City of Houston
Bicycle Advisory Committee

PLANNING & DEVELOPMENT DEPARTMENT

HOUSTON BIKEPLAN

Meeting to be held Wednesday, October 23, 2024, 2:00 – 4:00pm at the John B. Raia Room, 611 Walker, 6th Floor

For meeting documents, please visit our website

Comments received via email before 5:00pm on October 22 will be read into the record during public comment.

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

Agenda

Discussion Regarding the Following Items (Updates highlighted):

1. Director's Report
2. Chair's Report
3. Approval of July 2024 Minutes
4. Public Comment
5. Update on the proposed Patrick Walsh Bike Path naming
6. Lime Bike and Scooter Share
7. Hermann Park Conservancy Update
8. Discussion: Upcoming Legislative Session
9. Quarterly Updates
    a. Bikeway Fatalities and Serious Injuries Year-to-Date
    b. Bikeway Projects
    c. No Parking in the Bike Lane
10. Open Forum
11. Announcements

Bicycle Advisory Committee

October 23, 2024

PLANNING &
DEVELOPMENT
DEPARTMENT

Mission and Vision

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

Roll Call

Tom Compson, Chair

Alejandro Perez, Vice Chair

Tracy Alexander

Leah Chambers

Adam J. Williams

Carl B. Salazar

Joe Cutrufo

Lisa Graiff

Trevor Reichman

Yuhayna Mahmud

Nick Hellyar

Ben Drews

Amar Mohite

Mike VanDusen

Nikki Knight

Robin Holzer

Veon McReynolds

Ex-officio Members:

Ian Hlavacek

Nicole Broussard*

Patricc Fortiori

Agenda

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

Director's Report

Brian D. Smith, II
Planning & Development

Chair's Report

Tom Compson
Community Advocate
Chair, BAC

Approval of July 2024 BAC Minutes

Public Comment

Send **written comments** to bac@houstontx.gov by 5:00pm the day before BAC meetings. Comments will be read aloud by staff during the meeting.

The public is invited to give comments in person at the beginning of the meeting. Please submit a comment card if you intend to speak.

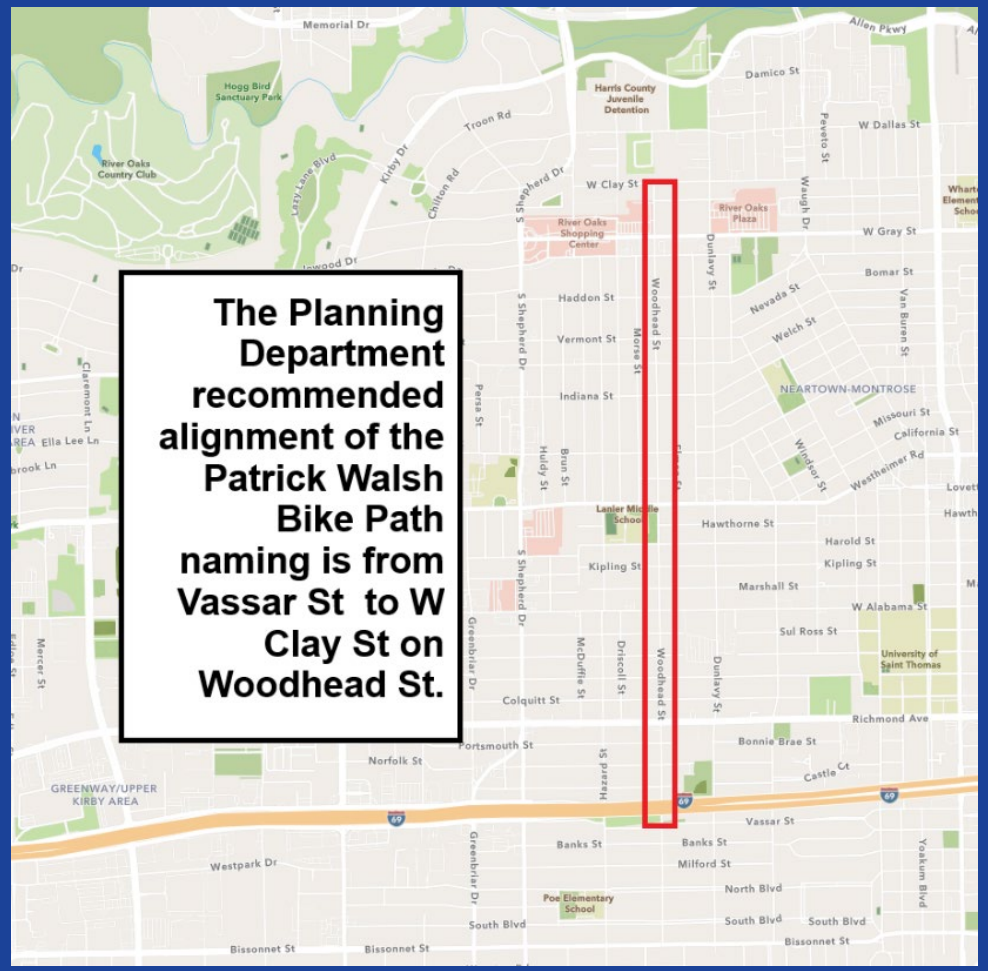
The public is invited to speak for up to two (2) minutes.

Update on Proposed Patrick Walsh Bike Path Naming

Wilson Calvert
Planning & Development

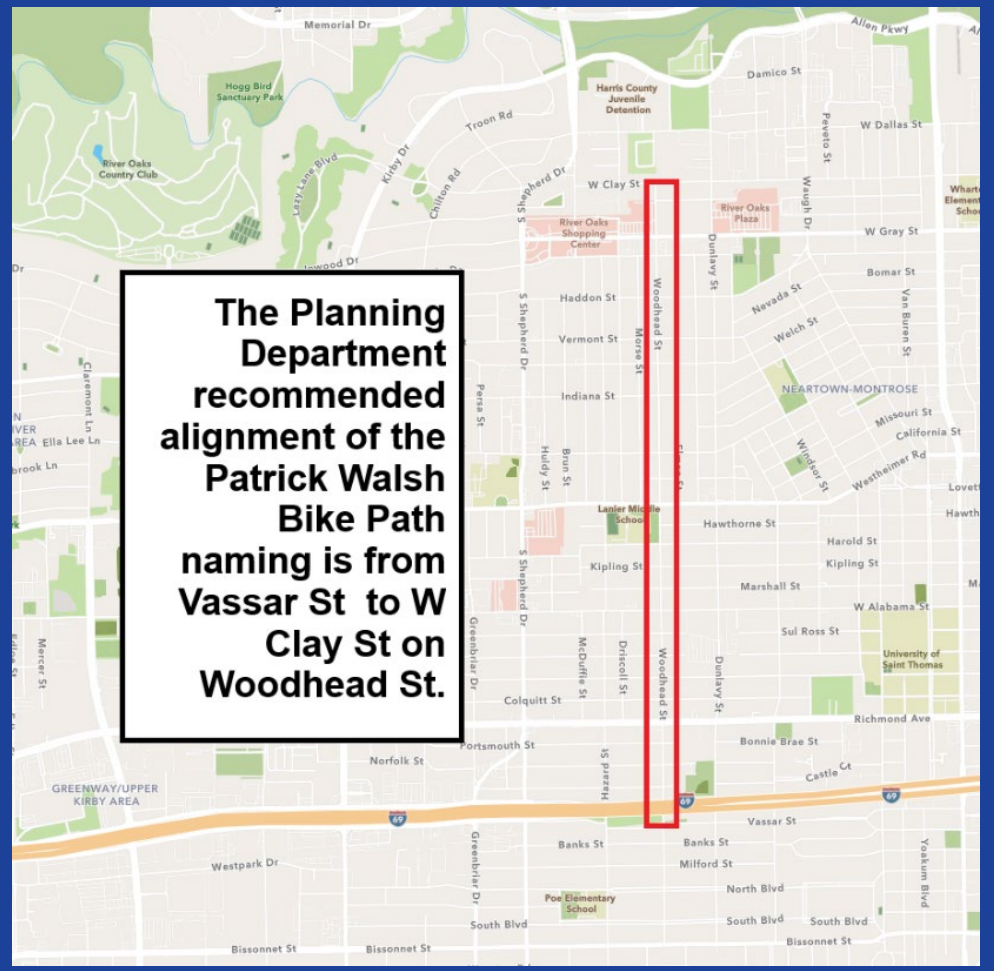
Update on the proposed Patrick Walsh Bike Path naming

Houston Planning Department is recommending to the Mayor and City Council that the originally proposed route of the Patrick Walsh Bike Path should be extended to W Clay St.



Update on the proposed Patrick Walsh Bike Path naming

- 50 public comments were received. 49 in favor and 1 against.
- Letters of support were received by CM Alcorn and CM Kamin.



