HOUSTON BIKEPLAN

BICYCLE ADVISORY COMMITTEE

MEETING #4 | FRIDAY, JANUARY 29, 2016



Todays Objectives

- Share Draft Bicycle Master Plan Presentation for discussion and feedback
- Discuss outreach plan and opportunity for BAC to support plan

The Houston Bike Plan

- Develops a Vision and Supporting Goals for Bicycling in Houston
- Incorporates Feedback from Stakeholders Across the City
- Defines Approach to Expand Bikeways To Create Citywide Network in Both Short and Long Term
- Develops Policy Framework and Programs to Support a More Bicycle Friendly City
- Develops Approach to Build Momentum for Implementation

The Case for Action

The Houston Bike Plan is a **transformative opportunity** to...

1. Provide a safer, more comfortable environment to help support the increase in people riding bicycles in Houston
2. Provide affordable access to jobs and opportunities across the City
3. Improve community health and wellness
4. Compete with peer cities in attracting talent and investment
5. Benefit everyone, not just people who bike

Where Are We?

Phase		Timeline
1	Existing Conditions and Opportunities	May 2015
2	Defining Goals	July 2015
3	Bicycle Toolbox	
4	Developing Draft Plan	Feb 2016
5	Public Outreach on the Plan	
6	Finalize Plan	April - May 2016



Major Public Engagement Periods

HOUSTON BIKEPLAN

Houston Bike Plan: Developed Through Partnership…

Lead Agency

Multiple Departments

- Planning & Development
- Public Works & Engineering
- Parks & Recreation

Funding Partners

BIKEHOUSTON

Houston-Galveston Area Council

U.S. Department of Transportation Federal Highway Administration

Texas Department of Transportation

HOUSTON PARKS BOARD PARKS BY YOU!

…with Significant Community Input

- Bicycle Advisory Committee
- 16 Public Meetings, Online Survey, Discussion Forum, Interactive Map, & Meeting in a Box
- Built awareness at 45 events
- Level of Input:
  - 4,083 email signups from events
  - 2,895 online surveys
  - 800+ map comments from meetings & events
  - 387 online map ideas
  - 237 Public Meeting Attendees
    - 258 Goals & Needs Comments
    - 35 General Comment Cards Received
  - 130 online forum comments
- Partner Outreach including BikeHouston and Energy Corridor







HOUSTON BIKEPLAN

JOIN US AT THESE UPCOMING MEETINGS TO SHARE YOUR IDEAS ON HOW THE HOUSTON BIKE PLAN CAN HELP MAKE HOUSTON A SAFER, HEALTHIER, MORE BIKE-FRIENDLY CITY.

BIKE RIDE & OPEN HOUSE AT **ENSEMBLE THEATER**
SATURDAY MAY 30TH, 9:00AM - 1:00PM
3535 MAIN STREET HOUSTON, TX 77002
Parking is available at the HCC lots located on Berry Street at San Jacinto (next to Adkins Architectural Antiques) and on Berry Street at Fannin. Participants may enter to win one of several raffle prizes.

Join us at one of the four public meetings for a presentation on the Houston Bike Plan, and an opportunity to give input on biking in Houston.

1 **KASHMERE MULTI-SERVICE CENTER**
THURSDAY, JUNE 4, 2015, 6:00-8:00 PM
4802 Lockwood Drive, Houston, TX 77026 / Auditorium #172

2 **PALM CENTER BUSINESS TECHNOLOGY CENTER**
TUESDAY, JUNE 9, 2015, 6:00-8:00 PM
5330 Griggs Road, Houston, TX 77021 / Conf. Room C101

3 **HCC MEMORIAL CITY PERFORMING ARTS CENTER**
TUESDAY, JUNE 16, 2015, 6:00-8:00 PM
1060 W Sam Houston Pkwy N, Houston, TX 77043 / Theat. II Room 411

4 **BAKER-RIPLEY NEIGHBORHOOD CENTER**
TUESDAY, JUNE 23, 2015, 6:00-8:00 PM
6500 Rookin, Houston, TX 77074

This project is funded by the City of Houston, BikeHouston, Houston Parks Board, H-GAC, FTA, FHWA, and TxDOT.

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HOUSTON BIKEWAYS
@HOUSTONBIKEPLAN

How can the Houston Bike Plan encourage more women to bike?

please join us for a

WOMEN & BIKING FOCUS GROUP

During the month of September, we are convening women (who bike a little, a lot, or not at all) to better understand how to encourage more women to bike. Please sign up to participate in a 1.5-hour long focus group. If you are selected, we will contact you to schedule the date based on respondents' availability. Kids are welcome to attend with you; just indicate their age(s) when you sign up so that we can plan accordingly. Participants will be entered into a drawing for a $100 Office Depot gift card.

Sign up to participate!

Online: WWW.SURVEYMONKEY.COM/R/HBPWOMENBIKE
Phone: 832-395-2700

This project is funded by the City of Houston, BikeHouston, Houston Parks Board, H-GAC, FTA, FHWA, and TxDOT.

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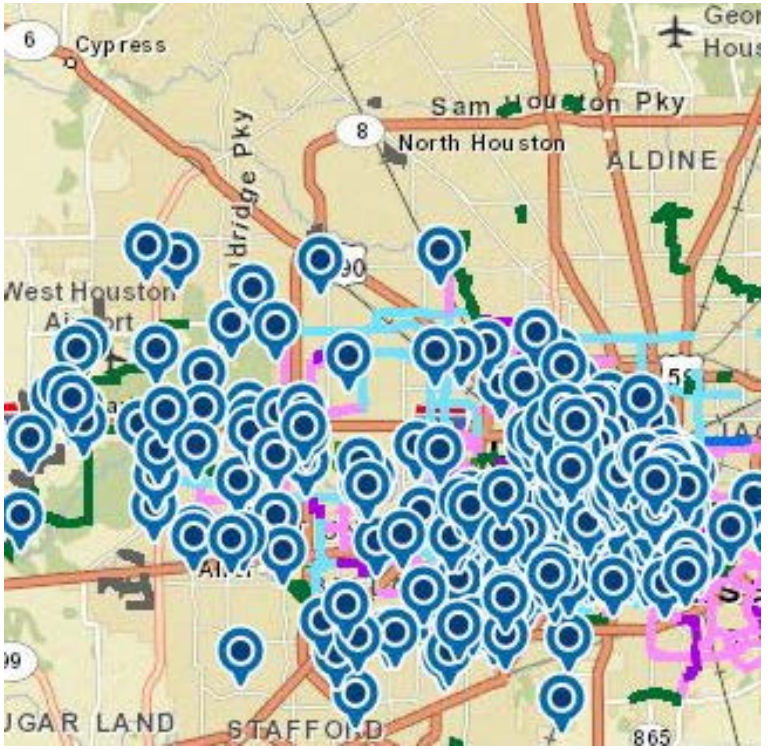








Houston Bike Plan Vision

By 2026, Houston will be a Safer, More Accessible, GOLD Level Bicycle Friendly Community

Goals to Support the Vision

VISION: By 2026, the City of Houston will be a Safer, More Accessible, Gold Level Bike-Friendly City



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.

