

Housekeeping

- The webinar is being recorded and will be posted at:
 - youtube.com/bikeleague (@BikeLeague)
 - bikeleague.org/webinars
 - bikeleague.org/lime
- Closed captions are available
 - You can hide or show closed captions from the Zoom menu on your screen: click "Show Captions" / "Hide Captions"
- Feel free to type your questions into the Q&A at any time!



Speakers:





Calvin ThigpenDirector of Policy
Research





Ted RandellDDOT
Micromobility
Coordinator



Renée Moore Special Assistant, Vision Zero office





Hank DuncanBicycle and
Pedestrian
Coordinator



Andrea de la Rosa Assistant Director for Small Business Development







Amelia Neptune
Bicycle Friendly America Program Director
League of American Bicyclists





ABOUT THE LEAGUE





Since 1880... our mission is to lead the movement to create a Bicycle Friendly America for everyone.





BICYCLE FRIENDLY STATE



BICYCLE FRIENDLY
COMMUNITY



BICYCLE FRIENDLY BUSINESS











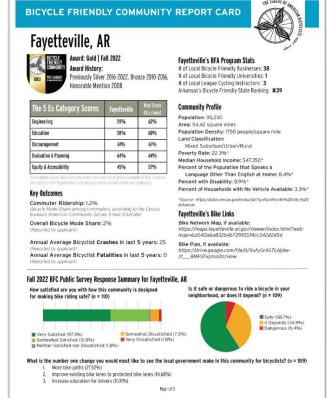
Bicycle Friendly Communities BY STATE

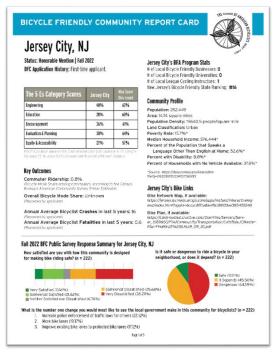
See the full list at bikeleague.org/community

bikeleague.org/community

Bicycle Friendly Community: Recognition & Feedback

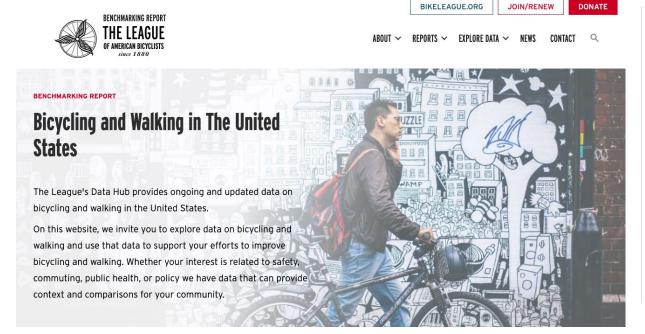


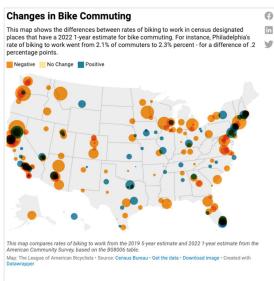




bikeleague.org/community

The Importance of Data...





data.bikeleague.org



Overarching Goals of the Mobility Insights Competition

"Lime and the League of American Bicyclists are partnering to host the 2024 Mobility Insights Competition, with the goal of assisting two cities to leverage Lime's extensive data to address transportation challenges and enhance safety for all road users."

- 1. Address micromobility-specific considerations (e.g. parking)
- 2. Showcase how micromobility data can be leveraged for **broader questions** (e.g. fine-grained analysis of effect of bike lane investments)
- 3. Use insights in planning and policy documents, grant applications, etc.



2024 Mobility Insights Competition









Since 2017, we've helped riders...



Take more than 700,000,000 rides



Travel more than 815,000,000 miles



Replace an estimated 165,000,000 car trips



Prevent more than 60,000,000 kilograms of carbon emissions





Report Topics and Research Questions

Bike lanes:

Do shared micromobility riders show a preference for bike facilities?
 Where are more bike facilities needed?

Parking:

 Do parking investments influence parking behavior? Where should additional parking be allocated?