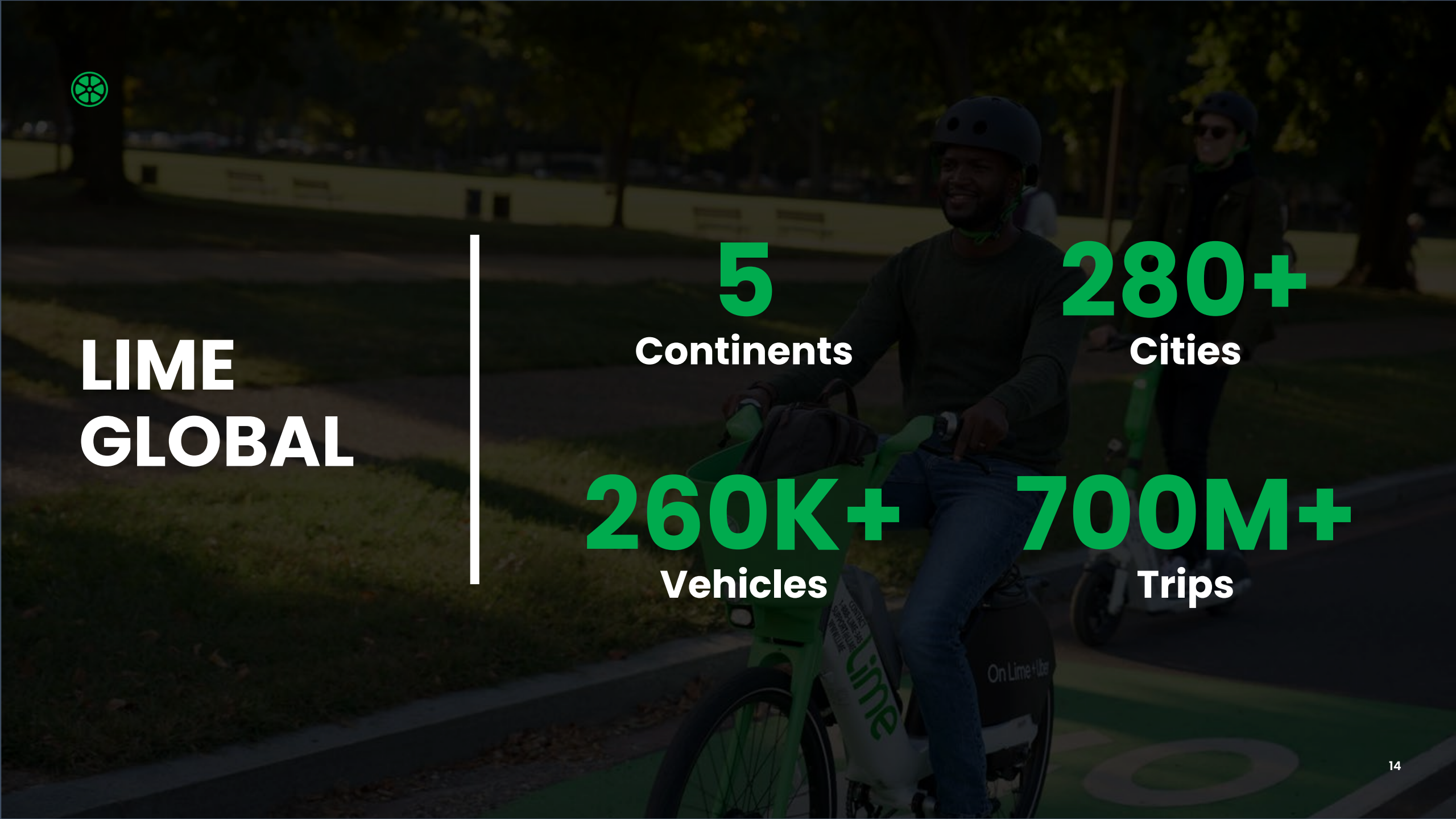
Lime Bike & Scooter Share

Robert Gardner
Lime



Houston + Lime
Building Together

October 2024



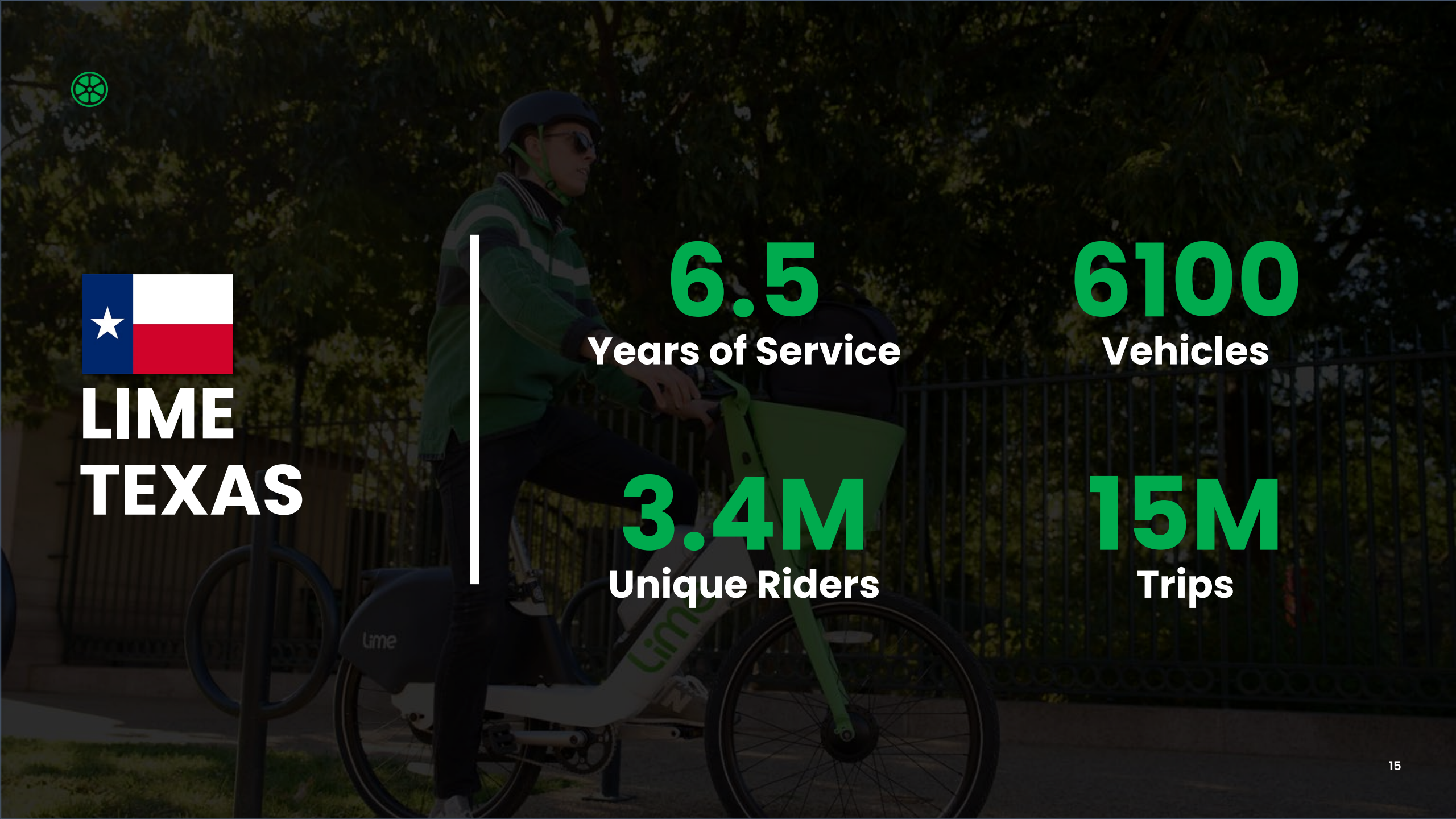
LIME GLOBAL

5
Continents

280+
Cities

260K+
Vehicles

700M+
Trips



LIME TEXAS

6.5
Years of Service

6100
Vehicles

3.4M
Unique Riders

15M
Trips

The Lime Team

LIME TEXAS



Zach
Gov. Relations
US North

Robert
Gov. Relations
Americas



Holly
RGM
US Central



Chris
Senior Ops Manager
Texas

SUBJECT MATTER EXPERTS



Nevona
City Solutions



Anissa
Product



Crew
Global Ops

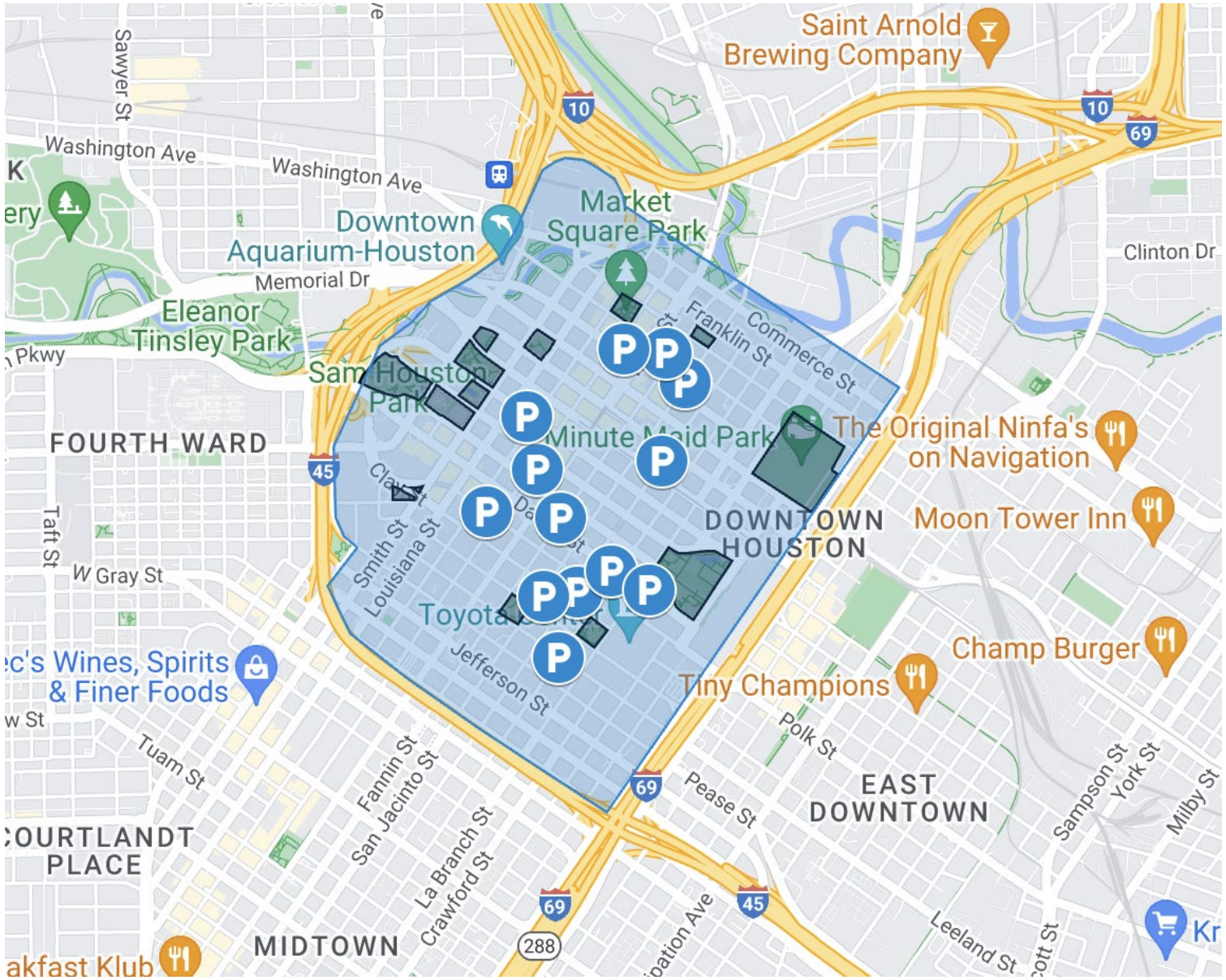


Jason
Hardware

Why We Are Here

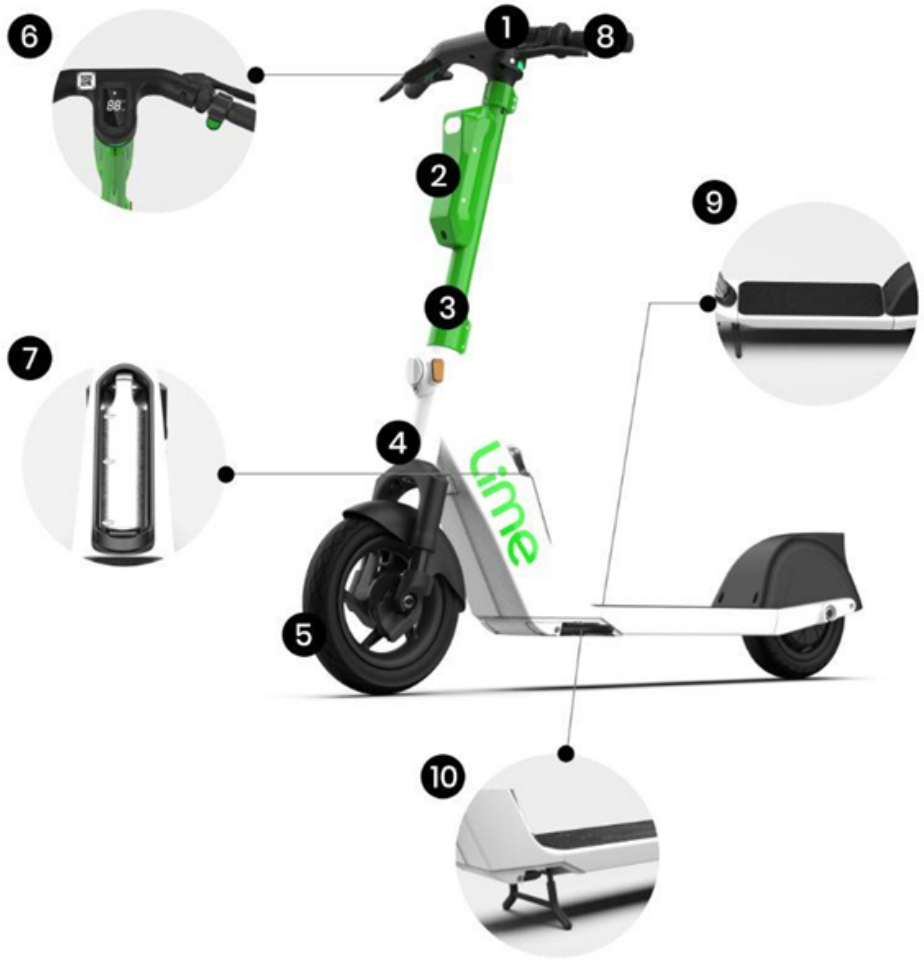


Example Service Territory



The Lime Suite of Vehicles

When we design our vehicles in-house, we put safety first.



GEN 4 SCOOTER

The safest, smoothest, most sustainable Lime scooter yet.

1. **Swept Handlebars for Maximum Stability and Comfort**
2. **LimeVision to Detect Parking, Sidewalks, Pedestrians, and More**
3. **Strong Aluminum Frame to Improve Vehicle Longevity with IP67 Protection Rating**
4. **Enhanced Mountain-bike Inspired Suspension for a Smooth Ride**
5. **Larger Wheels and Pneumatic Tires to Tackle the Toughest Road Conditions**
6. **Tap-and-Ride Wireless Connectivity**
7. **Swappable Battery with Extra Range to Reduce Operations VMTs and Time Offline for Charging**
8. **Dual Bicycle-style Handbrake for Intuitive and Secure Braking Control**
9. **Lower Center of Gravity for a More Stable and Comfortable Ride**
10. **Double Kickstand for Increased Vehicle Stability while Parked**

Dimensions: 52” L x 23” W x 45” H (132 cm L x 59 cm W x 115 cm H)
Curb weight: 60 lbs (27 kg)

GEN 4 E-BIKE

Robust electric pedal assist bike for everyday travel.



1. **Adjustable seat to find the height needed for a comfortable ride**
2. **Front and rear fenders for protection from road debris and grime**
3. **Unique ID, customer service info, and braille identifier**
4. **Dual braking system with reliable front disc brake and rear drum brake**
5. **Kickstand engineered for optimal stability when not riding**
6. **Cargo basket to conveniently store bags and belongings**
7. **Lights and reflectors including LED headlight, rear LED light, and reflector**
8. **All-weather, 26” tires to tackle the toughest road conditions**
9. **Swappable, lithium-ion battery with 25-mile range**

Dimensions: 71” L x 25” W x 44” H (180 cm L x 63 cm W x 112 cm H)
Curb weight: 73 lbs (33 kg)

New Modes - Lime Glider



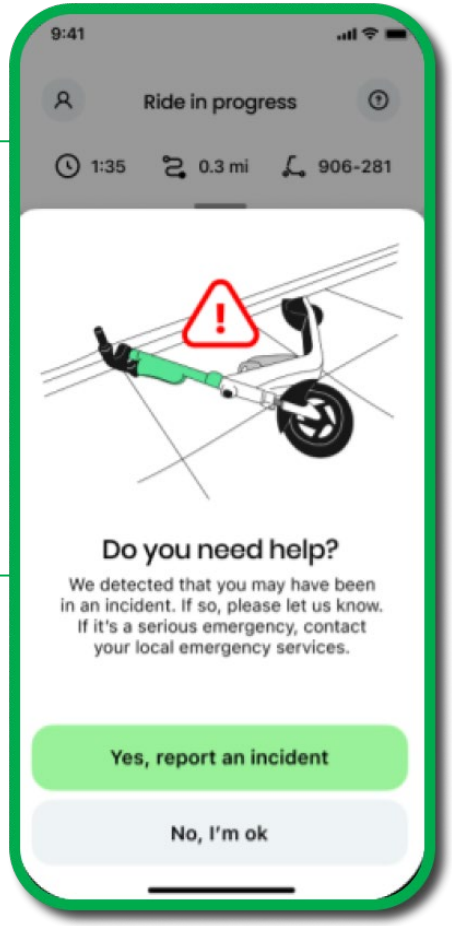
Dimensions: 69” L x 24” W x 41” H (176cm L x 61cm W x 104cm H)
Curb weight: 86.9lbs (39.4kg)

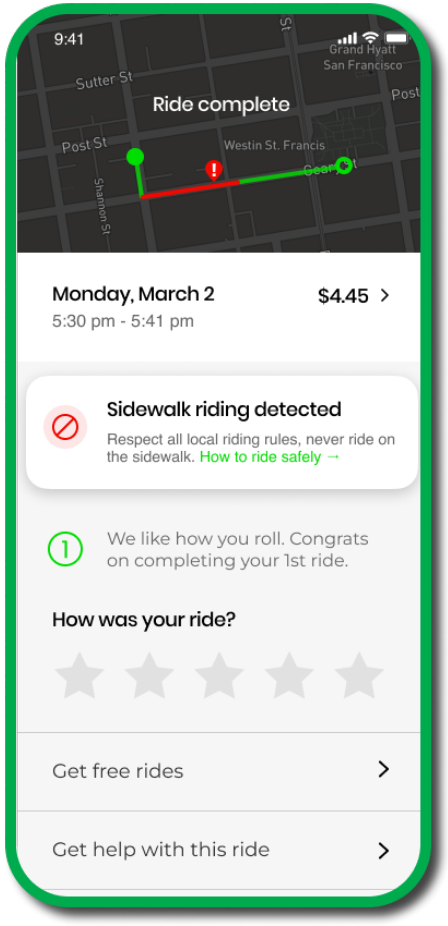
Features

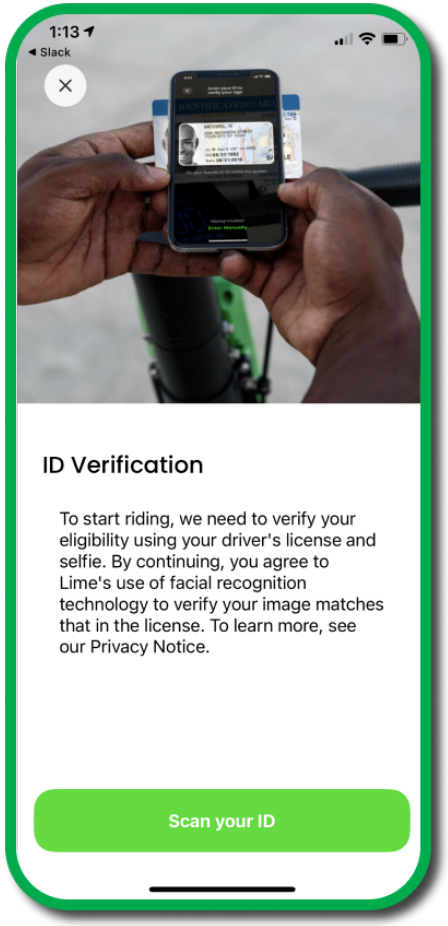
1. Thumb-operated throttle and up to 33.5-mile/54-km of range.
2. Improved geofencing that rapidly implements slow zones and parking commands with a rider-facing speaker.
3. Upgraded phone holder with secure ‘sliding clamp’ for easier navigation and ride management through the Lime App.
4. Motor torque of 65 Nm, more than enough to climb steep roads regardless of topography.
5. Larger seat that accommodates most bodies. A step-through frame makes LimeGlider easy to mount.
6. A larger basket for more cargo and with better balance and stability than rear-storage options.
7. Flexible and resistant spoked wheels that will stand up to uneven terrain and cobbled streets.