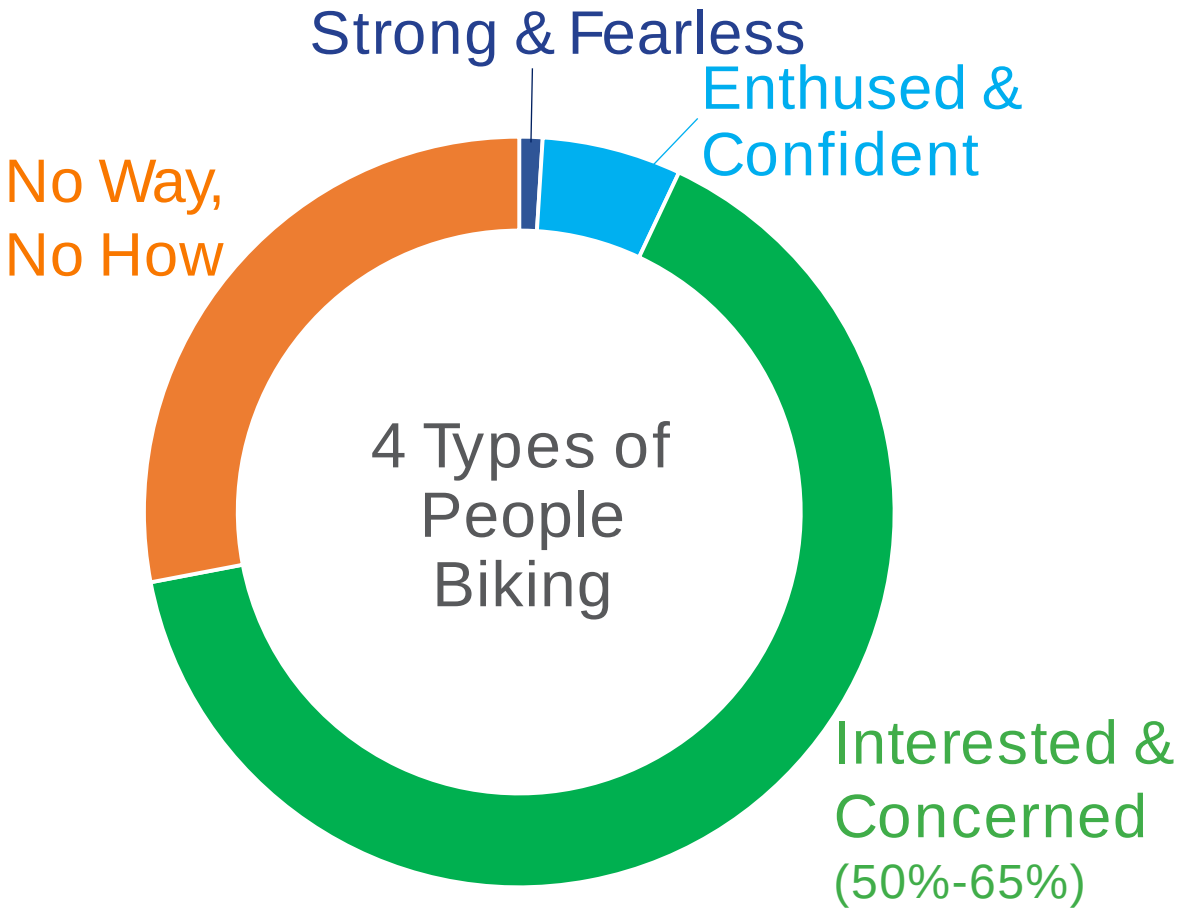


Develop & Maintain Facilities

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

Who is the plan for?

Grow ridership across all ages, skills and abilities

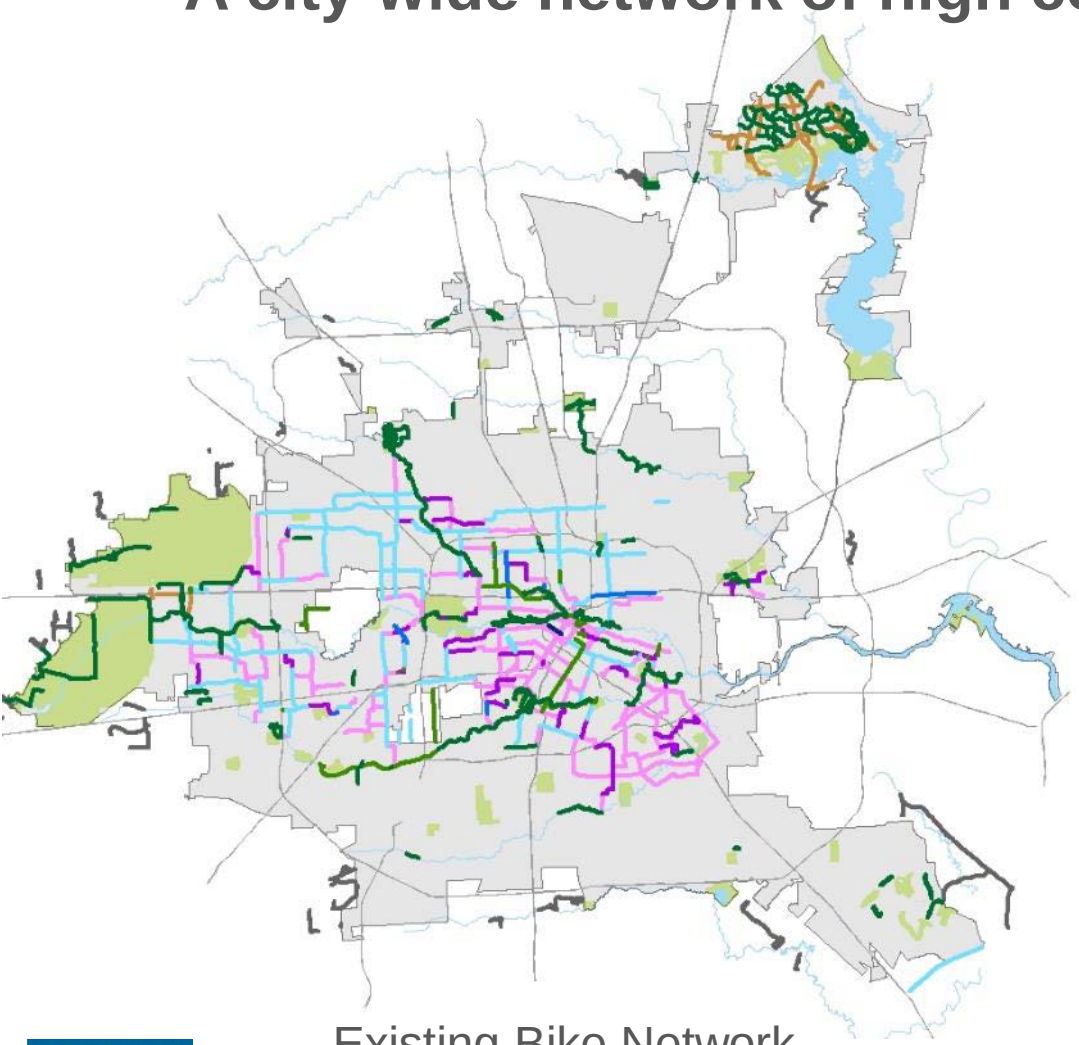


- 4 Types of People Who Bike
- Plan goals aligned with largest opportunity to increase ridership (who account for ¾ of all people who bike)
  - Enthused & Confident
  - Interested & Concerned

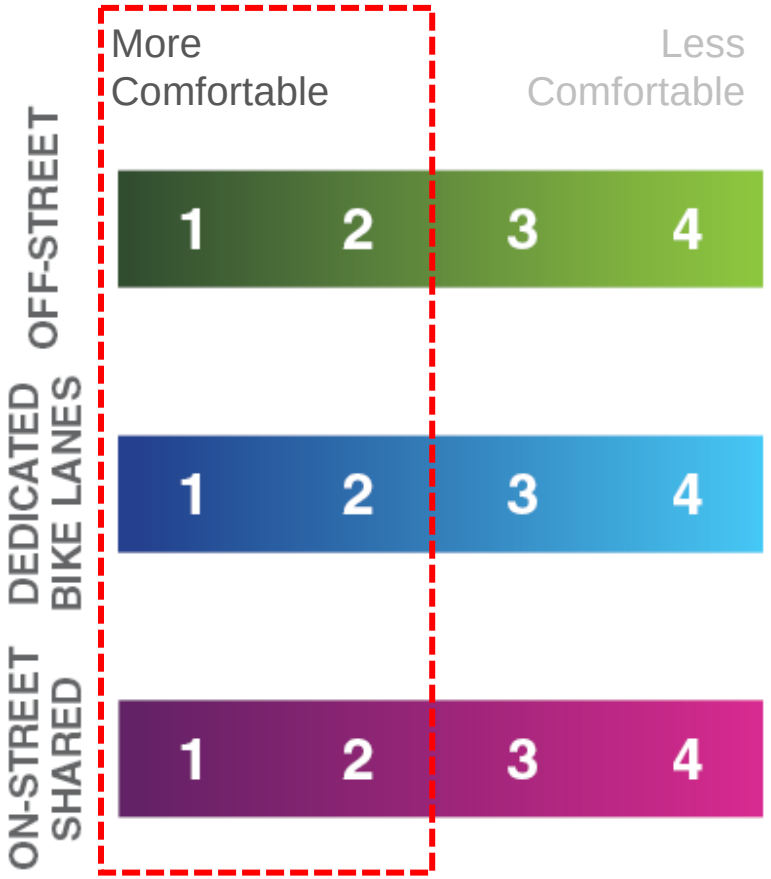
Source: Dill & McNeil: Four Types Of Cyclists?.2012. Portland State University

Who is the plan for?

