



Building Safer and More Friendly Streets:

Lessons from Lime Data on Infrastructure, Safety,
and Transit Access



The Importance of Data...



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BENCHMARKING REPORT

Bicycling and Walking in The United States

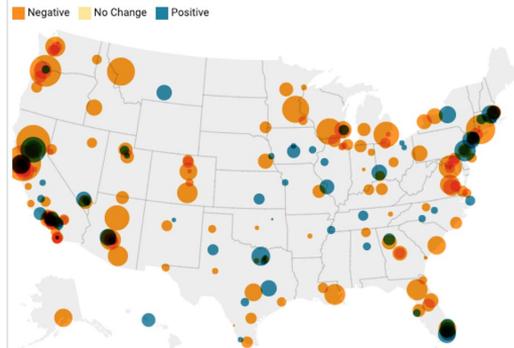
The League's Data Hub provides ongoing and updated data on bicycling and walking in the United States.

On this website, we invite you to explore data on bicycling and walking and use that data to support your efforts to improve bicycling and walking. Whether your interest is related to safety, commuting, public health, or policy we have data that can provide context and comparisons for your community.



Changes in Bike Commuting

This map shows the differences between rates of biking to work in census designated places that have a 2022 1-year estimate for bike commuting. For instance, Philadelphia's rate of biking to work went from 2.1% of commuters to 2.3% percent - for a difference of .2 percentage points.



This map compares rates of biking to work from the 2019 5-year estimate and 2022 1-year estimate from the American Community Survey, based on the B08006 table.

Map: The League of American Bicyclists • Source: Census Bureau • [Get the data](#) • [Download image](#) • Created with [Datawrapper](#)

data.bikeleague.org



Overarching Goals of the Mobility Insights Competition

“Lime and the League of American Bicyclists are partnering to host the second annual Mobility Insights Competition, with the goal of assisting cities to **leverage Lime's extensive data to address transportation challenges and enhance safety for all road users.**”

The Mobility Insights Competition is open to U.S. communities that are both a Lime city and a Bicycle Friendly America awardee or applicant.

Selected communities are provided with:

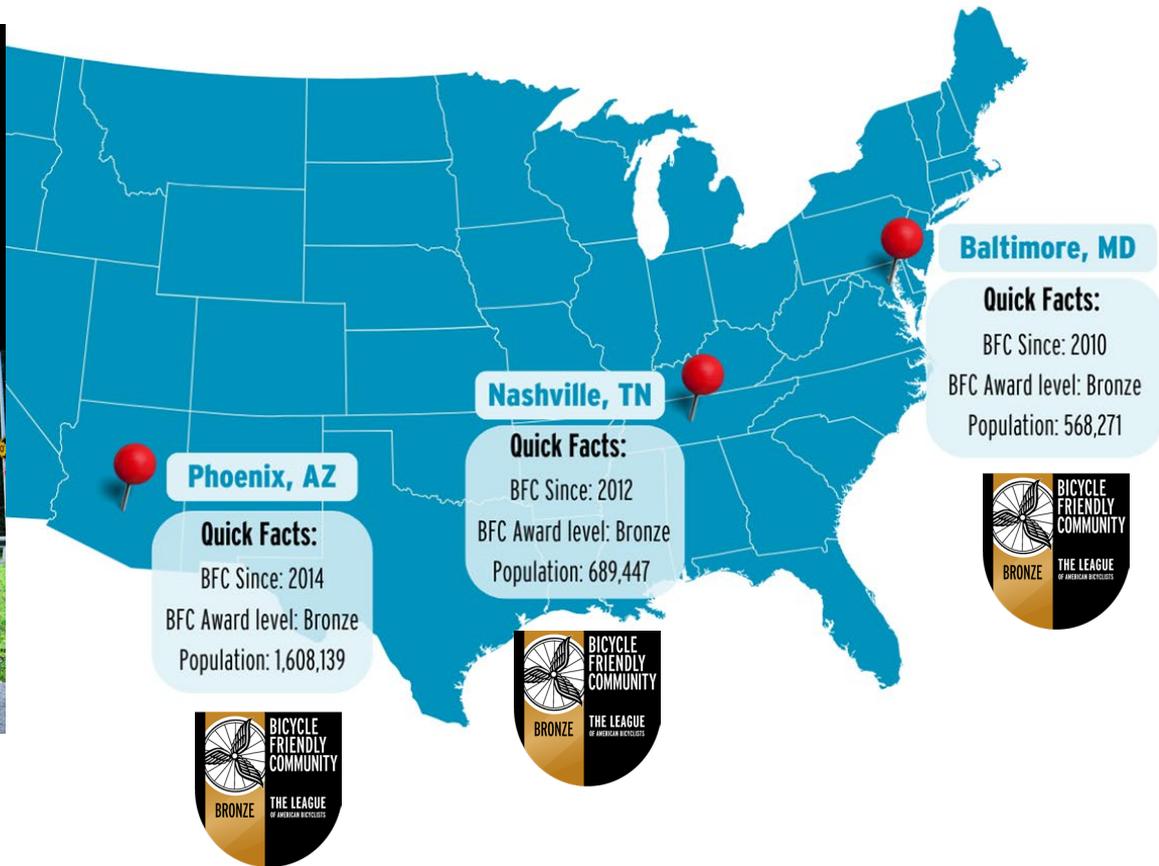
- **Access to extensive datasets:** Access to Lime's wide array of travel, safety, and survey data.
- **Expert collaboration:** Collaboration with Lime's in-house planning and research experts.
- **Tailored solutions:** Custom report, designed to address cities' specific needs and challenges.
- **Opportunity to showcase work:** Chance to share successes and lessons learned with a broader audience, underlining the commitment to sustainable mobility.