Lime vehicles are designed with best in class safety features

- Best-In-Class Design
- In-House Manufacture
- Flare Accident Detection
- ID Scan
- Single Rider Detection Technology







Education Begins Before the Ride

Our educational strategy is both multilingual and multiplatform.

Safety is Our Number one Priority



Hardware

- Swept handlebars
- Stable base
- Helmets
- LimeLight



Technology

- On-device rapid geofencing
- Tandem riding detection
- Automatic diagnostics



Insurance

- Lime's operations are fully insured and managed by FTEs in-warehouse



Education

Before: Safety messaging
During: Reduced speed mode, accident detection test, tandem riding

After: Behavioral warnings, rider messaging, AI auditing

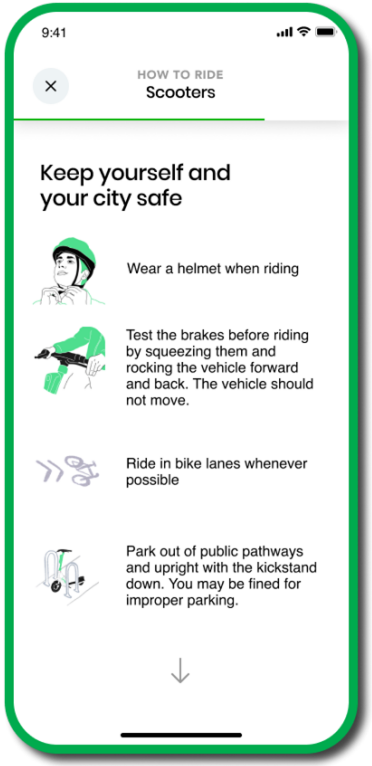
Community Education And Partnerships

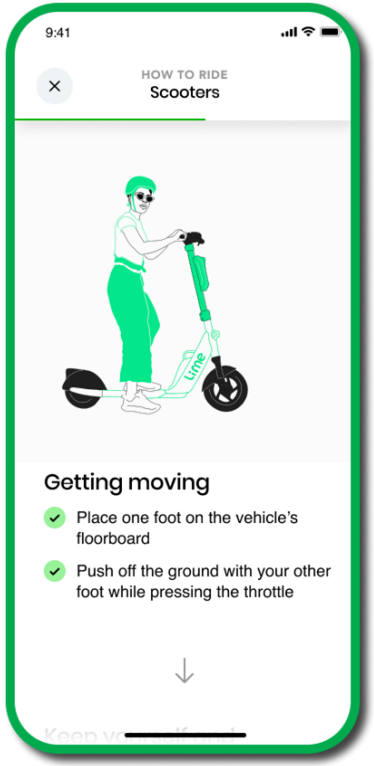
- First Ride Academies
- Community Partnership Officers
- Multilingual materials
- Meeting people where they are
- Technology and Social Media

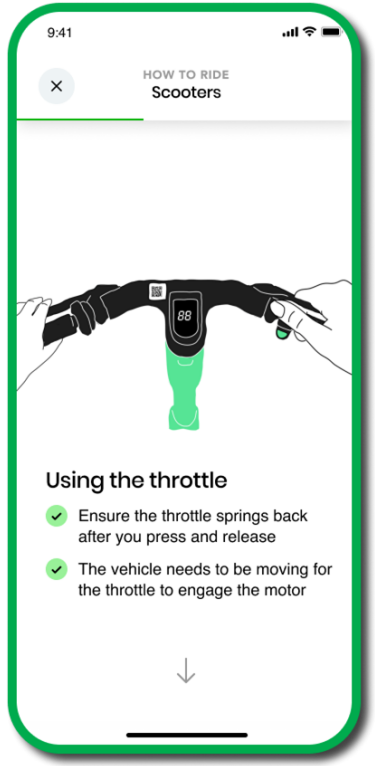


“How to Ride” Tutorial





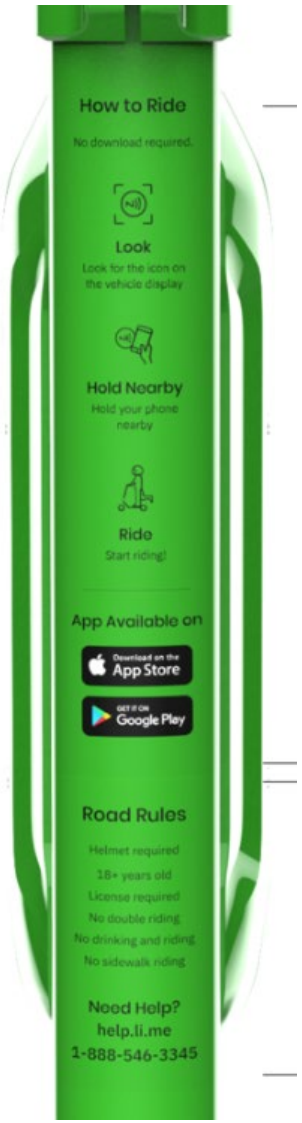


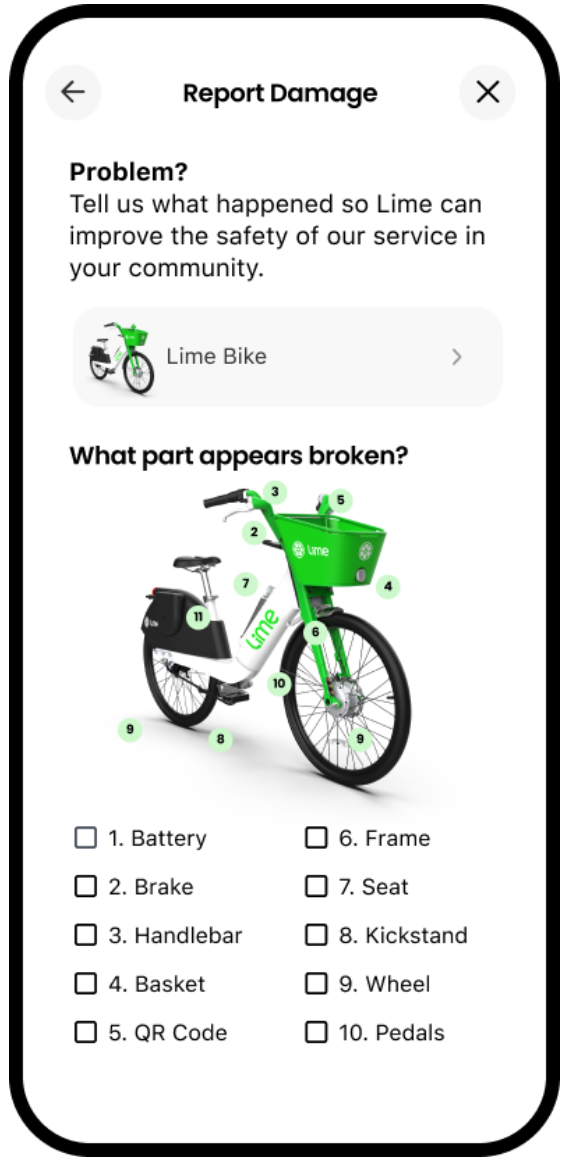




Customer Service for All

- Customer Care Integration via API
- Via the Lime app (See picture right)
- Phone (or text): 1-888-LIME-345
- Website: http://www.li.me
- Email: support@li.me
- Social: @limebike
- Law enforcement portal
- Direct to the ABQ team: help-Houston@li.me



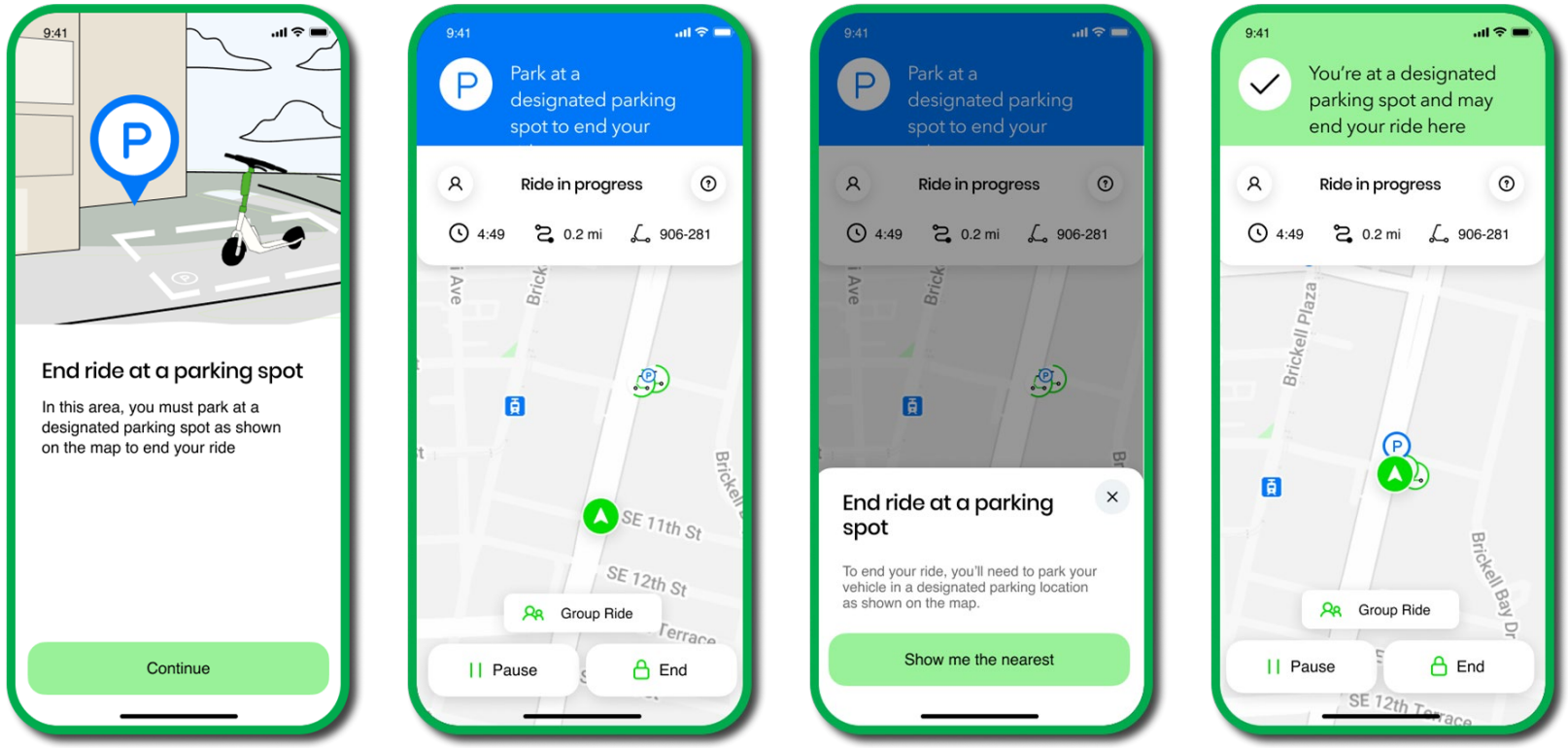


Reducing Sidewalk Clutter

Implementing a network of physical and virtual corrals

Virtual Corral Network and Ensuring Compliance

- Digital parking locations indicated in the app
- Do not require physical infrastructure
- Deployed on Day One of new permit period

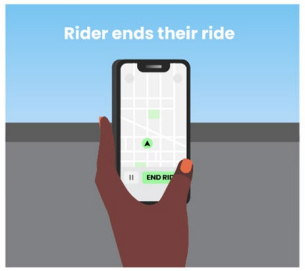


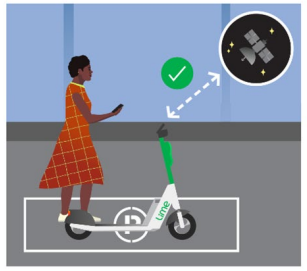
Multiple tools enable Lime to verify parking compliance.