A city-wide network of high comfort bike facilities



Existing Bike Network



Focus of Recommendations

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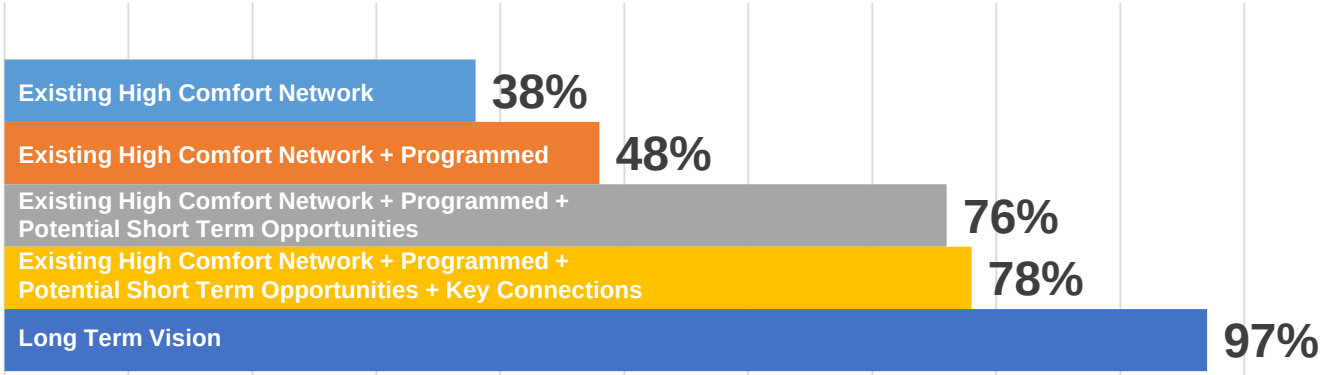
Who is the plan for?

Access to all communities

Half-Mile Population & Employment Access of the Draft Houston Bike Plan Network

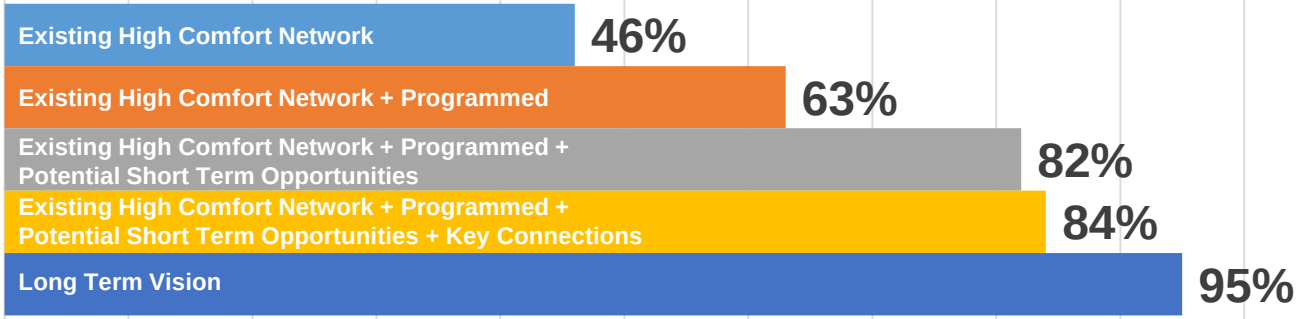
Population

City of Houston Total
2,052,190
(2010 Census)



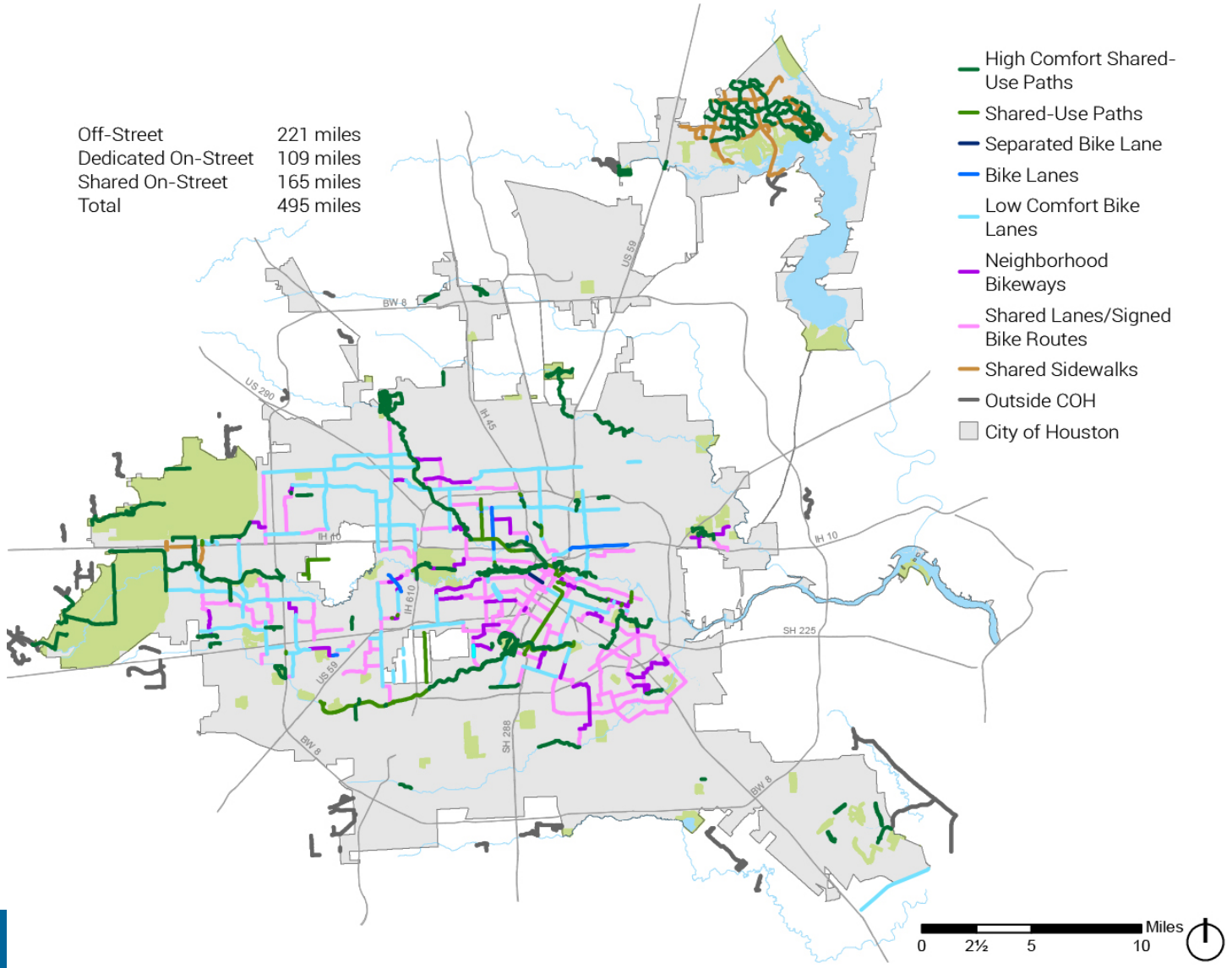
Jobs

City of Houston Total
1,465,643
(2010 LEHD)