2025 Mobility Insights Competition



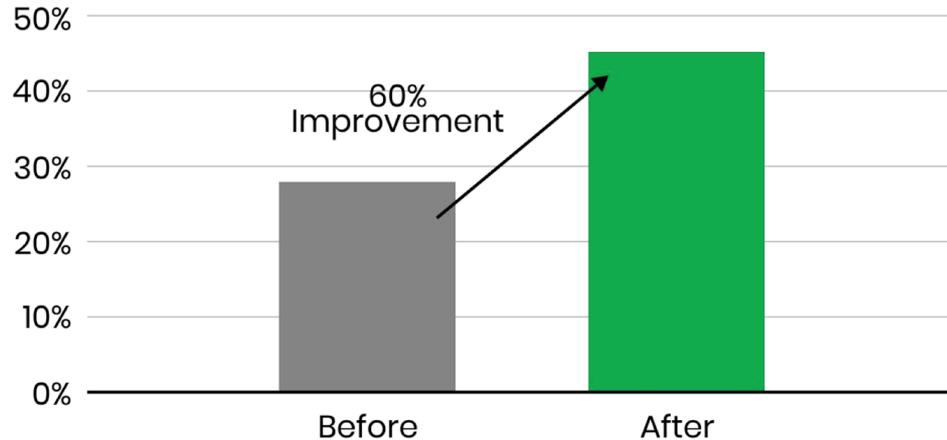
CONGRATULATIONS TO
THE WINNERS OF THE 2025
MOBILITY INSIGHTS COMPETITION:
**NASHVILLE, PHOENIX,
AND BALTIMORE!**



What We Learned in 2024 - Washington DC

Investing in parking corrals improves parking outcomes

TRIPS ENDING AT PARKING CORRAL IN WASHINGTON, DC, BEFORE AND AFTER INSTALLATION



Riders strongly prefer bike lanes

- Streets with new bike lanes saw a 2x greater increase in trips than streets with no bike lane

Bike lanes provide safety benefits

- The rate of rider-reported safety incidents per trip fell by 39% between 2021 and 2024, while Lime trips on bike lanes increased by 38%.



Report Topics and Research Questions

Bike lanes:

- Do shared micromobility riders show a preference for bike facilities?

Safety:

- How are safety outcomes being impacted by infrastructure? Are we seeing improvements related to bike facility investments?

Transit:

- How does shared micromobility complement existing transit networks? How do riders use shared micromobility in combination with public transit?



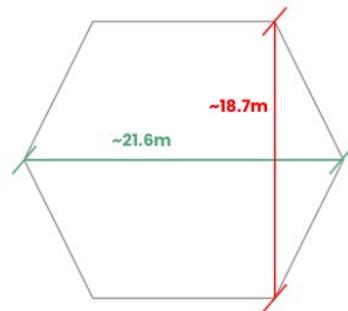
Methods

- Collect road networks, bike infrastructure, and transit station data from cities.
- Combine Lime trip and reported incident data.
- Analyze travel patterns and safety outcomes compared to city infrastructure.