- Multi-point Parking Check - confirms with rider's phone GPS
- Sightglass - Google Maps street view confirmation
- Mandatory end-of-trip photos
  - Reviewed by advanced AI
  - Automated rider feedback
  - Repeat offenders face fines or deactivation

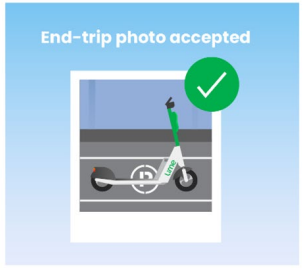


Rider approaches a parking corral





Lime verifies the scooter location

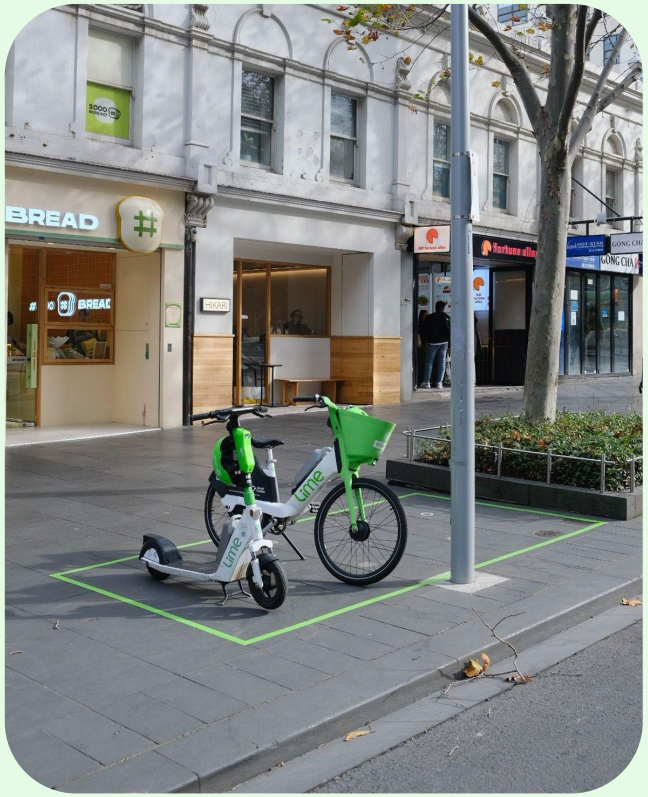


Rider prompted to take an end trip photo



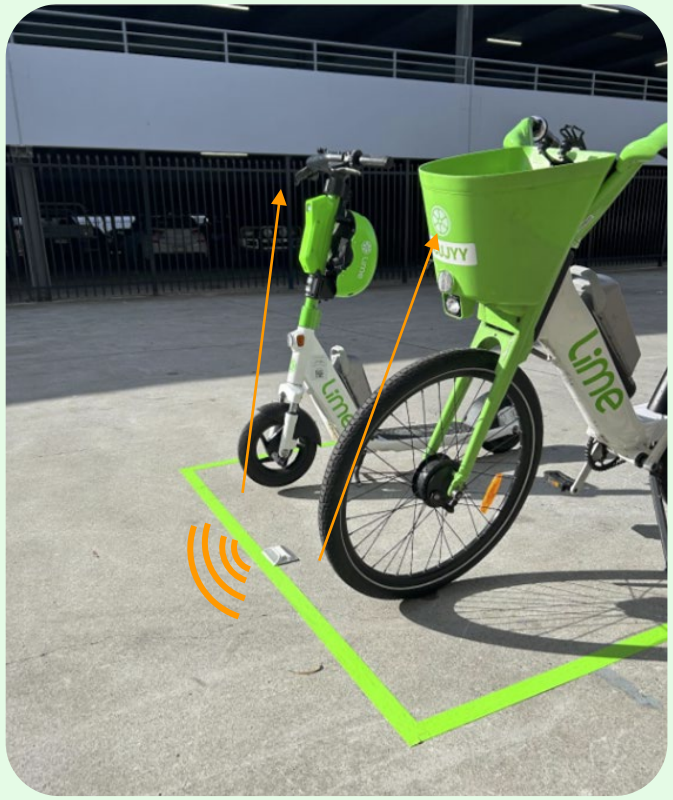


Infrastructure Investment



Lime will pay into parking infrastructure. We will provide the City with data-driven recommendations.

State-of-the-Art Technology



We use our suite of state-of-the-art technologies—notably our geofencing, GPS, AI, and bluetooth tech to ensure compliance.

24/7 Team



Our field team members use Fleet Management Platform to ensure that our vehicles meet all program placement requirements.

Parking Compliance Verification

- End-of-Ride Photos
- Rider Incentives
- Rider Education
- Enforcement



Progressive Discipline Policy

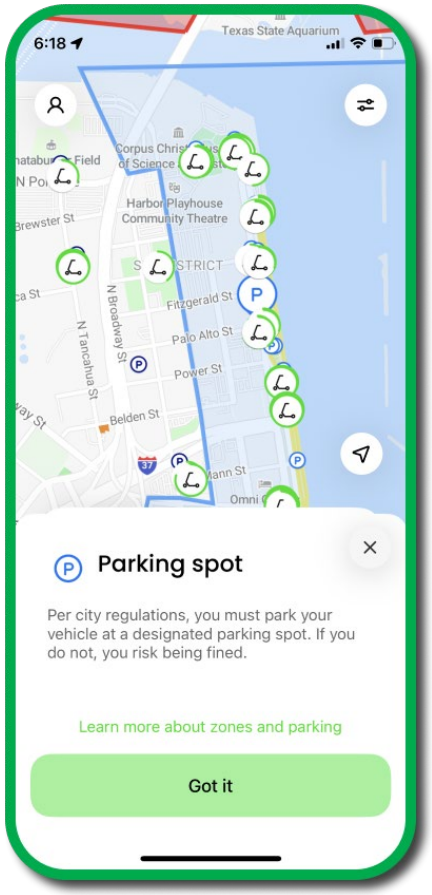
OFFENSE 1	OFFENSE 2	OFFENSE 3	OFFENSE 4	OFFENSE 5
WARNING	**WARNING**	**ESCALATED WARNING**	**1 WEEK SUSPENSION**	**PERMANENT SUSPENSION**

Rebalancing and the Operations Team

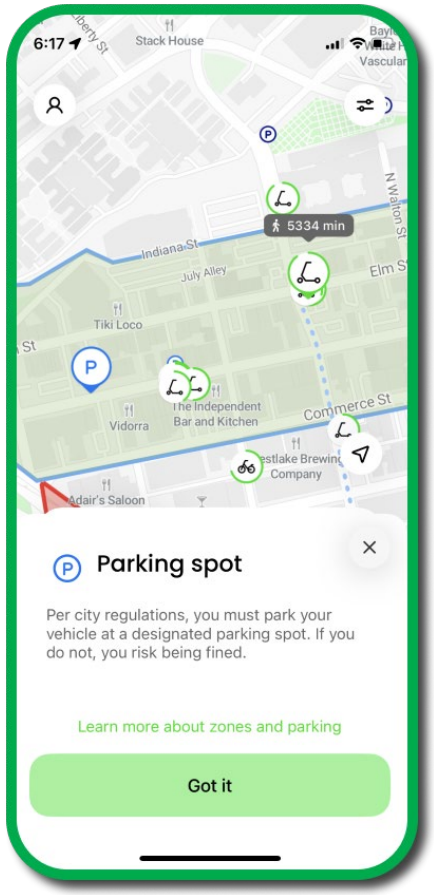
- Ensures vehicle tidiness
- Allows Lime to properly meet the demand of Houston riders
- Overcrowding Dashboard and Hotspot Optimizer
- Rebalancing 24/7/365



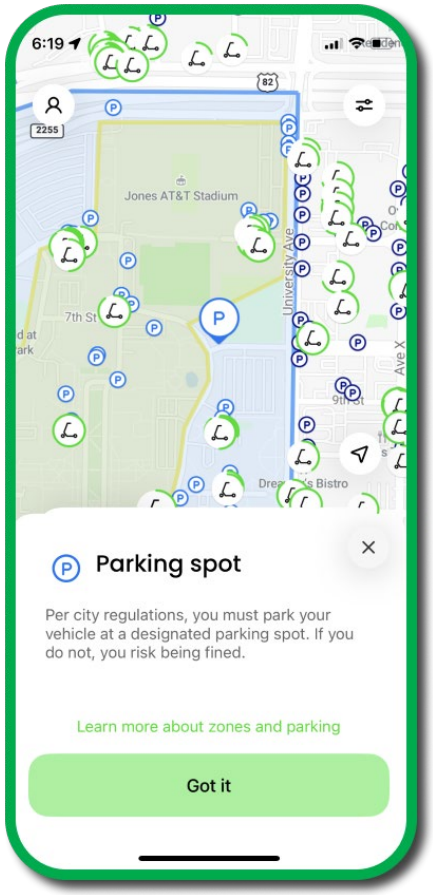
Compliance in Diverse Environments



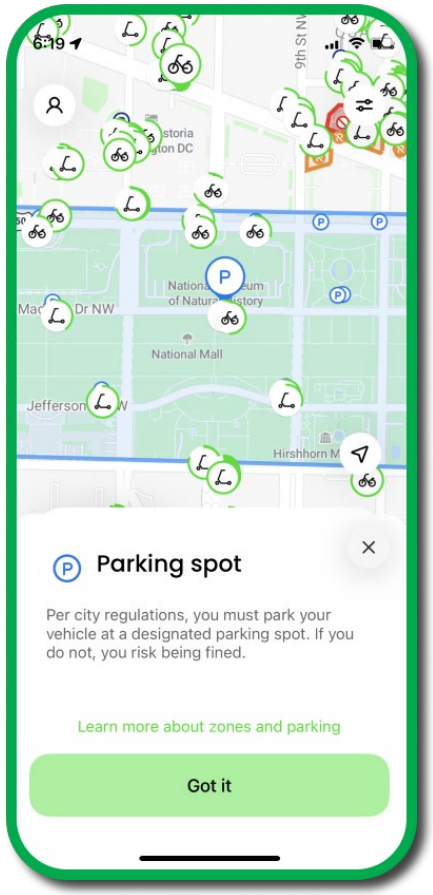
Corpus Christi
(Shoreline)



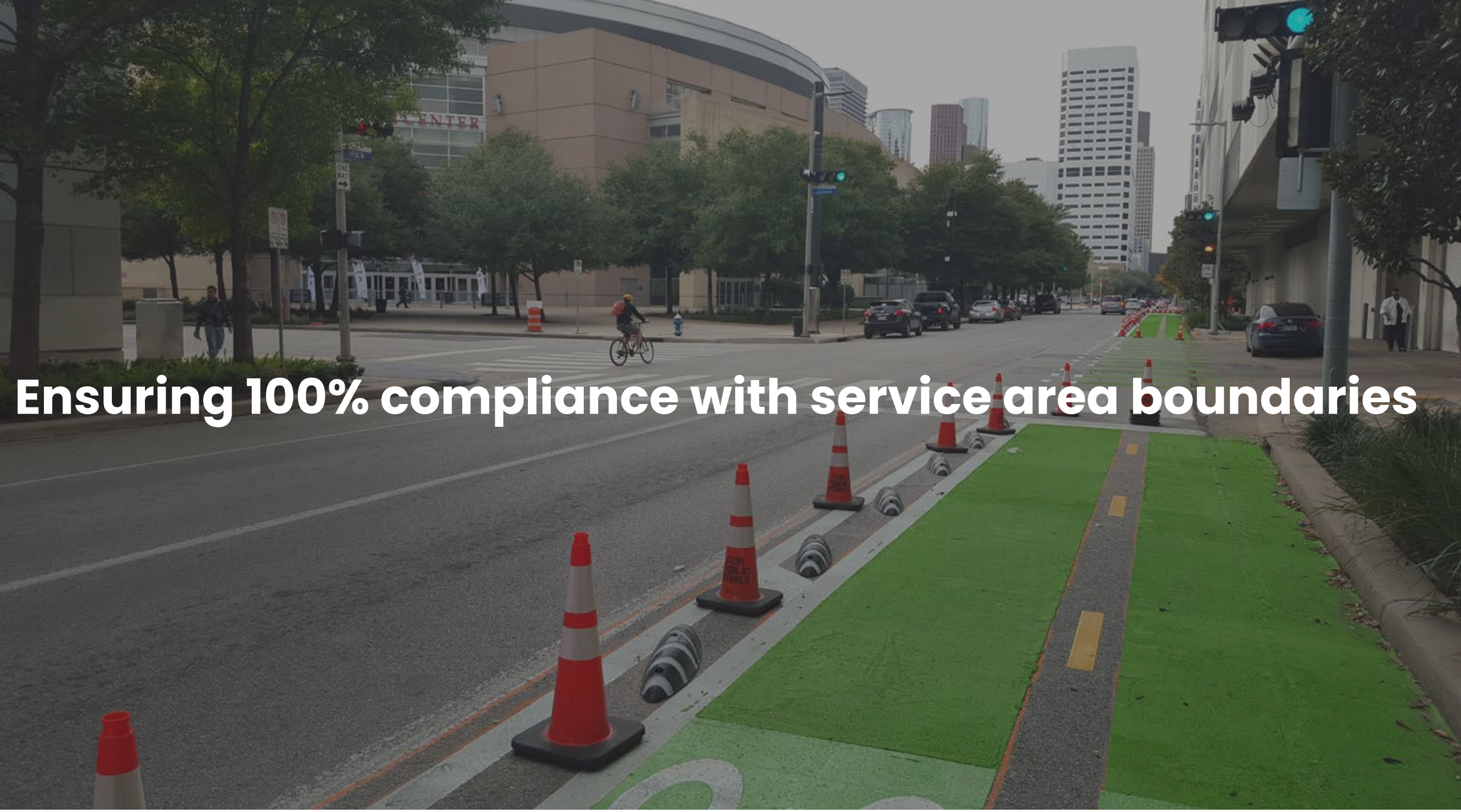
Dallas
(Deep Ellum)



Lubbock
(Texas Tech)



Washington DC
(National Mall)



Ensuring 100% compliance with service area boundaries

Large Event Operations

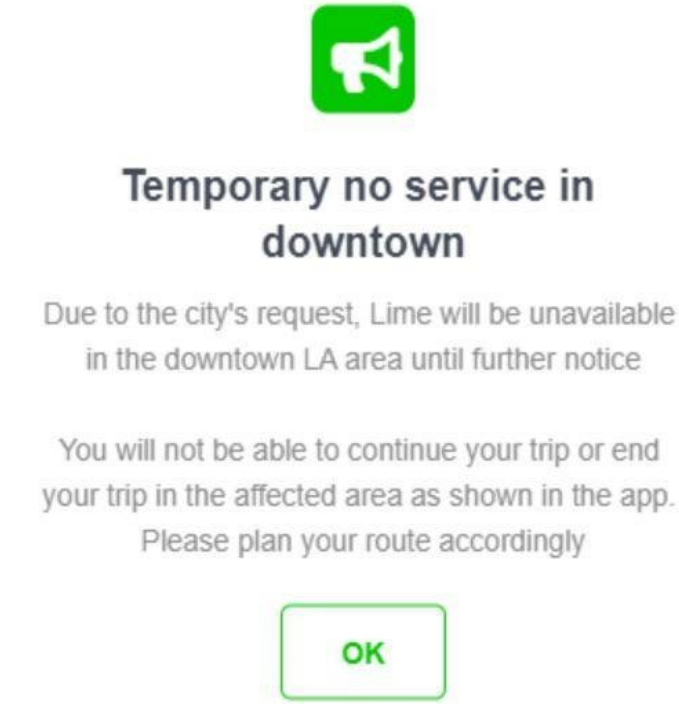
- Paris Olympics 2024
- National Football League (NFL) Draft 2024
- Rugby World Cup 2023
- Super Bowl LIII, LIV, LV, LVII
- Gasparilla Festival, Lollapalooza Festival, Taylor Swift Eras Tour, Ultra Music Festival, Delta Festival, Atlanta Jazz Festival, Festival Marsatac
- The Funeral of Queen Elizabeth II
- K-Days, Fringe Festival, Canada Day Fireworks, Folk Festival
- EDC Festival, Citrus Bowl, Come Out With It Pride Parade, Monster Jam, Blake Shelton Concert, Orlando City Soccer Club games, Best Damn Race
- US Pride Celebrations
- London Pride Celebrations

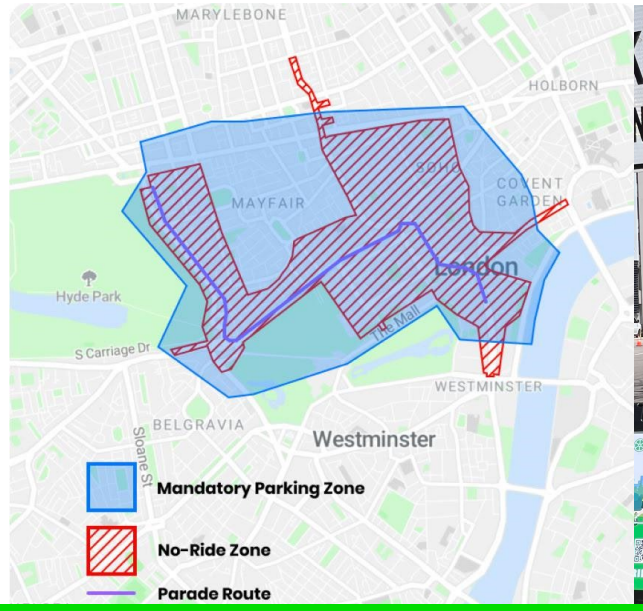


What We Do

- Flex Number of Vehicles and Employees Up or Down
- Use of Small Vehicles/Valet to Rebalance Vehicles
- Geofence Special Operations Areas
- Communications in-App
- Partnership with Local Communities to Ensure Safety
- We have vast experience with inclement weather
  - Flooding
  - Tropical Storms
  - Hurricanes










Thank you.