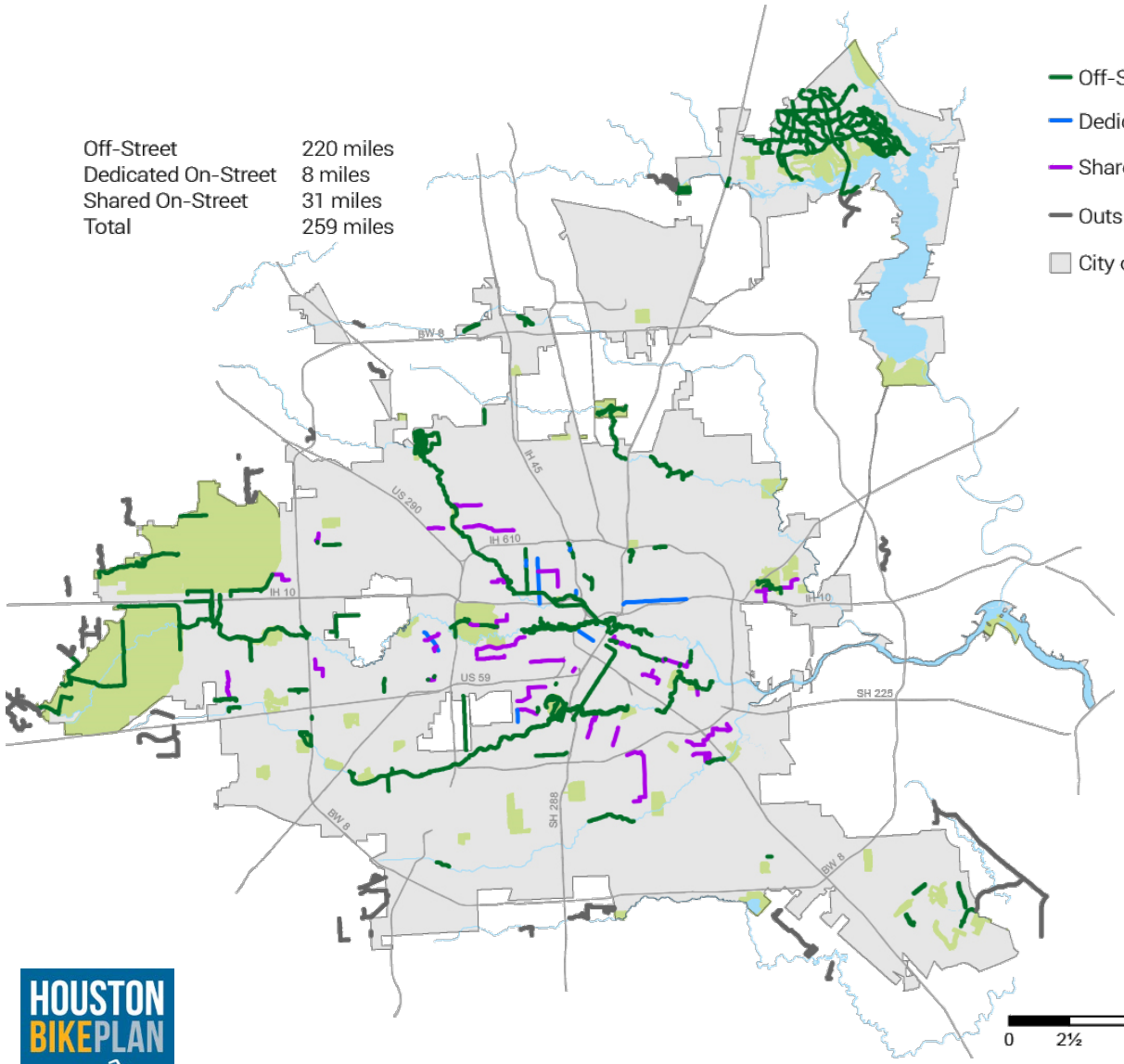
How do we get there?

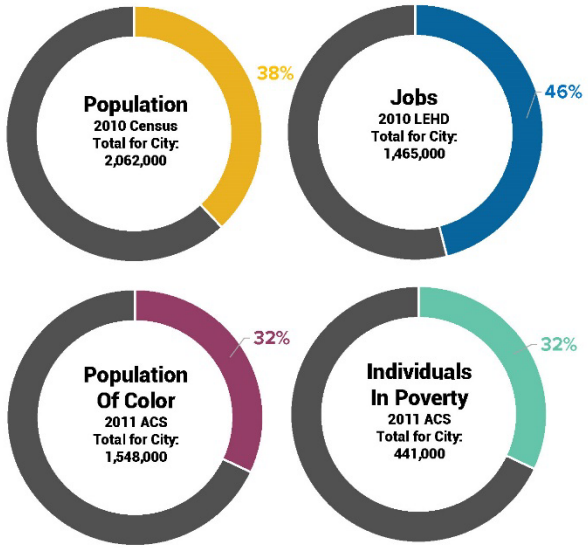
Existing Bike Network (All Facilities)



How do we get there?

Existing High Comfort Bike Network





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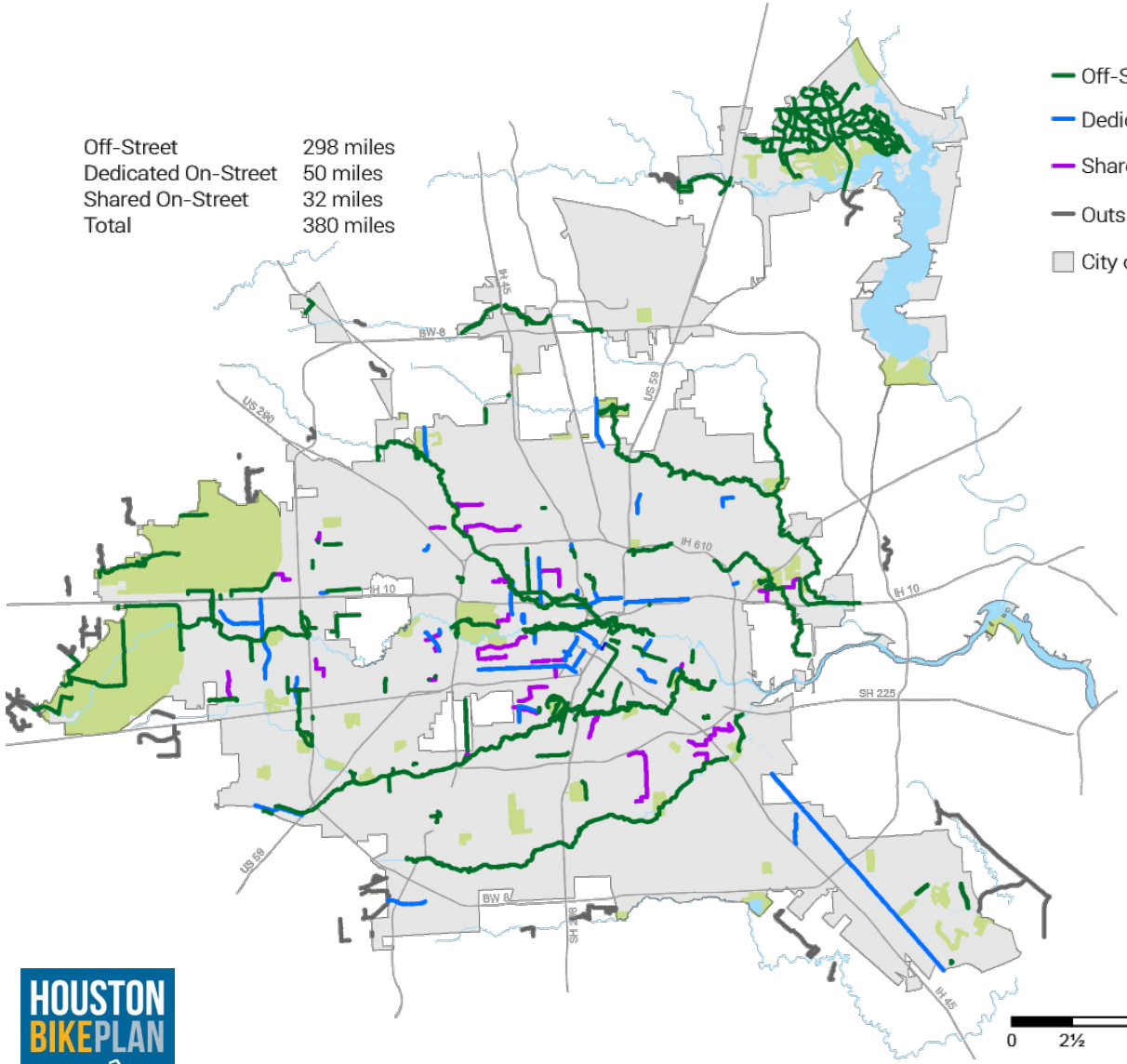
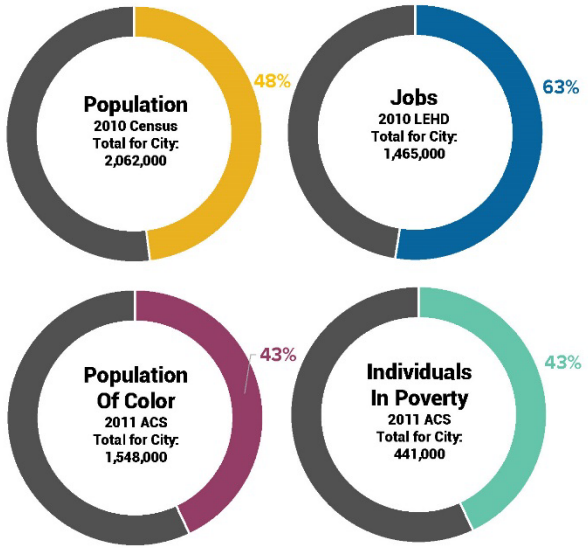
How do we get there?

