

Micromobility Pilot Project

April 26, 2023

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CITY OF
RENO

Overview

- Why Micromobility?
- Micromobility Pilot Project Scope
- Findings of LiDAR Study & Public Survey
- Applying Infrastructure Tools

Why Micromobility?

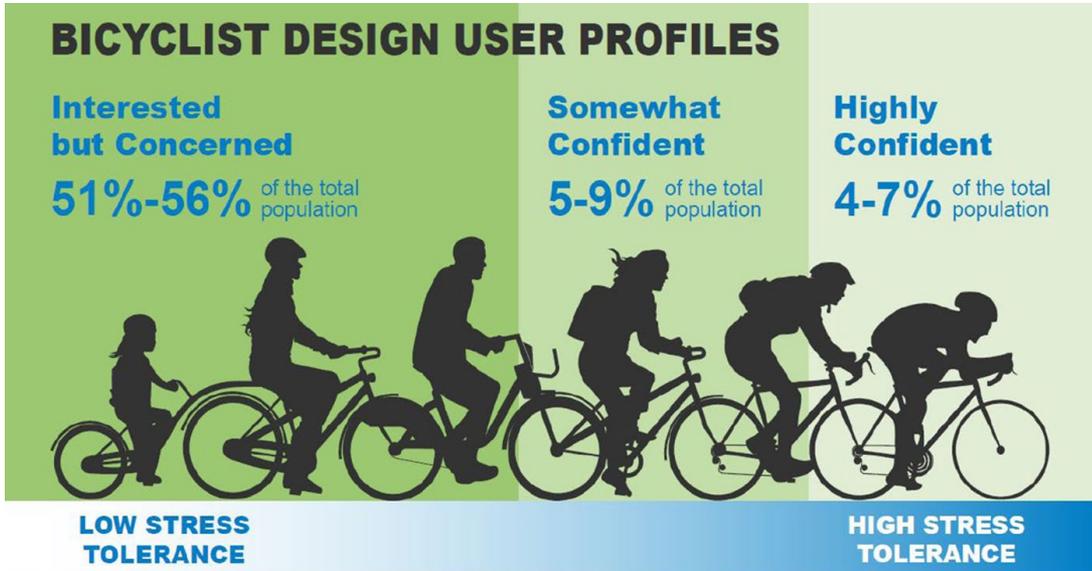


Image Source: Federal Highway Administration

Designing for More Riders

- Provide separation from high speed and volume motor vehicles.
- Reduce conflicts at intersections.
- Improve continuity and connectivity of micromobility network.

Why Micromobility

AREAS OF FOCUS FOR 2023-2025

EFFICIENT DELIVERY OF SERVICES

In April 2022, City Council identified where they'd like to see significant progress in the next three years. Taken altogether, the main theme is efficient delivery of services



A graphic for the Pilot Project Timeline. It features a yellow semi-circle at the top, a dark blue mountain range silhouette in the middle, and a light blue horizontal bar at the bottom. The text "Pilot Project Timeline" is centered over the mountain range.