Safety:

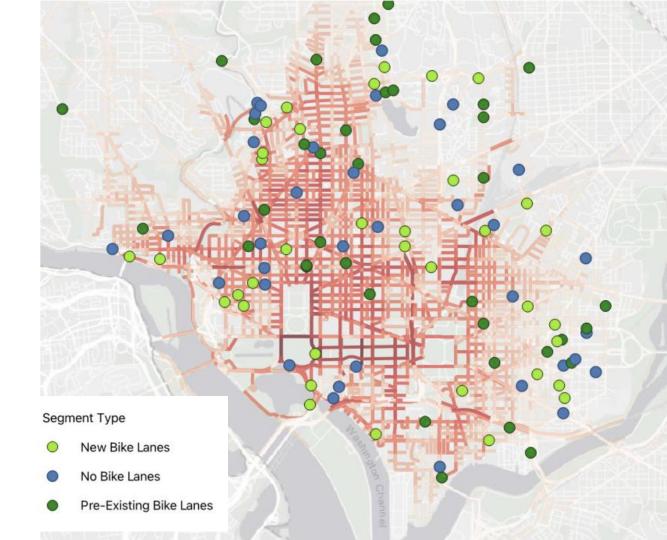
 How are safety outcomes evolving over time? Are we seeing improvements related to bike facility investments?



Methods

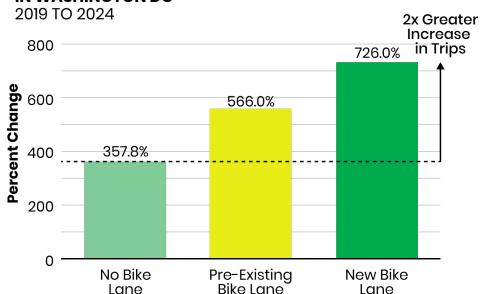
- Add up trips taken on every street
- Identify whether the street has a bike lane and when it was installed
- Analyze changes in trip volumes over time





Benefits of Building Bike Facilities in Washington, DC

PERCENT CHANGE IN AVERAGE SUMMER TRIPS IN WASHINGTON DC



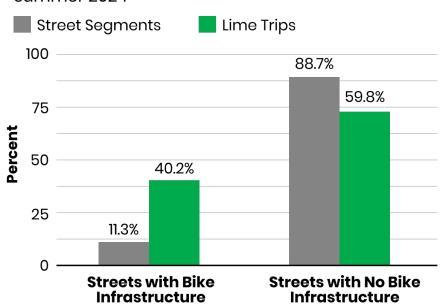






Benefits of Building Bike Facilities in Washington, DC

BIKE INFRASTRUCTURE AND LIME VEHICLE USAGE Summer 2024





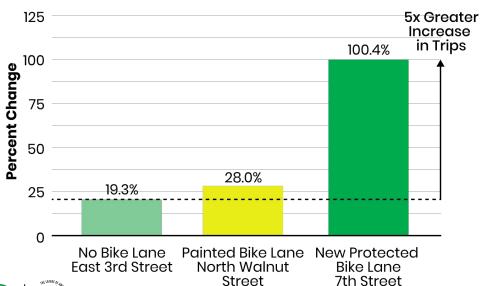




Benefits of Building Bike Facilities in Bloomington, IN

PERCENT CHANGE IN AVERAGE SUMMER TRIPS IN BLOOMINGTON, INDIANA

2020 TO 2024



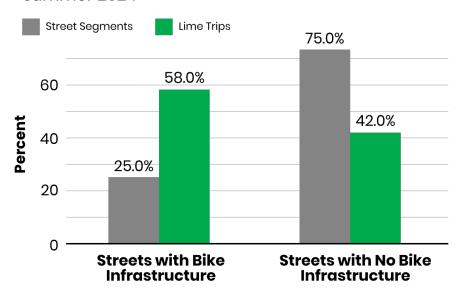






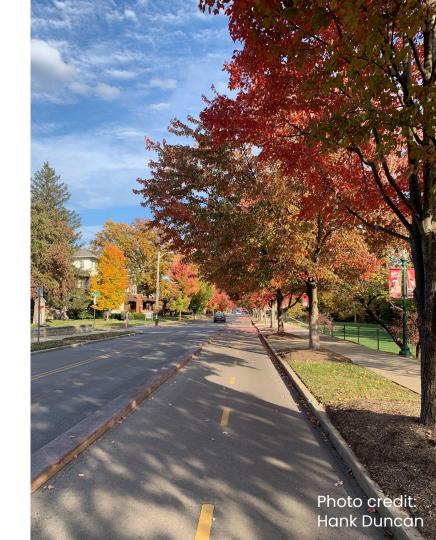
Benefits of Building Bike Facilities in Bloomington, IN

BIKE INFRASTRUCTURE AND LIME VEHICLE USAGE Summer 2024









Takeaways

Preferences for bike infrastructure are universal

Build it and they will come

Bike lanes...