Existing High Comfort Bike Network + Programmed Projects





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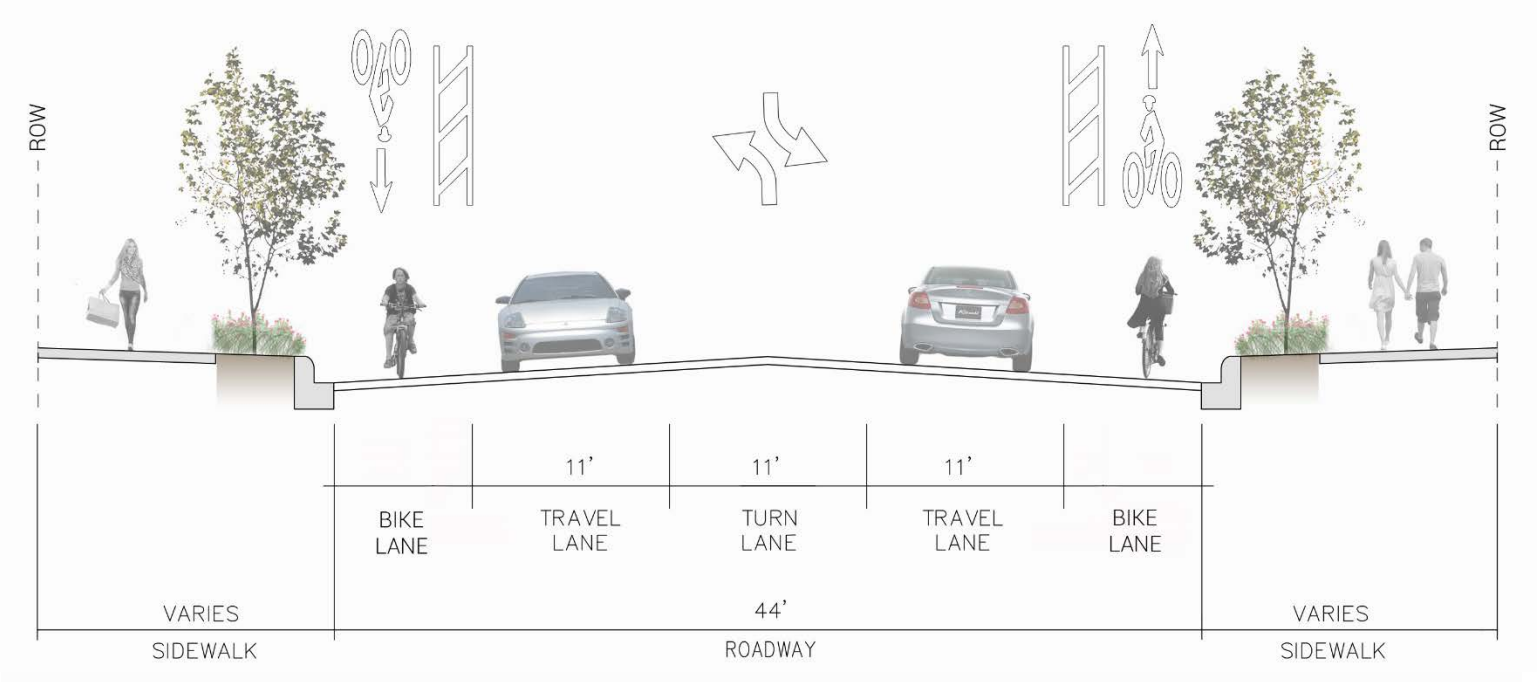
Short Term Opportunities

- **Lower cost** implementation typically not requiring major capital projects
- Largely accomplished though "**Paint & Signs**"
- Many projects **designate already comfortable streets as bikeways**
- Some projects **may require reallocating street space** on streets with excess lane capacity or on-street parking
- Require vetting through **final engineering design and community dialogue**

Short Term Opportunities

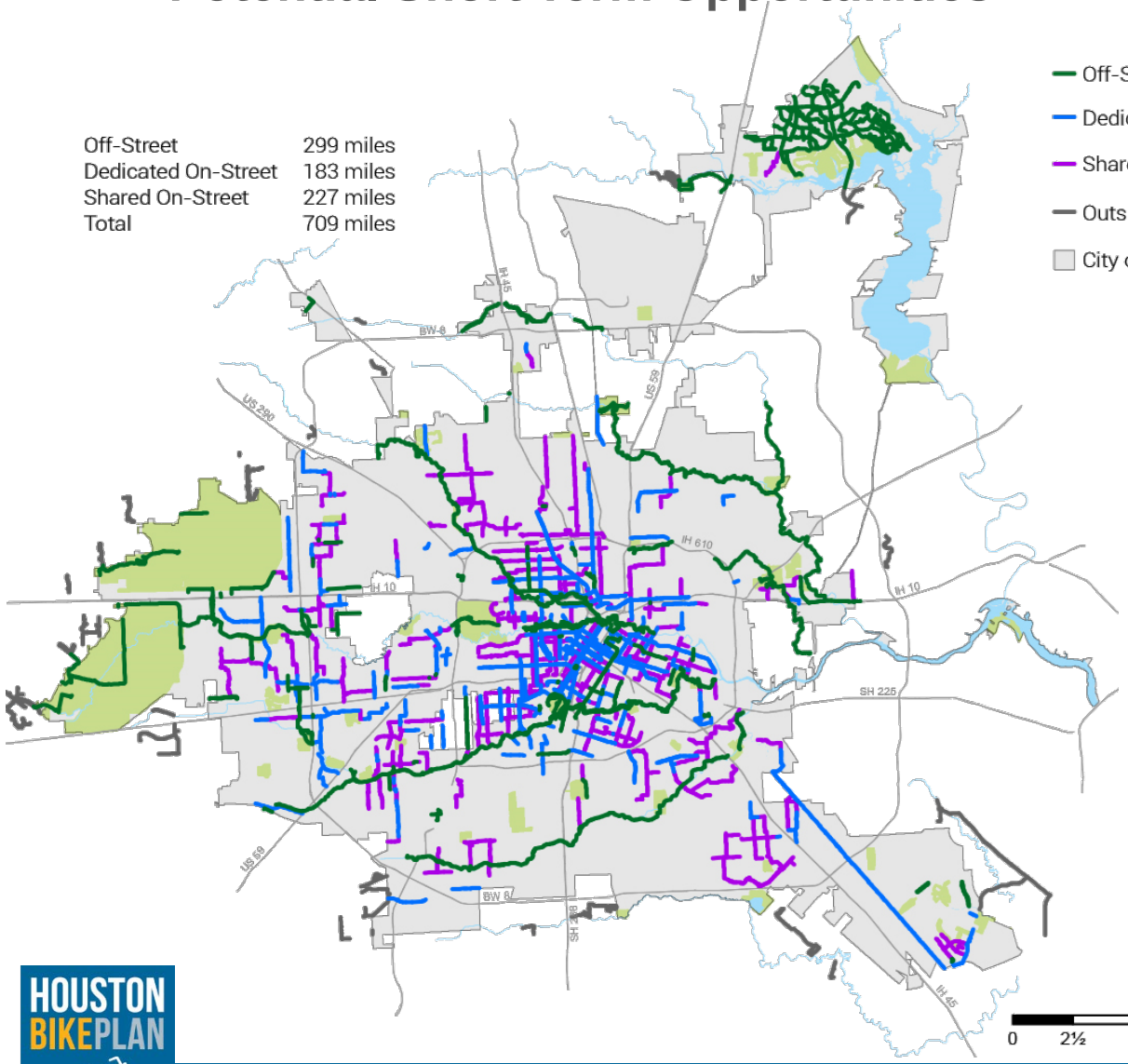
Example: 4-3 Conversion

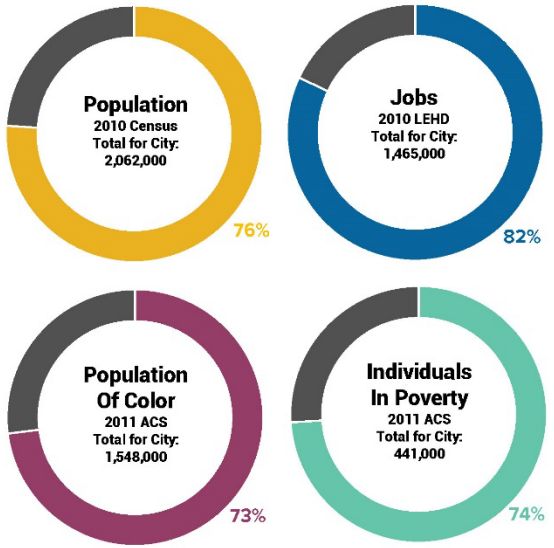


- 3-Lane Streets can carry equal or higher traffic volumes than 4-lane due to elimination of left turn conflicts on the Inside Lanes
- Can reallocate space to add dedicated bikeway
- Highlighted in recent FHWA Safety Program

How do we get there?