Bike infrastructure, trip route, and safety incident data was combined at the H3 grid cell resolution 12 below.

Incident rates were developed for roads with and without bike infrastructure.

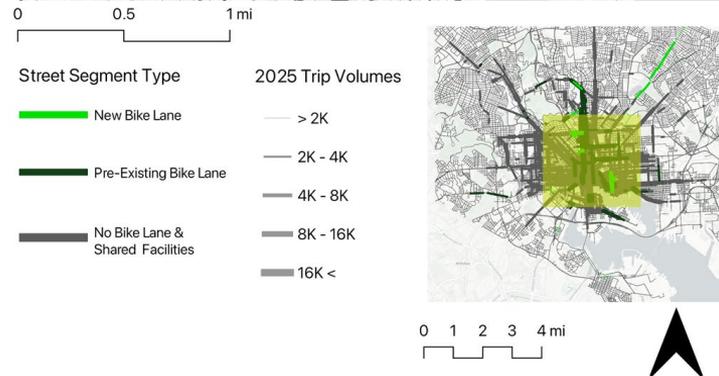
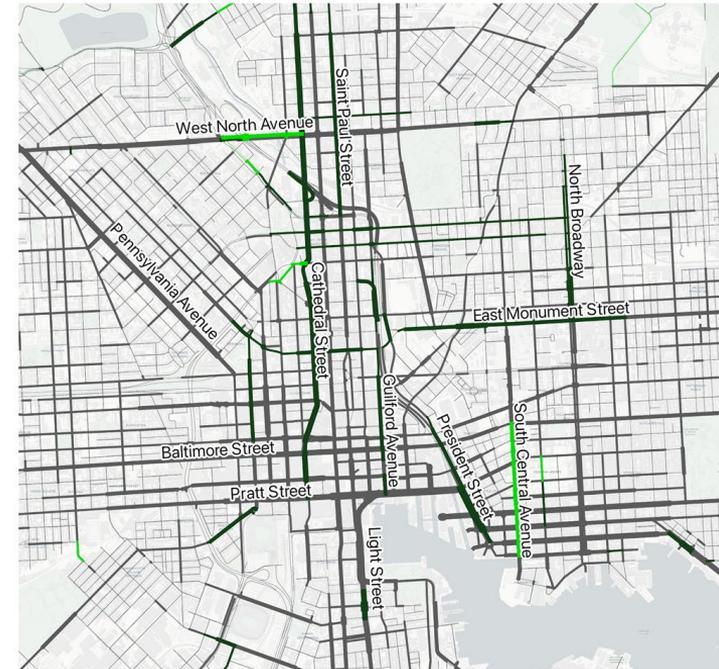
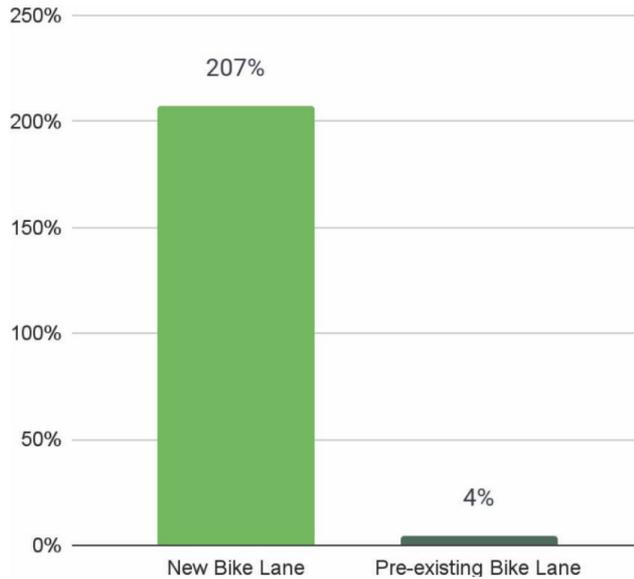


