (commuting data)
Disparity in bicycle mode share versus fatalities	3 year average 2012-2014 of the bicycle fatality rate for all roadway fatalities divided by the same 3 year average of the bicycle commute mode share
# of people who complete an approved bicycle education program	TBD
# of "Bicycle Friendly Businesses"	As of December 2015
% jobs within ½ mile of a high-comfort bike facility	2011 LEHD (Longitudinal Employer-Household Dynamics from US Census)
% population within ½ mile of a high-comfort bike facility (overall, minority, and low income)	2010 US Census block level population
Within ¼ mile of a high-comfort bike facility (transit nodes, schools & libraries, and community & multi-service centers)	2014 facility locations from METRO and City of Houston Reporting
% population with comfortable access to greenways system (bayous and other trails)	Comfortable access is defined as within ½ mile of an off-street trail of at least a mile or a high-comfort connection to such a trail
Commute mode share	ACS data – 3 year average (2012-2014)
# of permanent count stations	H-GAC is only entity with permanent counters currently
% growth in bicyclists observed through permanent count stations	Compile monthly bicycle counts to an annual number then determine growth over previous year.
# of bike boardings on Metro per year	Data is for calendar year 2014
# of bike share checkouts per year	2015
Annual City events that support increased ridership (e.g., Sunday Streets, Tour de Houston, Bicycle Advisory Committee meetings)	2015, City of Houston Reporting
Miles of high comfort bikeways per capita (per 10,000 people)	Population from 2014 ACS data
% of bikeways in good or better condition	TBD
Population within ¼ mile of a bike share station	2015
Jobs within ¼ mile of a bike share station	2015
% of major transit nodes with secured bike parking	2015
Dedicated city staff (FTE) for bikeway program	2014 Benchmarking Report (Alliance for Walking & Biking)