Existing High Comfort Bike Network + Programmed Projects + Potential Short Term Opportunities





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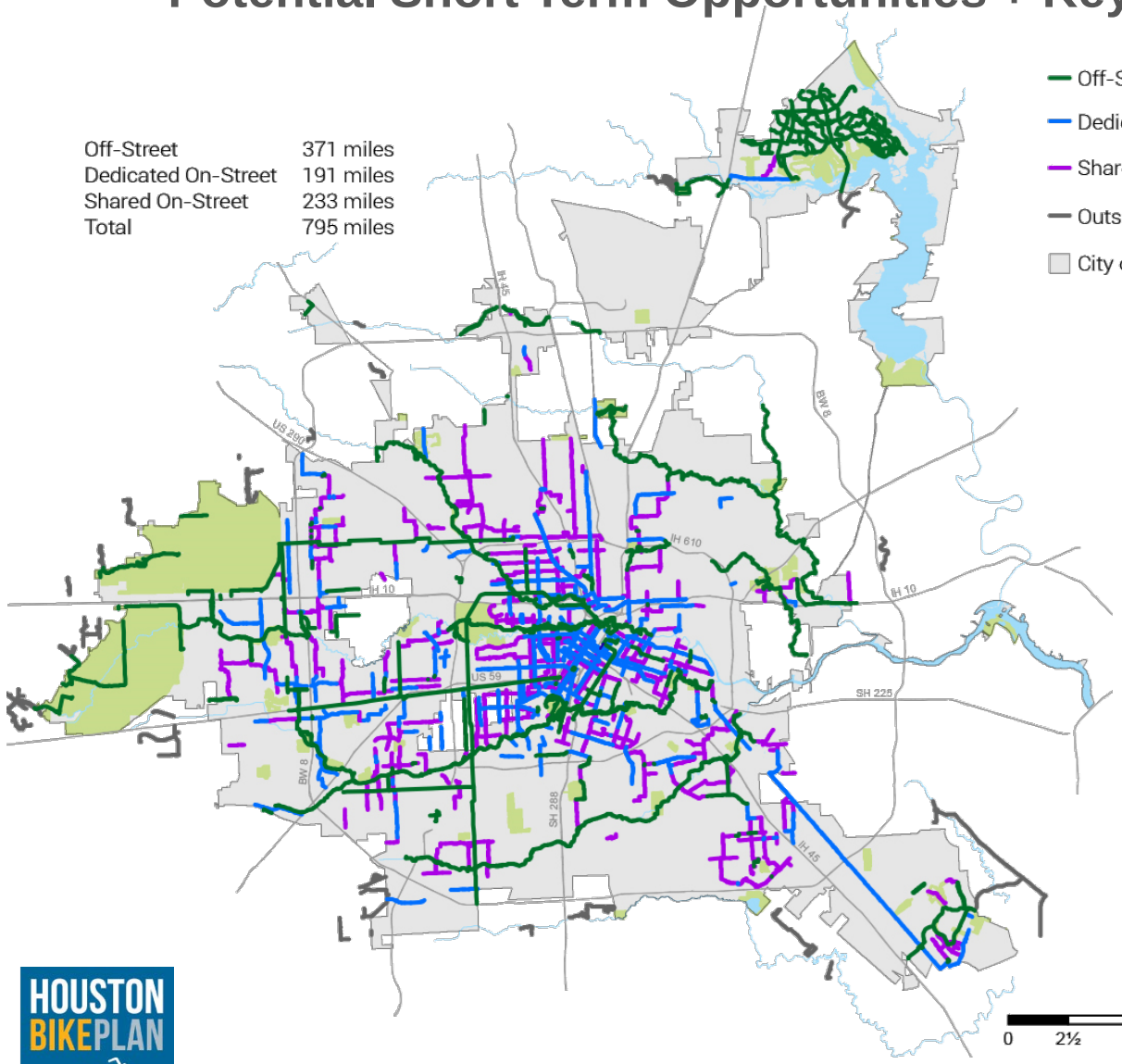
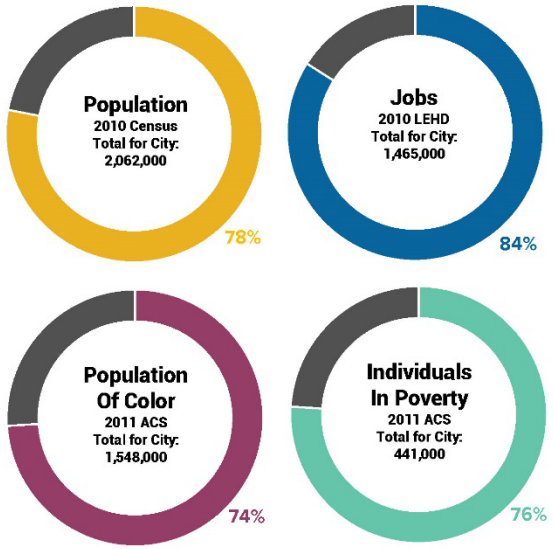
How do we get there?

Existing High Comfort Bike Network + Programmed Projects + Potential Short Term Opportunities + Key Connections





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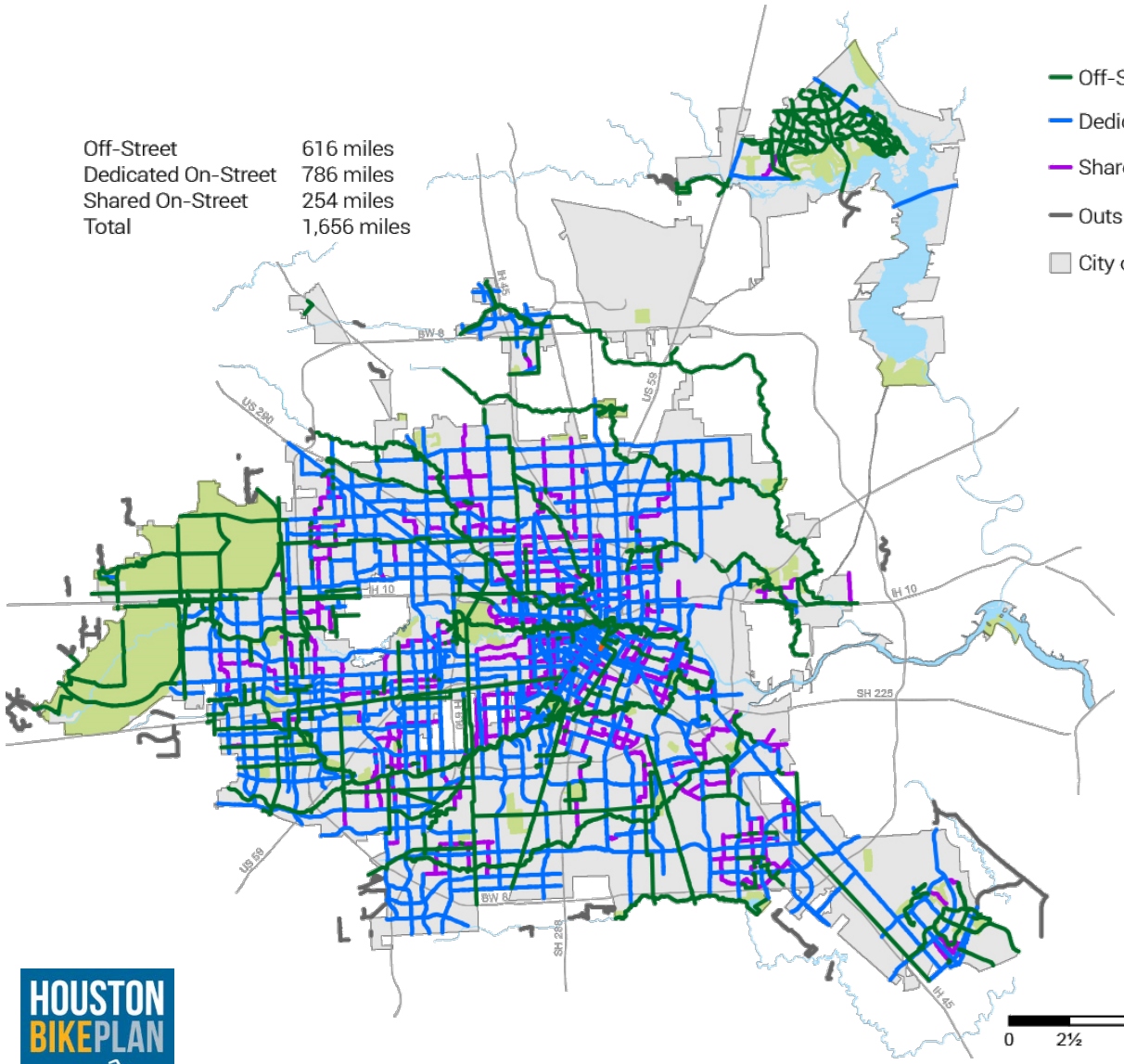
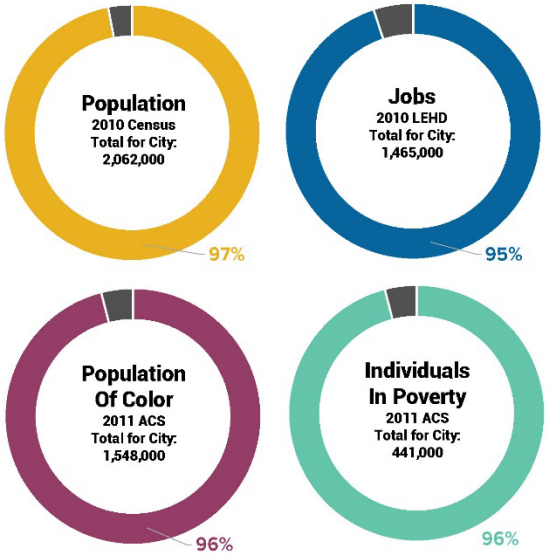
How do we get there?