Hermann Park Conservancy Update

Cara Lambright
Hermann Park Conservancy

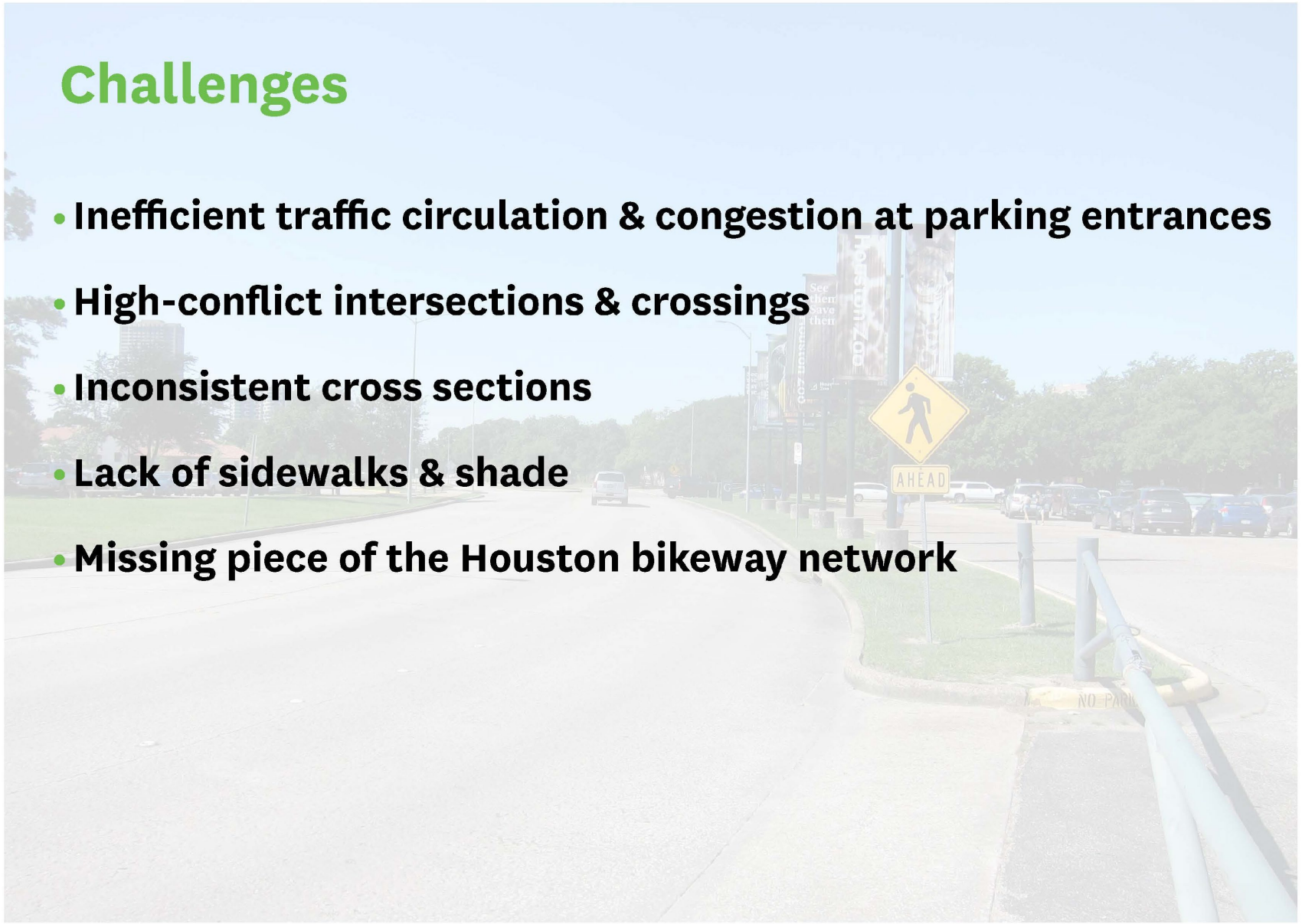

HERMANN PARK
CONSERVANCY

Goals

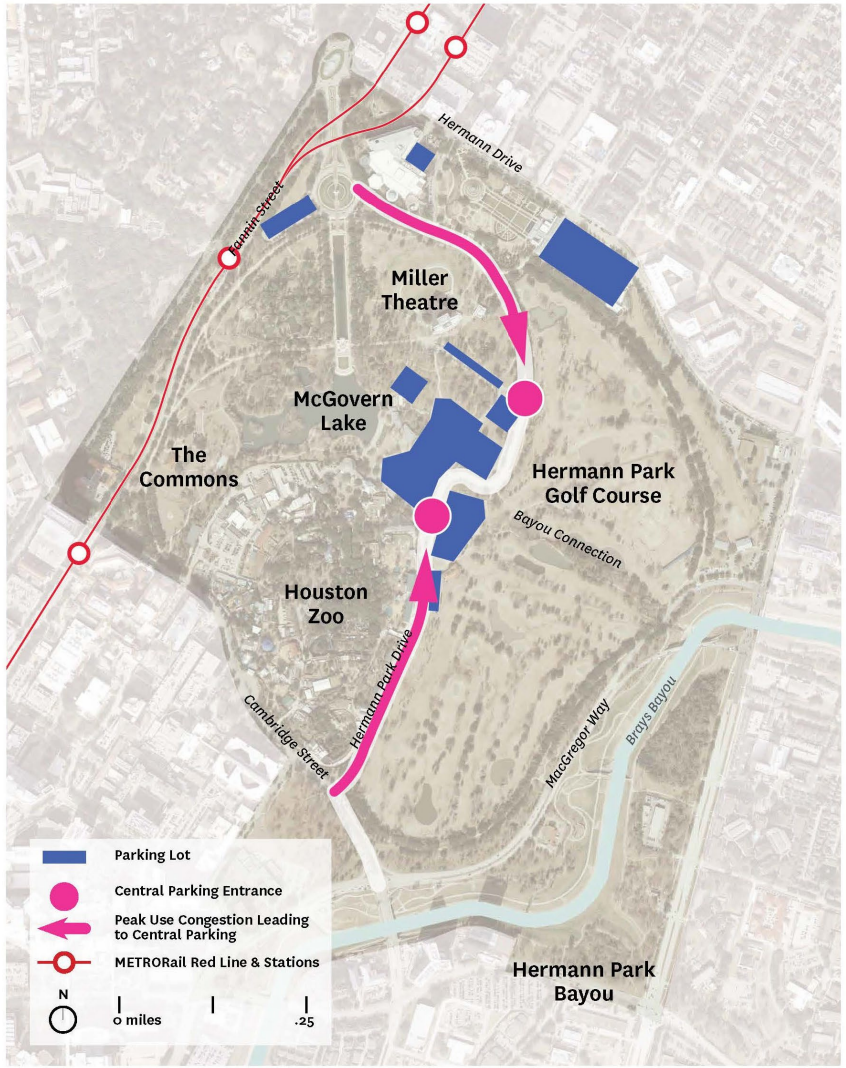
- Create a **safe, clear, and welcoming experience for all visitors** no matter their mode of arrival
- Enhance **connections to adjacent neighborhoods** and destinations
- Strengthen the Park's **network of paths** for people walking and running
- Build a **dedicated bikeway network** that ties the Park to the growing city bikeway and trail system
- Make the vehicular experience of Hermann Park Drive **clearer and more cohesive** with expanded opportunities for drop-offs

Challenges

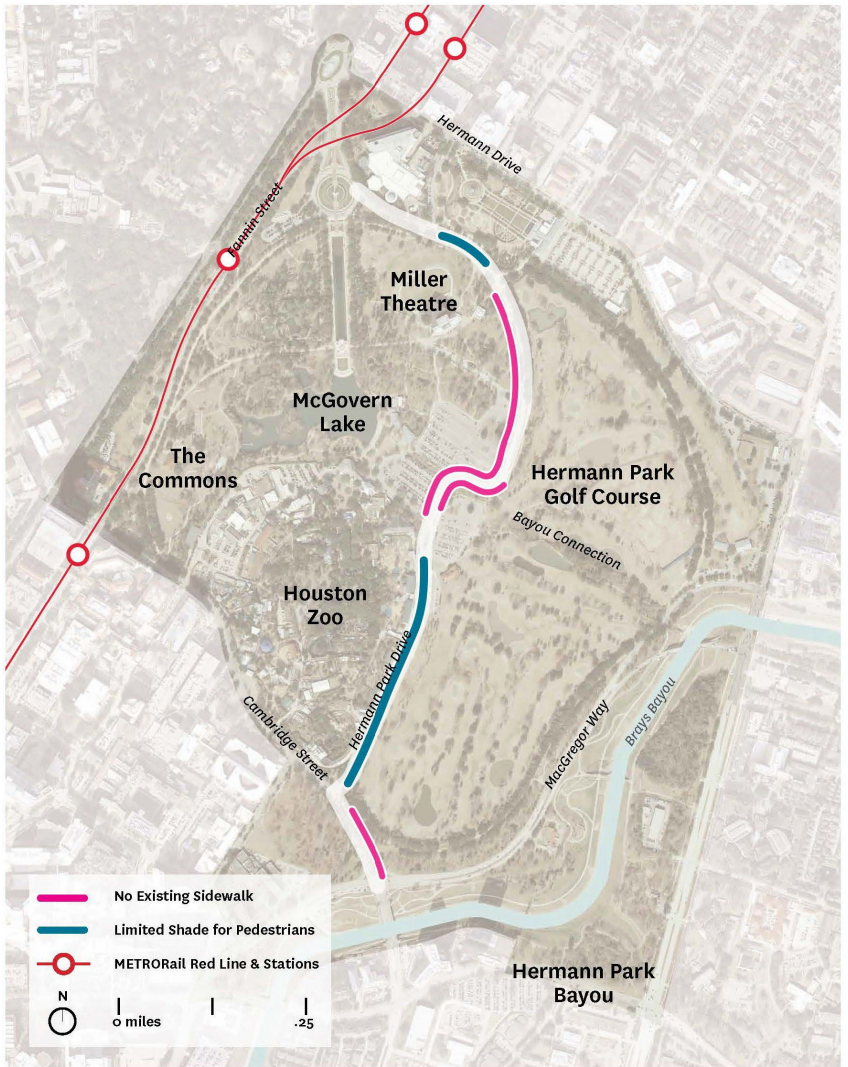
- Inefficient traffic circulation & congestion at parking entrances
- High-conflict intersections & crossings
- Inconsistent cross sections
- Lack of sidewalks & shade
- Missing piece of the Houston bikeway network