- Increase rider safety ¹
- Help cities meet mode shift goals
 - Washington, DC: reduce GHGs by 50% below 2006 levels by 2032
 - Bloomington, Indiana: reduce community GHGs by 25% below 2018 levels by 2030 and achieve carbon neutrality by 2050
- Reduce sidewalk riding ²

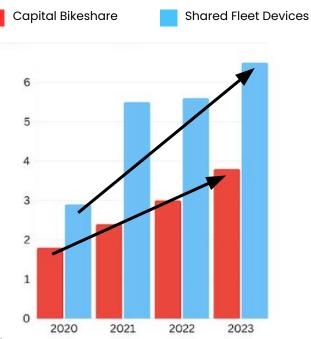


¹ Marshall & Ferenchak, 2019. "Why cities with high bicycling rates are safer for all road users"

² <u>Cicchino, Chaudhary, & Solomon, 2023. "How Are E-Scooter Speed-Limiter Settings Associated with User Behavior?</u>
Observed Speeds and Road, Sidewalk, and Bike Lane Use in Austin, TX, and Washington, D.C."

It takes a village...

SYSTEM-WIDE ANNUAL TRIPS (MILLIONS)



Since 2019:

- 41 miles of new bike lanes
- 3,000+ new bike racks installed
- 400% increase in shared scooter and bicycle fleet





Lime Data & Expertise for Planning and Policymaking

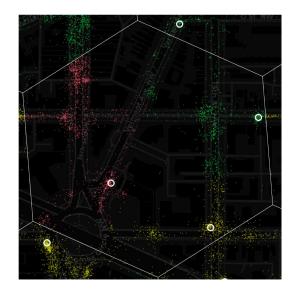
Data





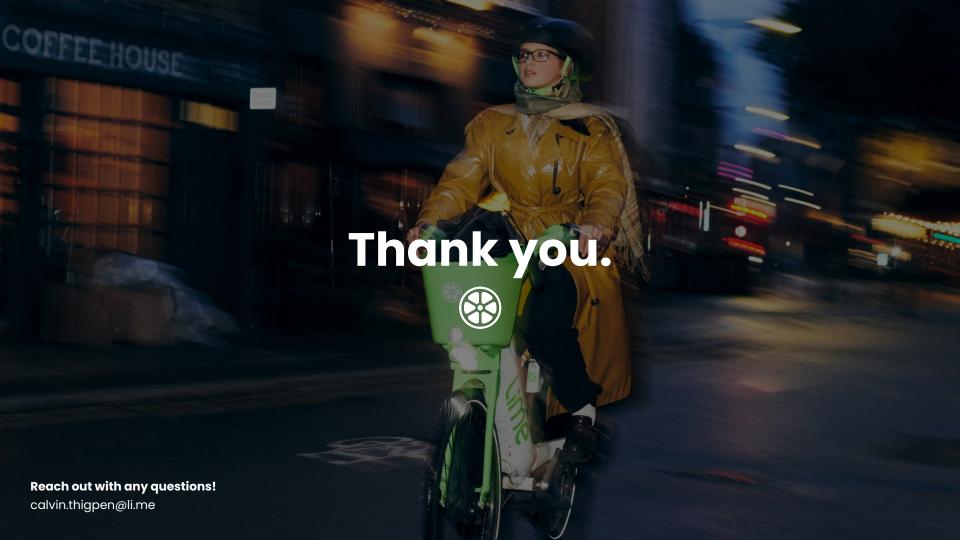
General Bikeshare Feed Specification

Analytics







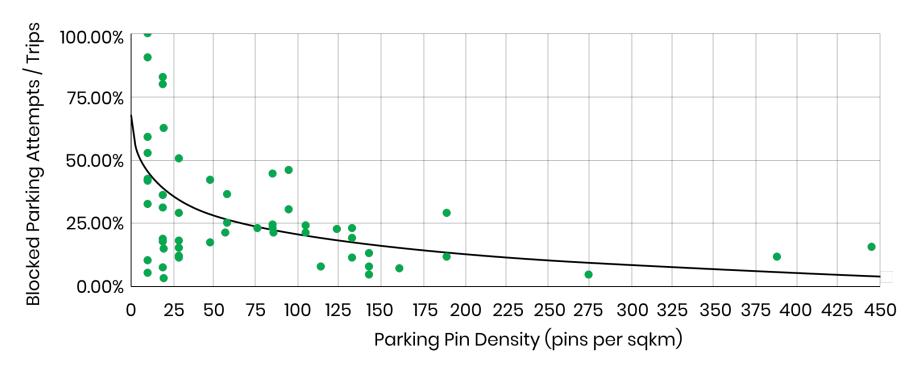


City of Bloomington, Indiana

Hank Duncan, Department of Planning & Transportation
Andrea De La Rosa, Department of Economic and Sustainable Development