Long Term Vision





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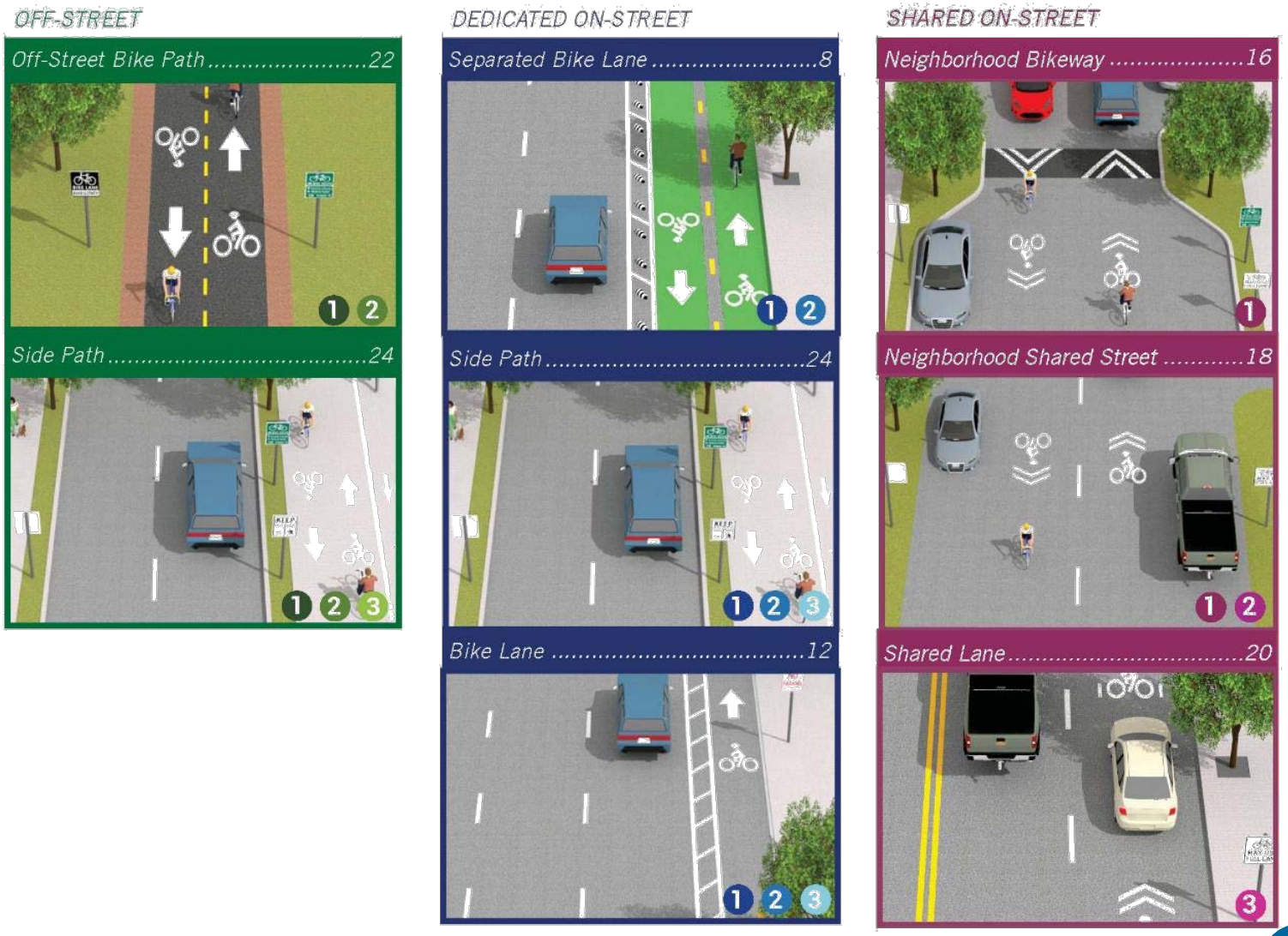
How do we get there?

Projects: Designed expand High-Comfort Network



How do we get there?

Policies & **Programs:** Creating a Framework and Support for a Bike Friendly City











How do we get there?

Policies: Enhancing the Regulatory Framework to Support a Bike Friendly City

Complete Streets.....4-97



Bike Connections in New Developments.....4-100



Idaho Stop.....4-107



Pursue Funding Opportunities 4-102



Bikes on Sidewalks Ordinance....4-105



CIP Process 4-98



Infrastructure Design Manual.....4-100



Bike Parking Requirements.....4-108



Include bike facilities in overlays.4-103



Stop Sign and Signal Warrants....4-105



Safety and Vision Zero.....4-98



Construction Coordination.....4-101



Bike Facilities at Public Buildings....4-109



Speed Limits.....4-104



Prohibit Parking in Bike Lanes....4-106



Major Thoroughfare Plan 4-99



Maintenance/Operations Cap.....4-102



Bike Friendly ISDs 4-109



Lighting 4-104



24hr operation for paths.....4-106



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How do we get there?

Programs: Supporting

Bike Friendly Certifications.....4-115



Bike Trains / School Bus.....4-119



Guaranteed Ride Home.....4-122



Open Streets.....4-125



Earn-a-Bike.....4-128



Data Collection.....4-132



Bike Safety Training.....4-117



Commuter Outreach.....4-120



Driver Education.....4-123



Organized Bike Rides.....4-125



Bike Repair Workshops.....4-129



Maps.....4-133



Defensive Cycling.....4-118



Safe Routes Ambassadors.....4-121



Bike Commuter Buddy.....4-124



Awareness Campaigns.....4-126



Bicycle Co-op.....4-130



"Adopt-a-. . ." Program.....4-133



Bike Shop Outreach.....4-118



Incentive Programs.....4-122



Better Block.....4-124



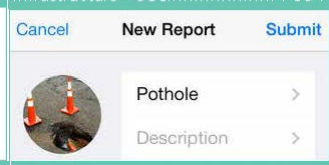
Bicycle Patrol Training.....4-127



Integrated Bicycle App.....4-131



Infrastructure - 311.....4-134



Safe Routes to Schools.....4-134



Grant Program for Bike Racks.....4-13



Maintenance.....4-136



HOUSTON BIKEPLAN

Implementation Strategies & Key Recommendations

1. Manage Performance Goals
2. Prioritize and Collaborate On Policies and Programs
3. Project Development and Implementation
4. Develop Resource and Staffing Needs
5. Leverage Funding Opportunities
6. Build Momentum Through Pilot Projects
7. Connect to Major Bicycle Thoroughfares (e.g., Bayous and Other Greenway Trails)
8. Engage Neighborhoods to Translate Plan to Local Level