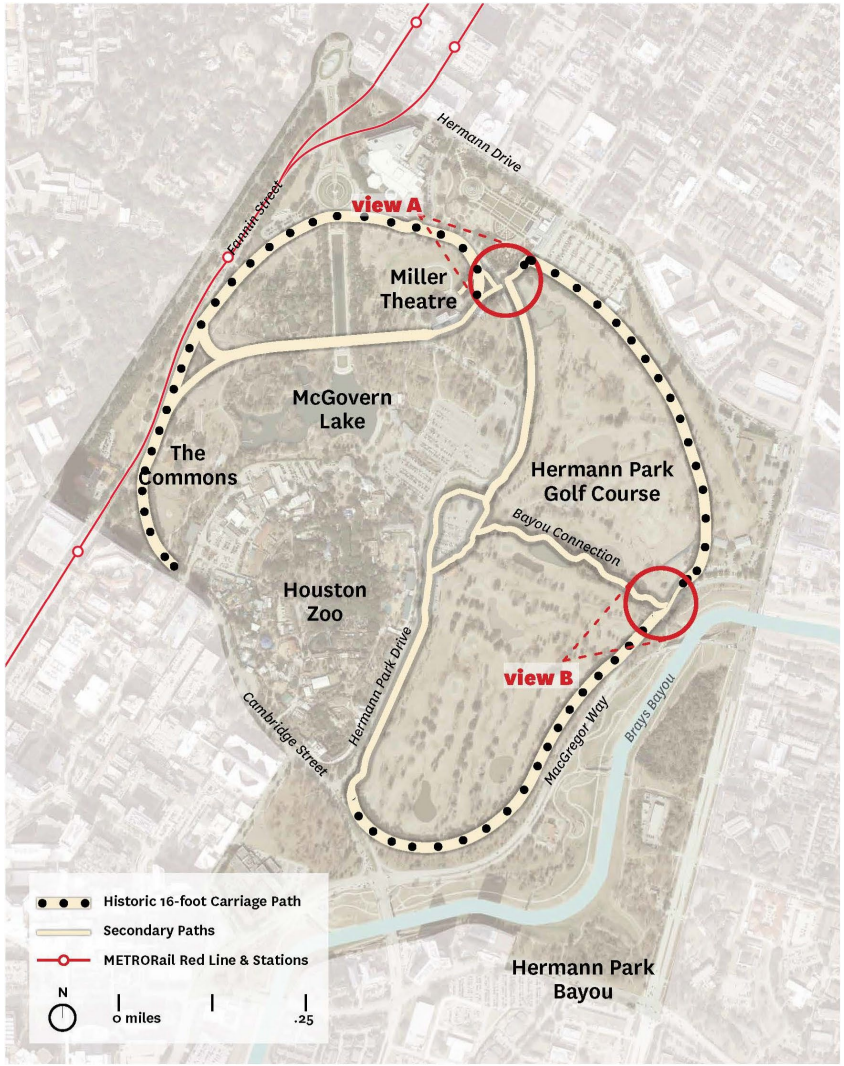
Inefficient Traffic Circulation



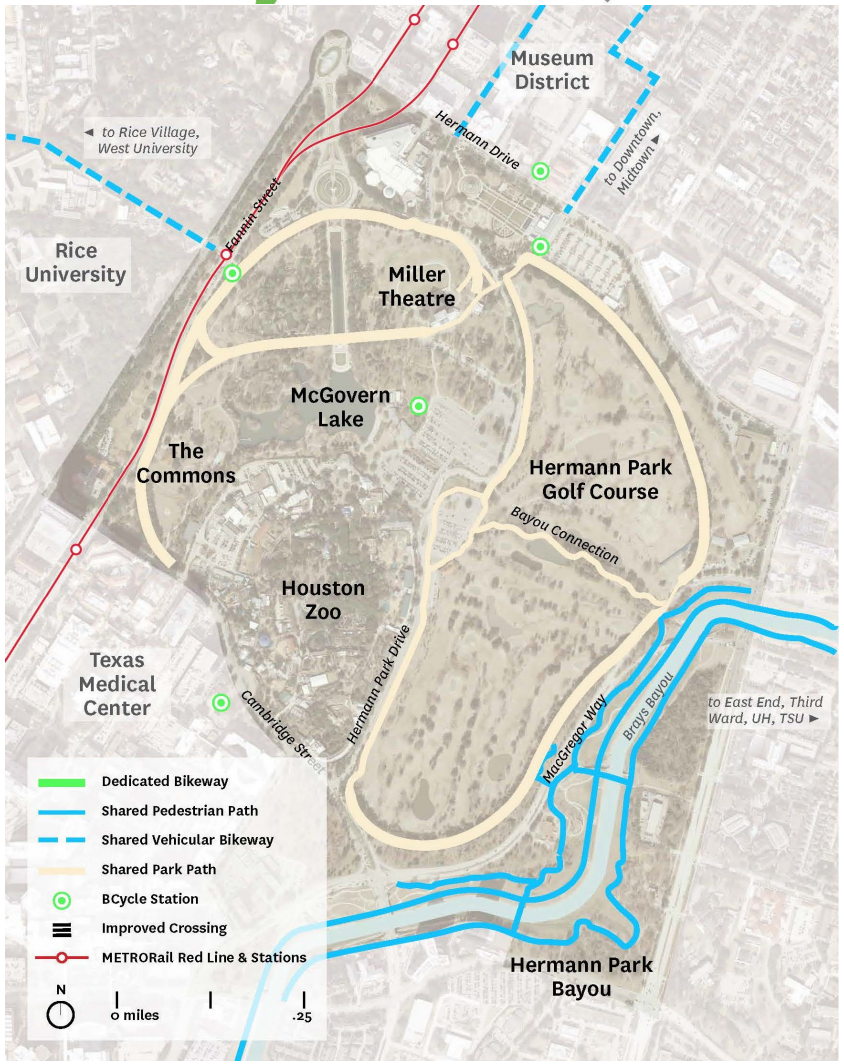
Lack of Sidewalks and Shade



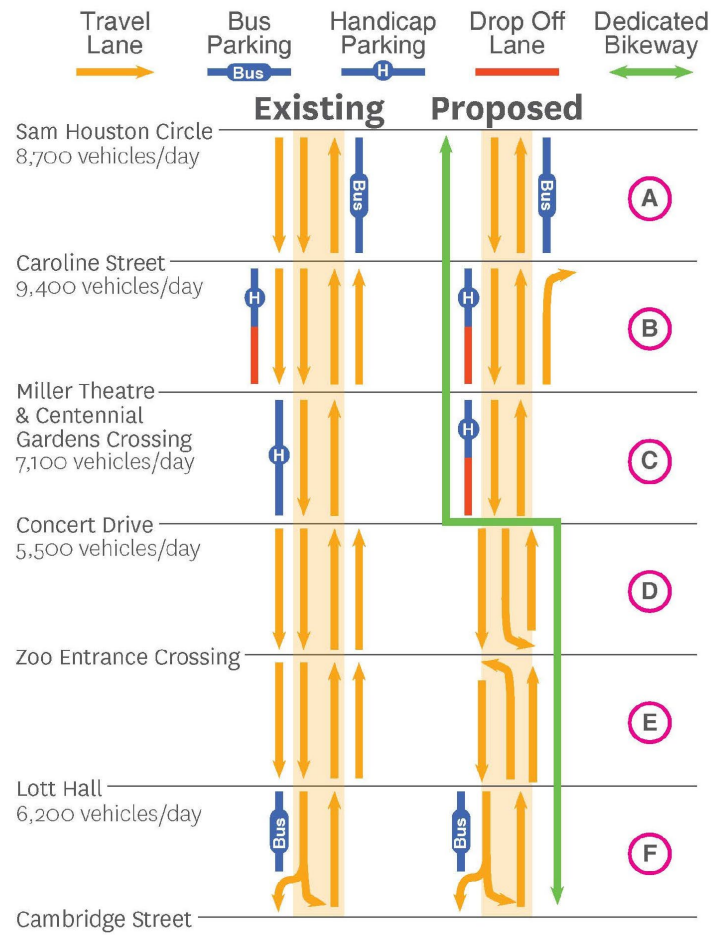
Interrupted Pedestrian Network

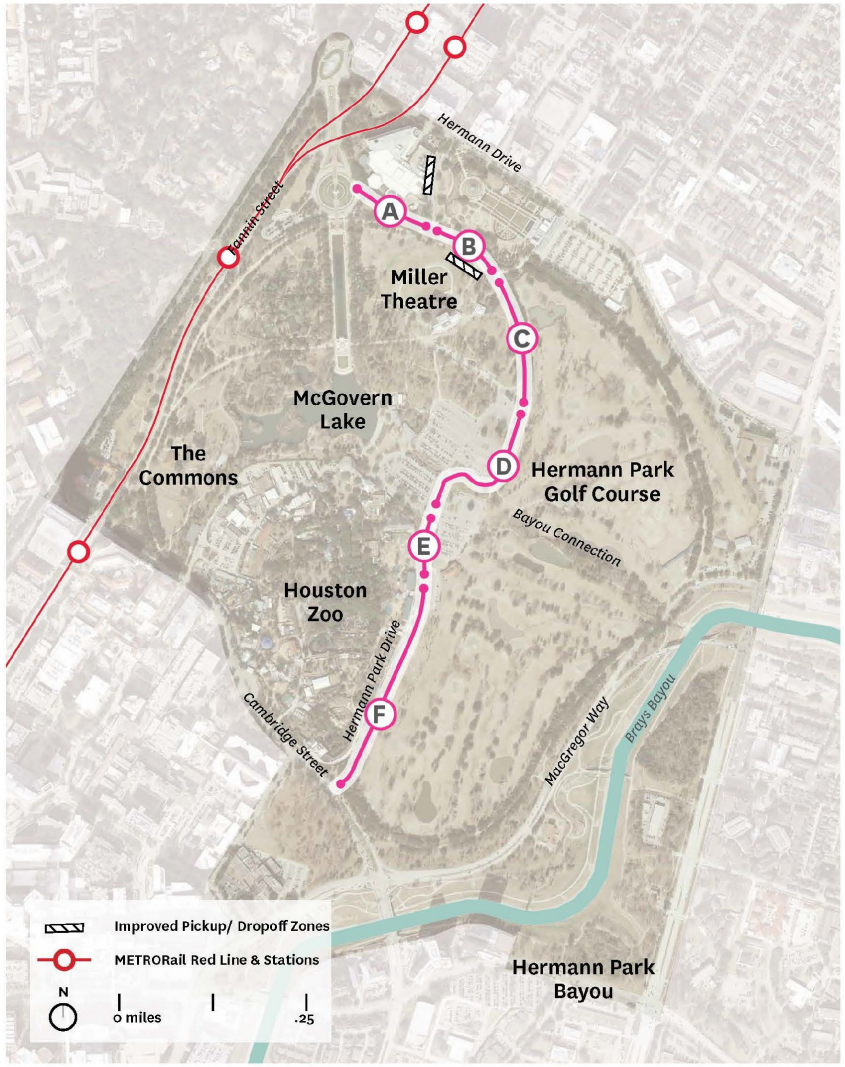


Missing Piece of the Bikeway Network



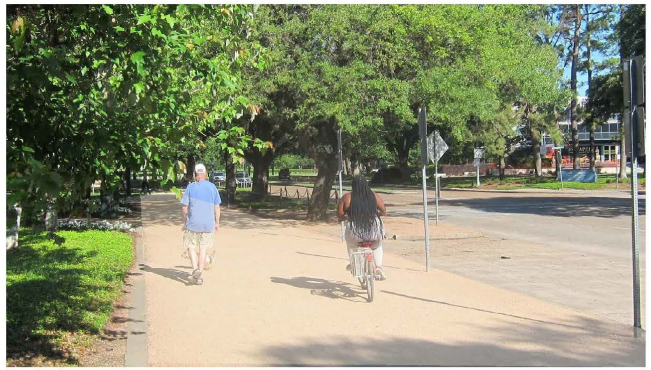
Rethinking Hermann Park Drive





A Completed Bikeway Network

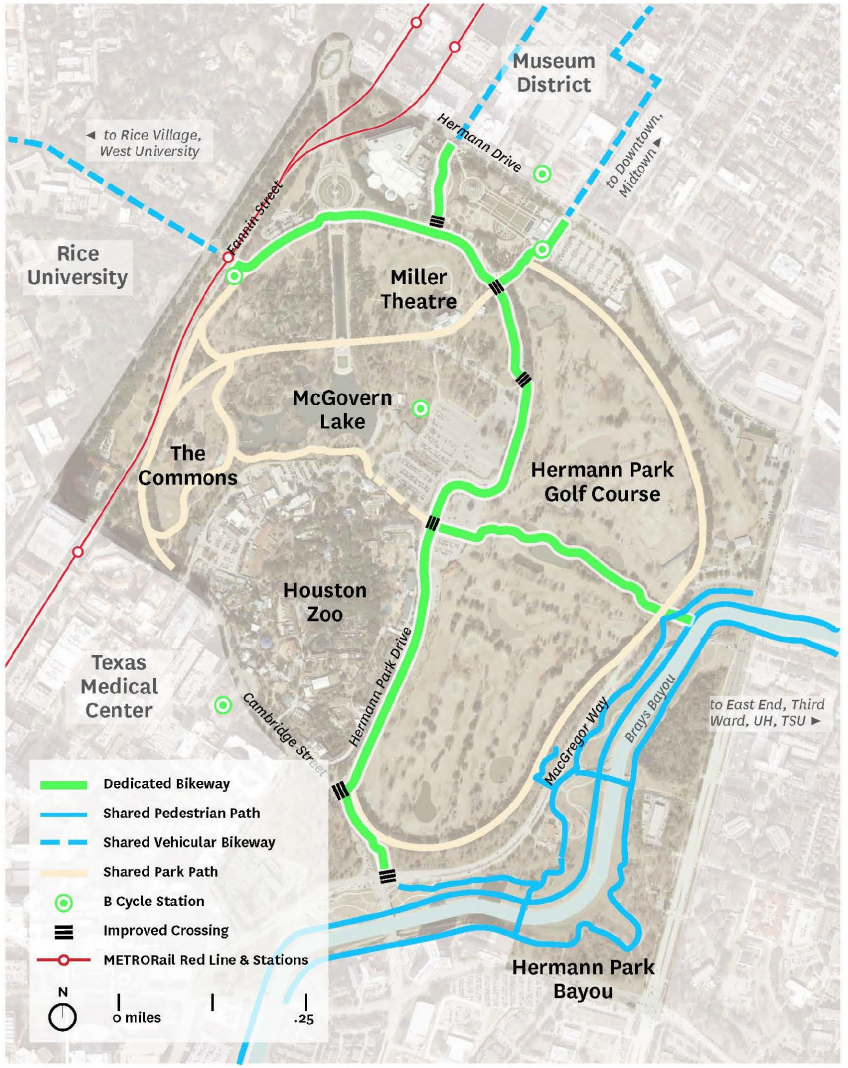
Safe Cycling Connections - Slow & Fast