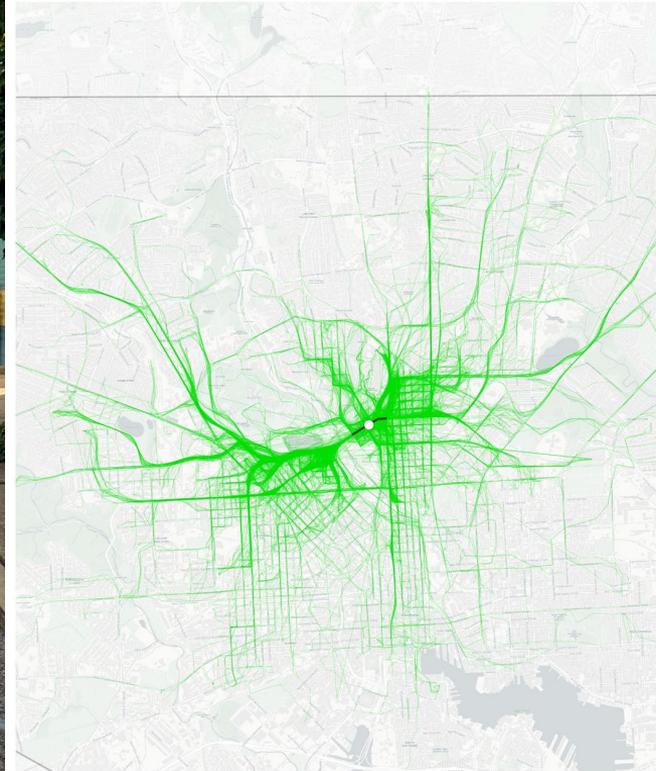
Area: 300 sq meters



Benefits of Building Bike Facilities

- New bike lanes consistently see most growth.
- Infrastructure benefits riders far beyond the community where it is installed.





0 0.5 1 1.5 mi

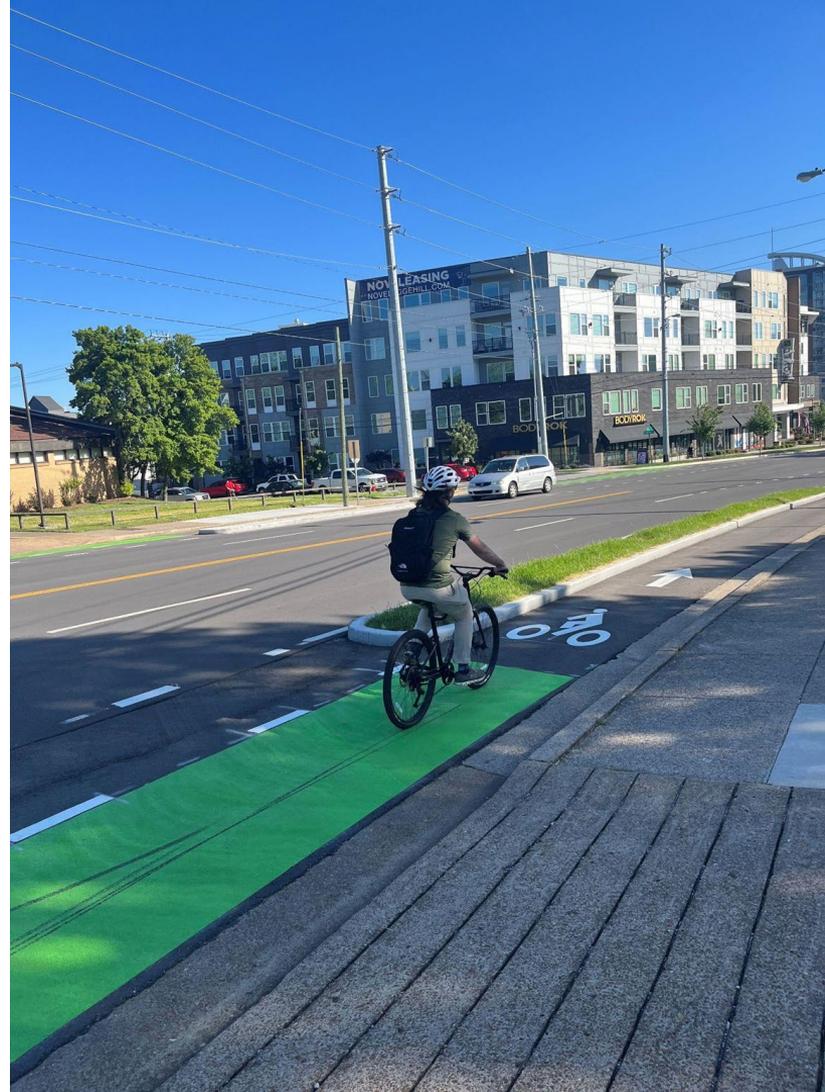
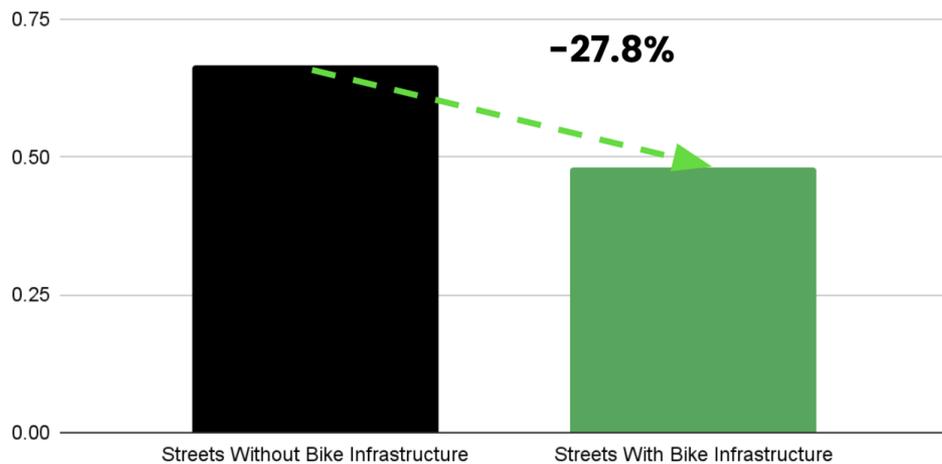
- Count location for Lime trips traveling through study segment
- 28th Street Protected Bike Lane installed in 2023
- Lime trips passing through study segment between January - October, 2025