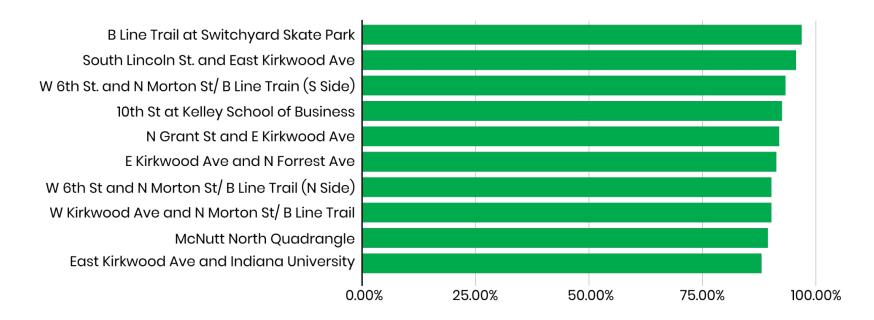


Bloomington Blocked Parking Events vs Parking Corral Density





Parking Corrals with the Highest Rate of Parking within the Corral in Bloomington, Indiana

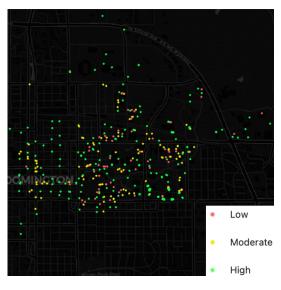




(A) Trip Volume

Low Moderate

(B) Parking Clustering



(C) Parking Corral at W Kirkwood Ave and B-Line









District of Columbia

Ted Randell, Renée Moore District Department of Transportation, Vision Zero Office

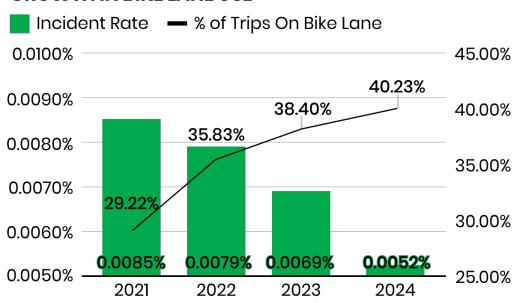






Safety Outcomes In Washington DC

LIME RIDER-REPORTED INCIDENT RATE VS GROWTH IN BIKE LANE USE



- Rider-reported safety incidents have fallen every year in Washington DC, and over the course of the program 99.99% of trips are incident free.
- 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% during this same time period.



District Micromobility Safety Policy and Infrastructure

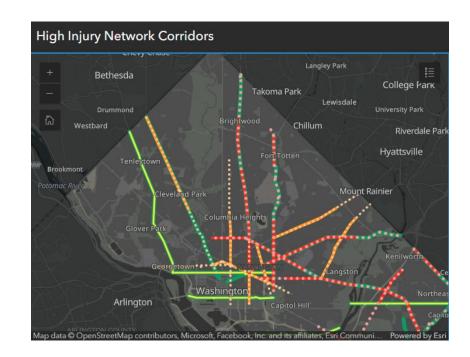






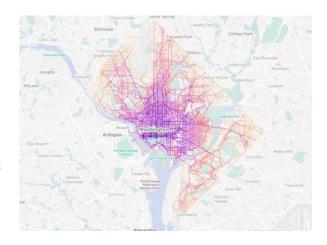
Existing Safety Toolbox

- Trip data (devices, counts, operators, etc.)
- Monthly operator data
- Photo audits
- Education plans, campaigns, social media
- External data (police, hospitals)
- Safety technology on-board devices
- Future regulations
- 311
- Authority and discretion over permit renewal
- Micromobility infrastructure expansion



Data Applications

- Compliment, expand existing crash datasets
- Analyze rider trends, impacts of specific bike infrastructure.
- Inform future reporting requirements, third party data projects.























Thank you!

- Find the full report at:
 - bikeleague.org/mobility-insights-report
- Learn more about the Mobility Insights competition, including the report and a recording of today's webinar at:
 - bikeleague.org/lime