Implementation

Using Metrics to Manage Performance

Improve Safety

Disparity rate of bicyclist fatalities & bicycle mode share = **3.8**
Bicyclists comprise:
0.6% of all trips (3-year average)
2.3% of all roadway fatalities

Increase Ridership

2015 bike share checkouts = **98,449**

11 City events supported increasing bicycle ridership in 2015

Increase Access

46% of jobs and **38% of people** are within ½ mi. of a high-comfort facility

23% of schools and **libraries** are within ¼ mi. of a high-comfort facility

Develop & Maintain Facilities

Miles of high-comfort bikeways/ 10,000 population = **1.17**

Within ¼ mi. of a bike share station: **155,600 jobs** & **27,900 people**

4% transit nodes have secure bike parking

Implementation

Planning-Level Cost Estimates

	Miles	Planning Level Cost $ (in Millions)
Existing network	**Off Street:** 220 **On Street Dedicated:** 8 **On Street Shared:** 31	--
Programmed	**Off Street:** 78 **On Street Dedicated:** 19 **On Street Shared:** 24	--
Short-Term Potential	**Off Street:** - **On Street Dedicated:** 133 **On Street Shared:** 193	$24 - 45
Key Connections	**Off Street:** 72 **On Street Dedicated:** 8 **On Street Shared:** 6	$68 – 110
Long-Term projects	**Off Street:** 245 **On Street Dedicated:** 595* **On Street Shared:** 21	$214 – 347*

*Cost Estimates for Long-Term Projects do not include On Street Dedicated projects, as these will require full street reconstruction and may be built as dedicated bike lanes or side paths within R.O.W. Estimated cost will be included in roadway projects.

Implementation

Will Require Multiple Funding Approaches

Local

- Regular Operations & Maintenance Funds
- Other General Funds
- CIP Projects
- Municipal Bonds
- Impact Fees
- Voter-Approved Fees
- Parking Benefit Districts

Federal

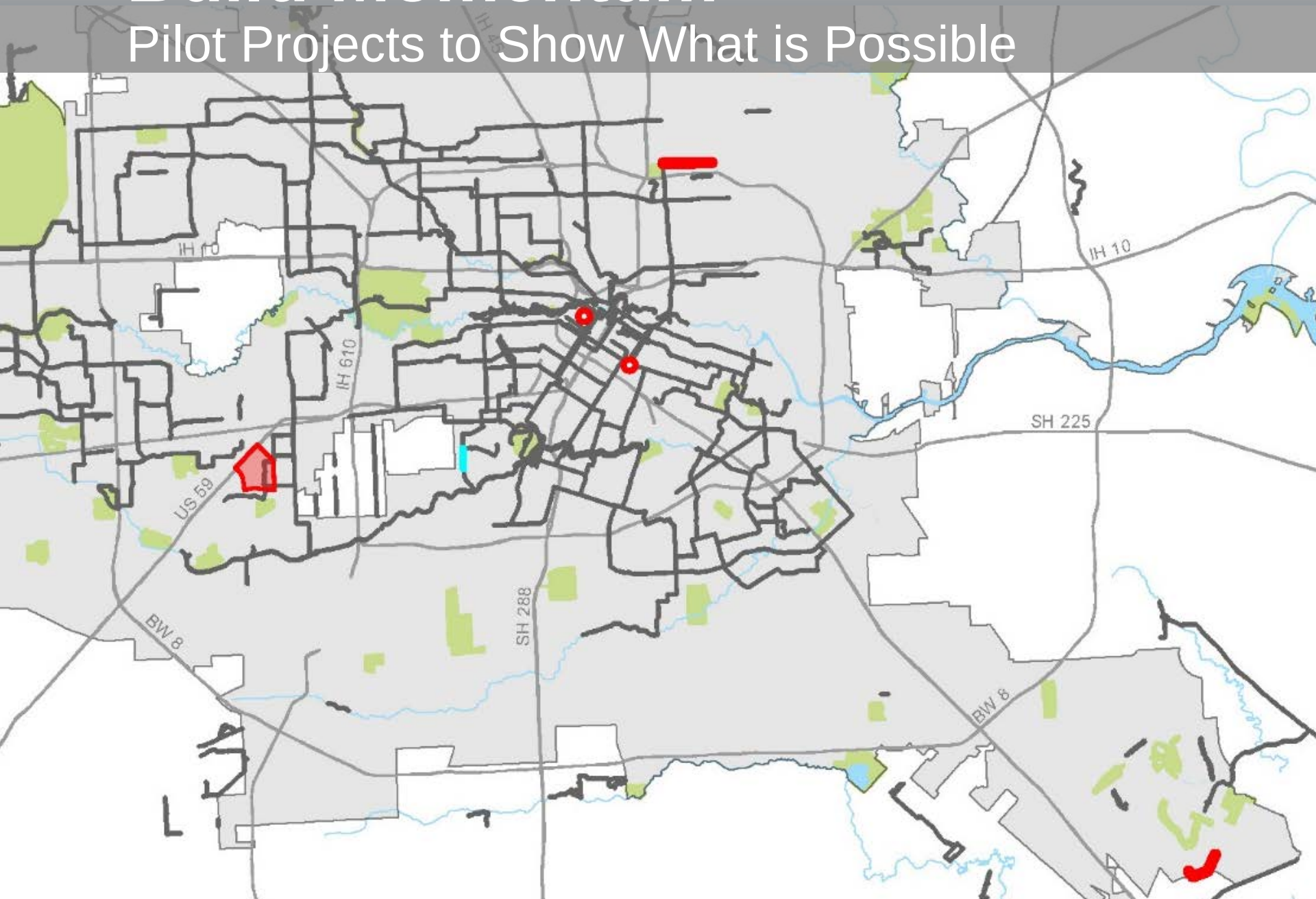
- FHWA & FTA grants
- H-GAC funding
- Discretionary grants (i.e. TIGER)
- TIFIA
- Non-USDOT Funding: Health, Job Access, Housing etc.

Partnerships

- Municipal Management Districts
- TIRZs
- Developers
- Businesses
- Hospitals & Health Service Providers
- Philanthropic Organizations
- Non-Profits
- Universities
- Transit Agencies

Build Momentum

Pilot Projects to Show What is Possible




BEGIN
RIGHT TURN LANE
YIELD TO BIKES

Build Momentum

Greenway Access to Connect More People



Build Momentum

Neighborhood Plan to Make Citywide Plan Local





Gulfton-Sharpstown
Neighborhood Study Area

How You Can Support the Houston Bike Plan

- Help get the word out about the plan.
  - Share Interactive Houston Bike Plan Summary
  - Distribute plan information brochure
  - Express Support to Elected Officials
- Provide Feedback
  - Interactive Map
  - Comment Cards – attached to brochure
  - Online Feedback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Questions & Discussion on Plan & Presentation

Todays Objectives

- Share Draft Bicycle Master Plan presentation for discussion and feedback
- Discuss outreach plan and opportunity for Bicycle Advisory Committee to support plan

Community Engagement Approach

Building Momentum

Public Meetings/Events

- Kick-off Meeting to Release the Plan
- Town Hall Webinar
- Attend City of Houston District CIP Meetings
- Additional Meetings Identified by BAC, Council Members and Others to reach more people
- BikeHouston Ambassadors
- Flyers/Feedback Forms in Public Venues

Community Engagement Approach

Building Momentum

Online

- Interactive StoryMap of the Plan
- Full Report and Maps (PDF and Google Earth Files)
- Interactive Maps (with feedback option)
- Brief Feedback Form (“I support the Houston Bike Plan Because…”) with email collection
- Regular social media postings
- Draft Letters of Support
- Links to Videos by BikeHouston

How You Can Help

- Help us leverage your networks through social media and email blasts
- Provide information on important community meetings where Houston Bike Plan information/presentation should be provided
- Help us place information in the community's hands
- Provide letters of support from your organization
- Speak in front of City Council in support of the Plan

Spreading the Word

- Any additional avenues to reach people that would be valuable?
- Are there any additional materials that would help you support outreach on the plan?
- Anything else to help build momentum for plan adoption?

Next Steps

- Presentation to City Council TTI Subcommittee
- Gulfton-Sharpstown Neighborhood Planning
- Conceptual Pilot Project and Bayou Access Plan Development
- Develop Calendar for Public Outreach Events