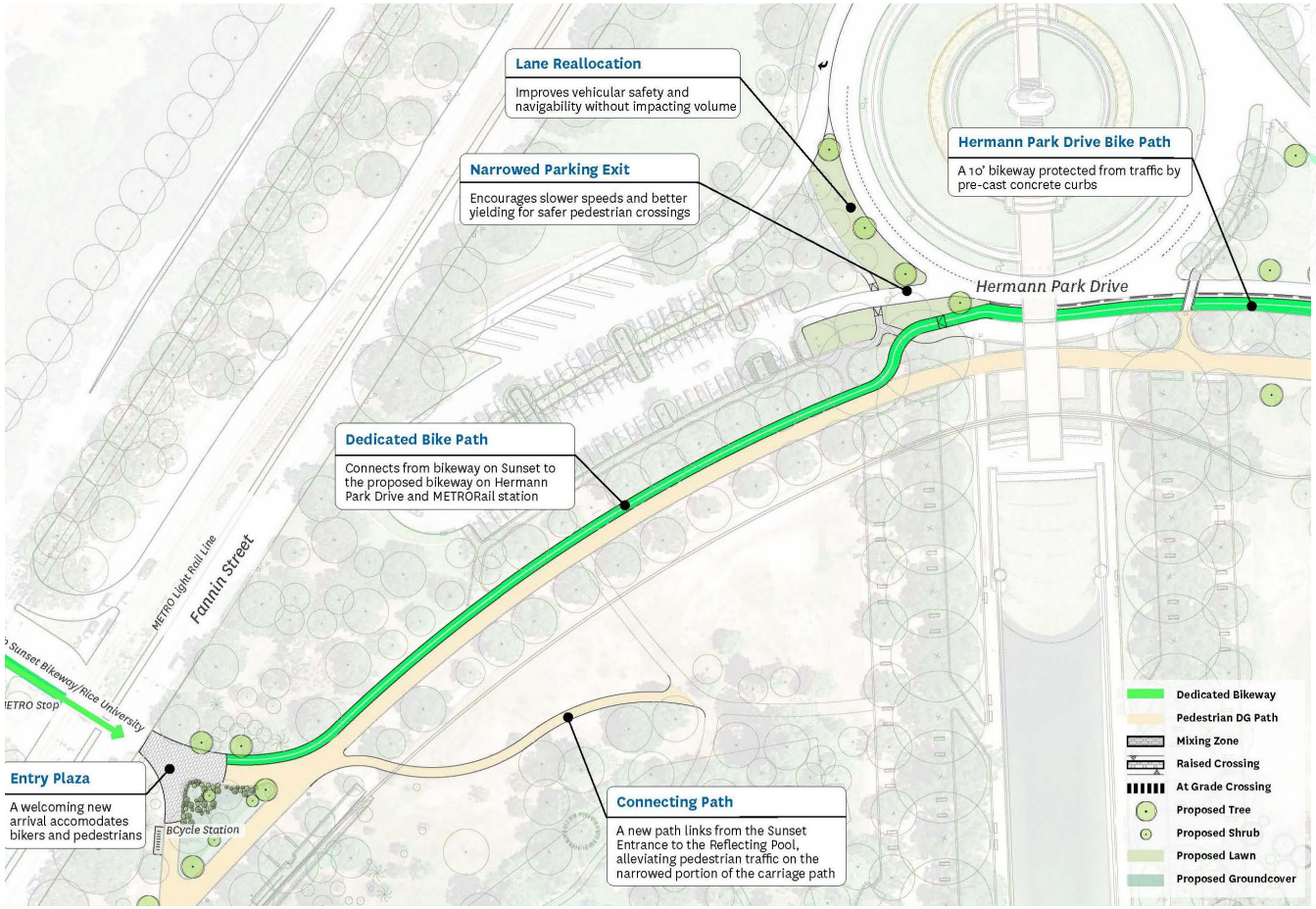


Existing - Shared-Use Carriage Path

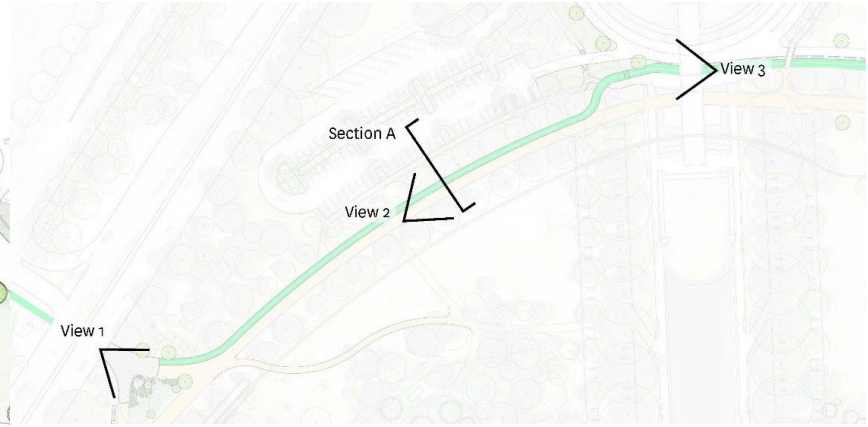


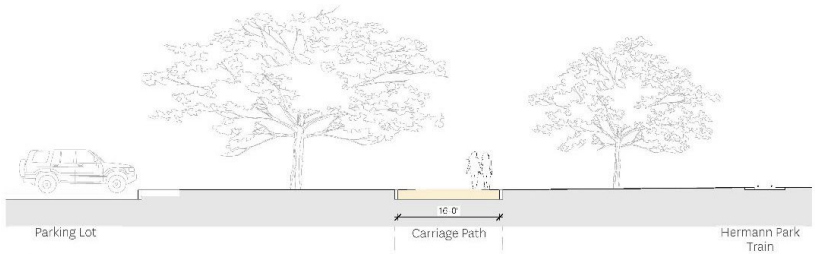
Proposed - Dedicated Bikeway





HERMANN PARK BIKEWAY CONNECTION TO LARGER BIKE NETWORK AT SUNSET





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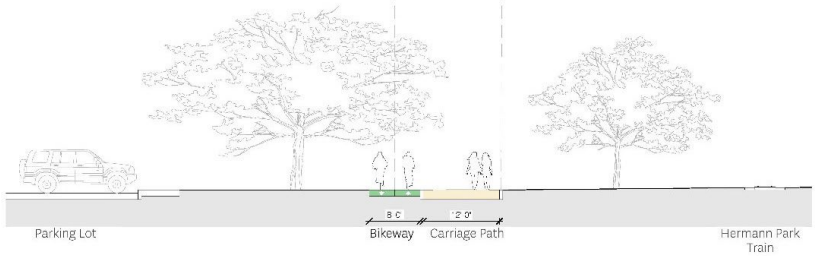

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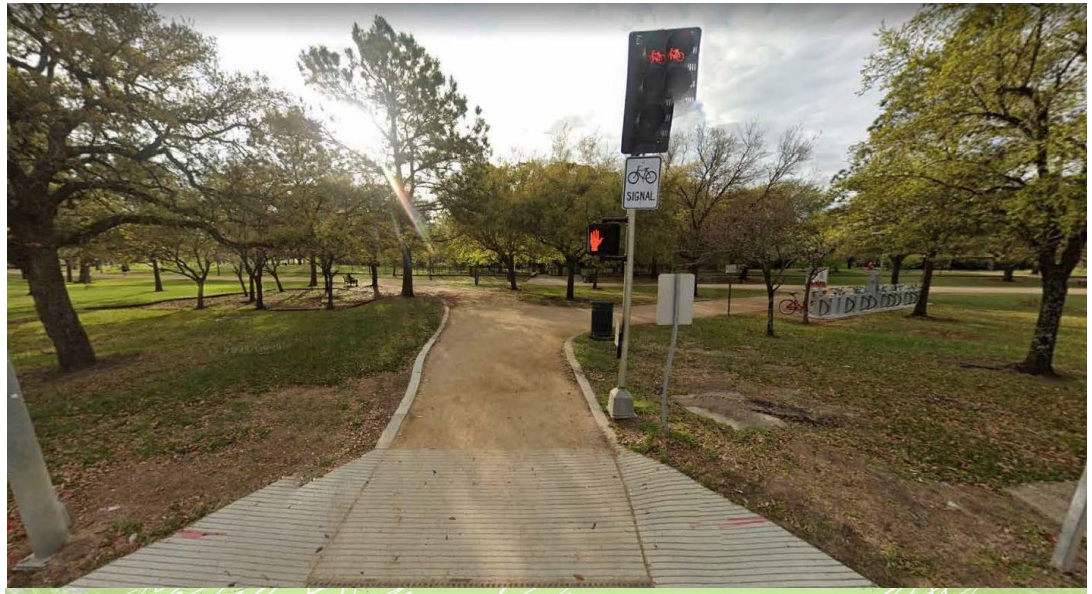
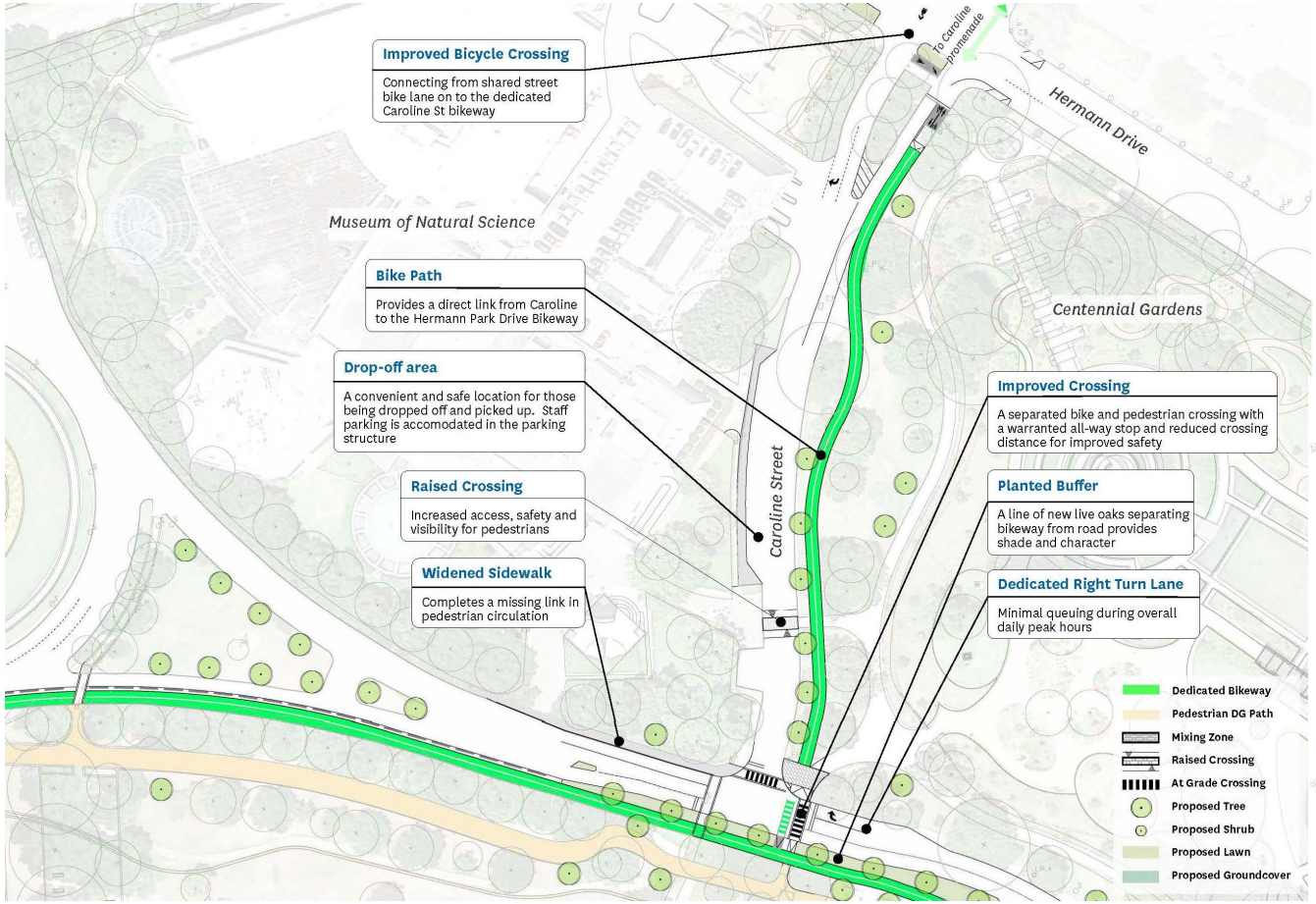