- 28th St. experienced a 526% increase in ridership between 2022 and 2025 during which time a separated bike lane was completed in 2023



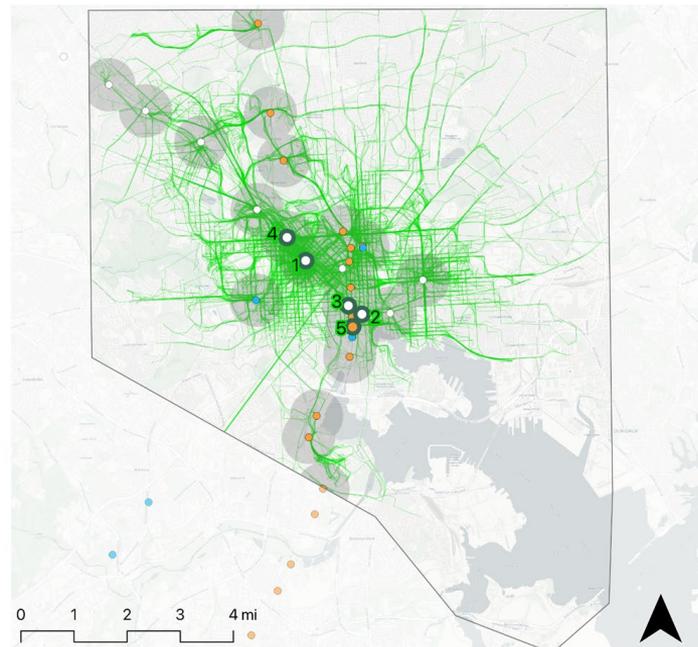
Safety Improvements

Reported Incident Rates Are Lower On Streets With Bike Infrastructure Compared To Streets Without Bike Infrastructure in Baltimore



Expanded Transit Access

- Lime doubles transit access distance (1.3 miles) compared to walking alone (0.5 miles).
- 80% of Lime riders say Lime helps them access other public transit options.
- 30% of Lime riders replaced car trips, reducing congestion during peak commute times.
- 1 in 4 riders in Baltimore connect to public transit before or after their trips



Trip Routes Ending or Beginning Within 50 Meters of a Rail Station
Lime Trips June 1st - September 1st 2025

Top 5 Busiest Stations

- Light Rail
- Metro Stations
- Light Rail Stations
- MARC Stations
- Metro Stations
- Trip Routes
- Half Mile Walkshed

Top 5 Busiest Stations by Activity

1. Upton Metro Station
2. Convention Center Light Rail Station
3. Lexington Market Metro station
4. Penn-North Metro Station
5. Charles Center Metro Station



Resources

2025 Lime Mobility Insights Competition Report

"Building Safer and More Friendly Streets: Lessons from Lime Data on Infrastructure, Safety, and Transit Access"

2024 Lime Mobility Insights Competition Report

"Lessons from Lime Data: How Cities Can Use Shared Micromobility Data for Transportation Planning and Policy."

LimeXLAB webpage

Takeaways

Building dedicated bike infrastructure

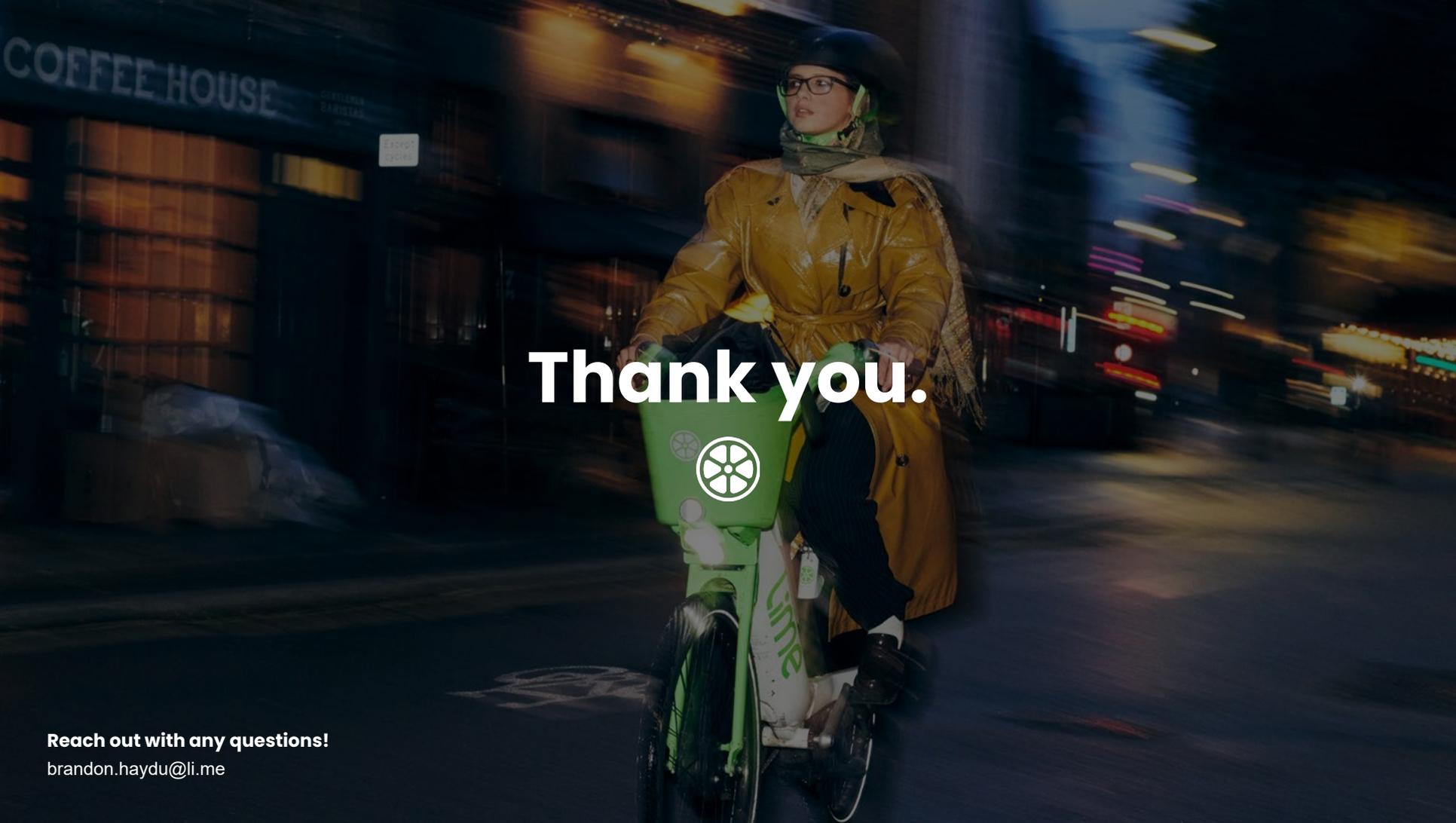
- 1. Improves ridership**
- 2. Makes riders safer**

Shared micromobility expands transit access

Furthermore, Lime data can be used to...

- Measure infrastructure impacts
- Assist in development of transportation plans
- Inform Vision Zero goals





Thank you.

Reach out with any questions!

brandon.haydu@li.me