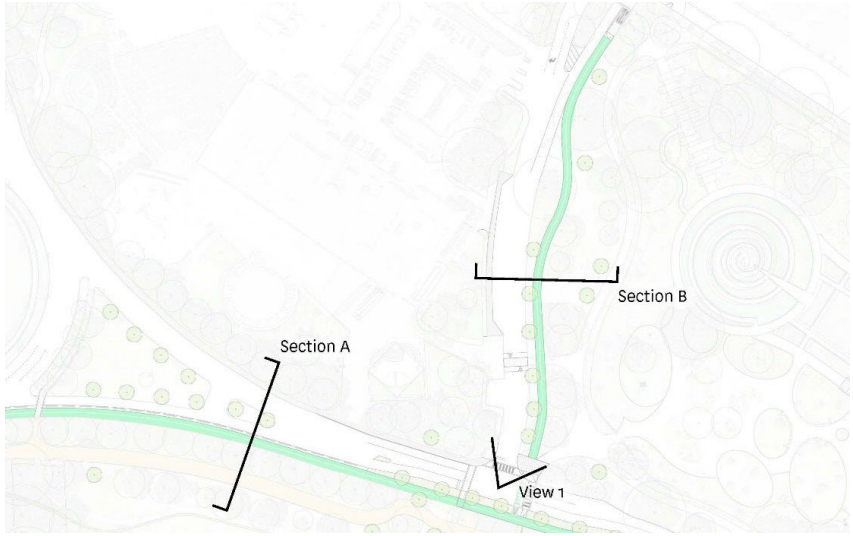


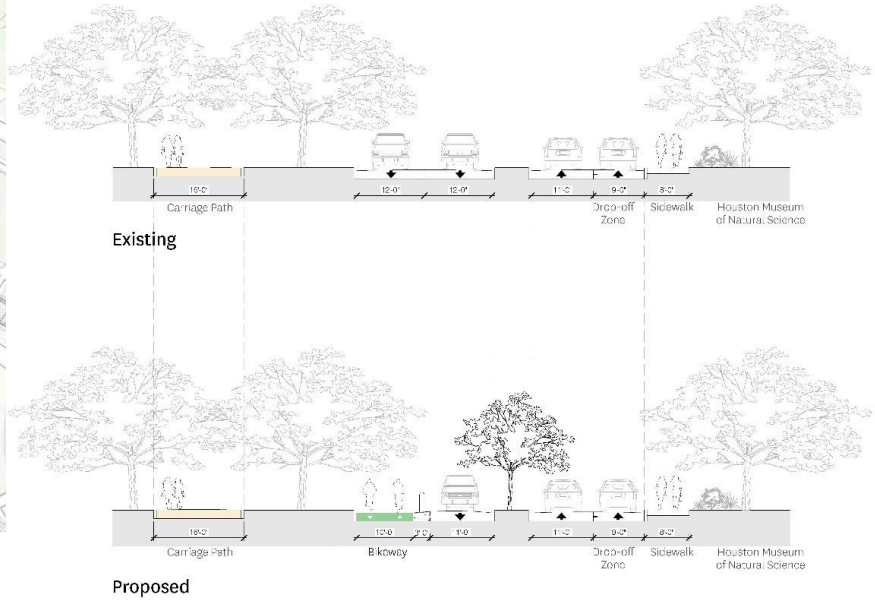




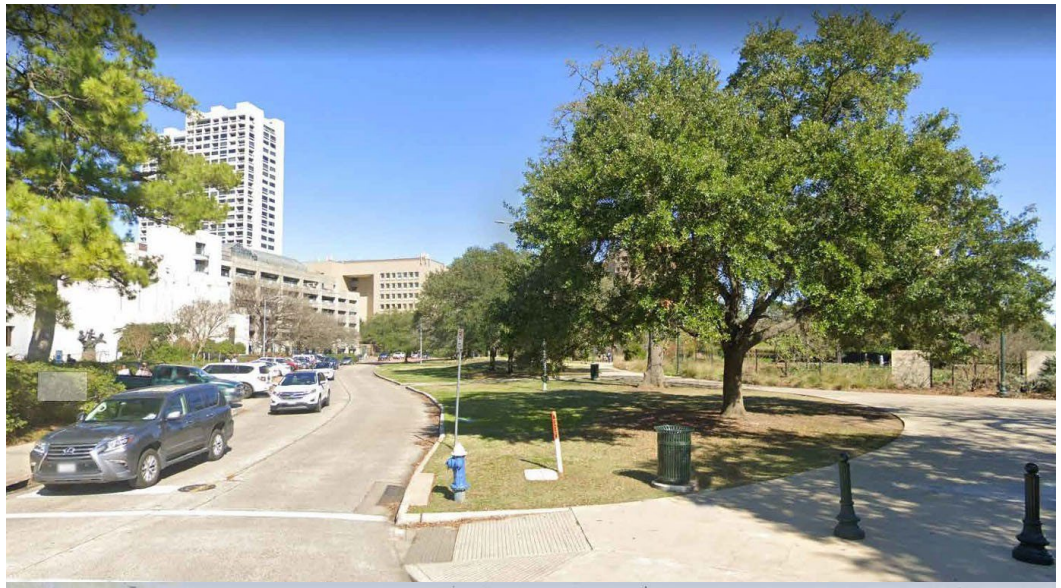
HERMANN PARK BIKEWAY CONNECTION TO LARGER BIKE NETWORK AT SUNSET







HERMANN PARK BIKEWAY CONNECTION AT CAROLINE STREET
MARVIN TAYLOR TRAIL IMPROVEMENTS



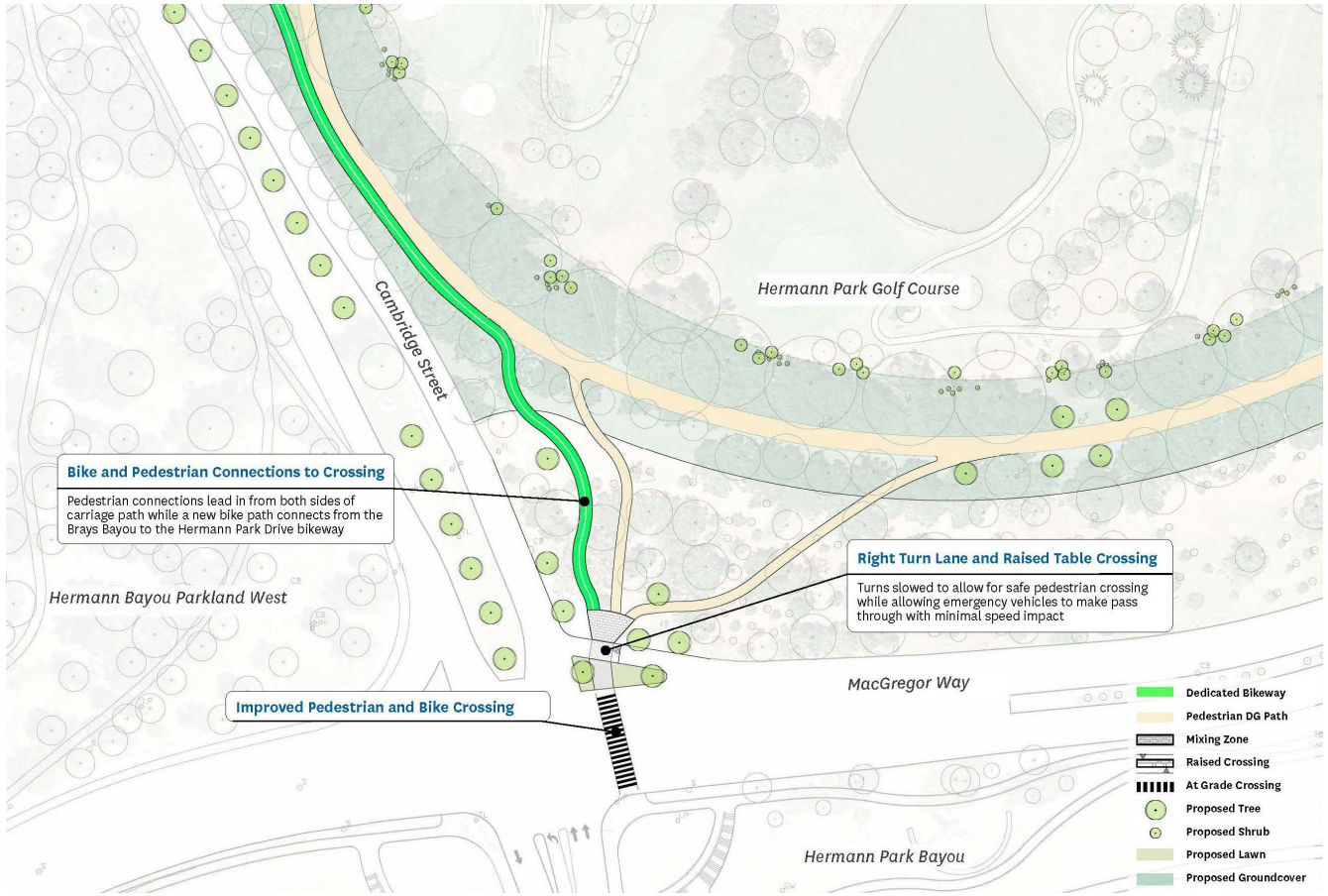


HERMANN PARK BIKEWAY CONNECTION AT CAROLINE STREET



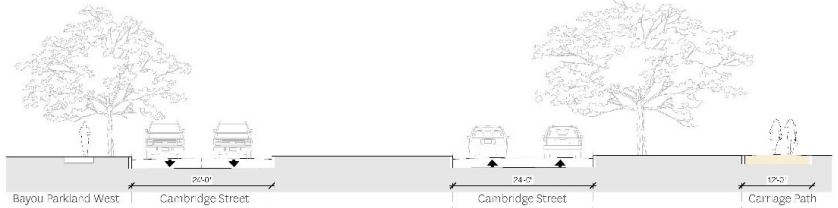


MARVIN TAYLOR TRAIL IMPROVEMENTS



TRAILS CONNECTIONS TO BRAYS BAYOU TRAILS - MACGREGOR AT CAMBRIDGE





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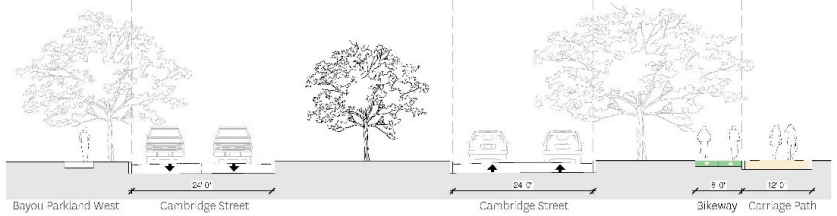
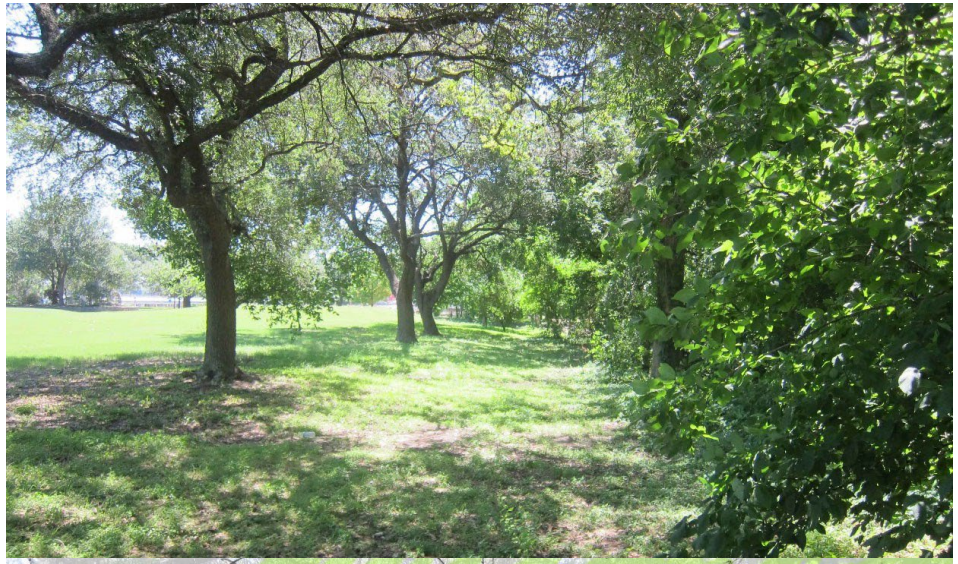


Proposed









TRAILS CONNECTIONS TO BRAYS BAYOU TRAILS







GREENWAY TRAIL CONNECTION TO BRAYS BAYOU TRAILS -
MACGREGOR UNDERPASS

HERMANN PARK
CONSERVANCY

Discussion: Upcoming Legislative Session

Quarterly Updates

Bikeway Fatalities and Serious Injuries Year-to-Date

Bikeway Project Updates

No Parking in the Bike Lane Updates

No Parking in the Bike Lane

As of October 14, 2024:

- 330 citations issued (+20)
- $23,245 collected (+$1,245)
- 38 completed trainings (+2)
- 6 new locations since last report

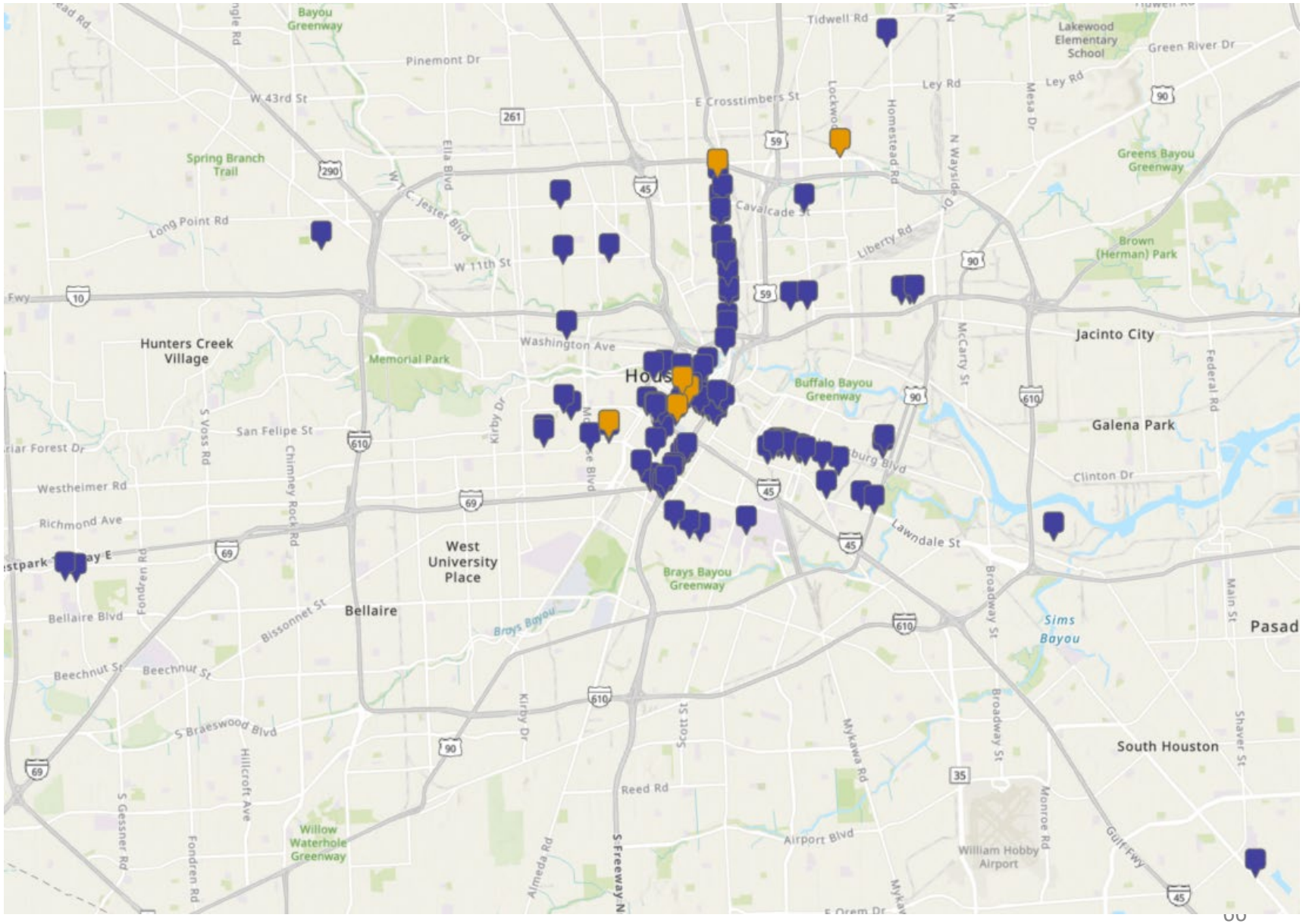
No Parking in the Bike Lane

Top 3 Locations:

- 9100 Galveston Rd (39)
- 2300 Polk St (36)
- 900 Bastrop St (24)

6 New Locations:

- 1200 Austin St (4)
- 1800 Austin St (2)
- 5500 Hardy Rd (2)
- 1100 Lamar St (1)
- 2800 Taft St (1)
- 5300 Kelley St (1)



Agenda

1. ~~Director's Report~~
2. ~~Chair's Report~~
3. ~~Approval of July 2024 Minutes~~
4. ~~Public Comment~~
5. ~~Update on the Proposed Patrick Walsh Bike Path Naming~~
6. ~~Lime Bike and Scooter Share~~
7. ~~Hermann Park Conservancy Update~~
8. ~~Discussion: Upcoming Legislative Session~~
9. ~~Quarterly Updates~~
    a) ~~Bikeway Fatalities and Serious Injuries Year-to-Date~~
    b) ~~Bikeway Projects~~
    c) ~~No Parking in the Bike Lane~~
10. Open Forum
11. Announcements

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

Open Forum

Announcements and Events

Announcements

Next Meetings

- **Infrastructure Subcommittee**: November 20, 2:00-4:00pm: John B. Raia Conference Room/Microsoft Teams

- **Education Subcommittee**: , December 18, 2:00-4:00pm: John B. Raia Conference Room/Microsoft Teams

- **Bicycle Advisory Committee**: January 22, 2:30-4:30pm: Council Chambers* **(In-Person Only)**

Thank You

PLANNING & DEVELOPMENT DEPARTMENT

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