Pilot Project Timeline



February 2022 - May 2022

Micromobility Design & Infrastructure Set-up



June 2022 - October 2022

Micromobility Pilot Project in Full Use & Gathering Public Surveys & LiDAR Data



August 2022 - September 2022

League of American Bicyclists Working Group & Dutch Cycling Embassy Workshop



March 9, 2023

Micromobility Pilot Project Draft Report Presentation to Public



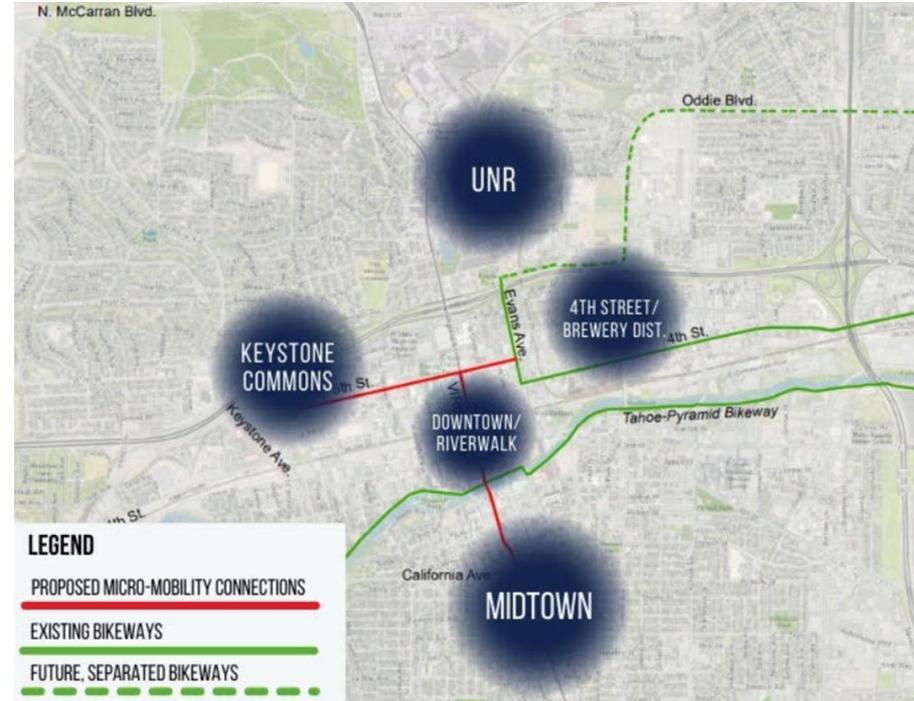
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Final Report to City Council

What was Micromobility Pilot Project.....

Goal - Inform future permanent installations

1. Introduce new features to community via temporary infrastructure
2. Collect community feedback
3. Analyze volumes, use of space, and conflicts



Buffered Lanes vs Two-way



Intersection Safety



Bike Box



Bike Signal

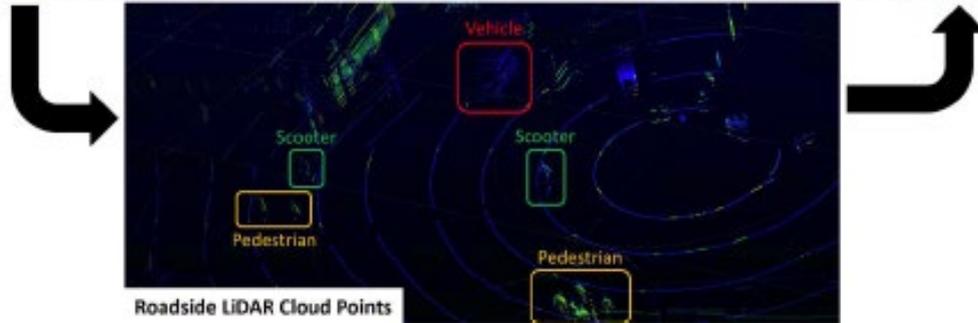
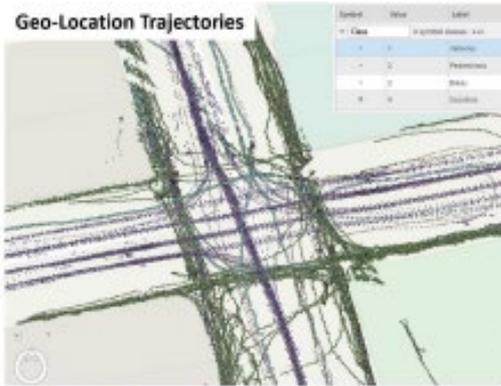


Protected Intersection

What did we learn....

- Adding micromobility infrastructure
 - Increased micromode users
 - Decreased conflict rate for all users
 - Users shifted from sidewalks & roadway to micromode lanes
- Gained valuable public feedback on what works and what doesn't
- Education is vital for success

LiDAR (Light Detection and Ranging)



Volumes or usage

Bikes/Scooters

- Virginia St - 120% increase
 - Bikes 91 → 198
 - Scooters 254 → 605
- 5th St - 40% increase
 - Bikes 94 → 131
 - Scooters 138 → 197

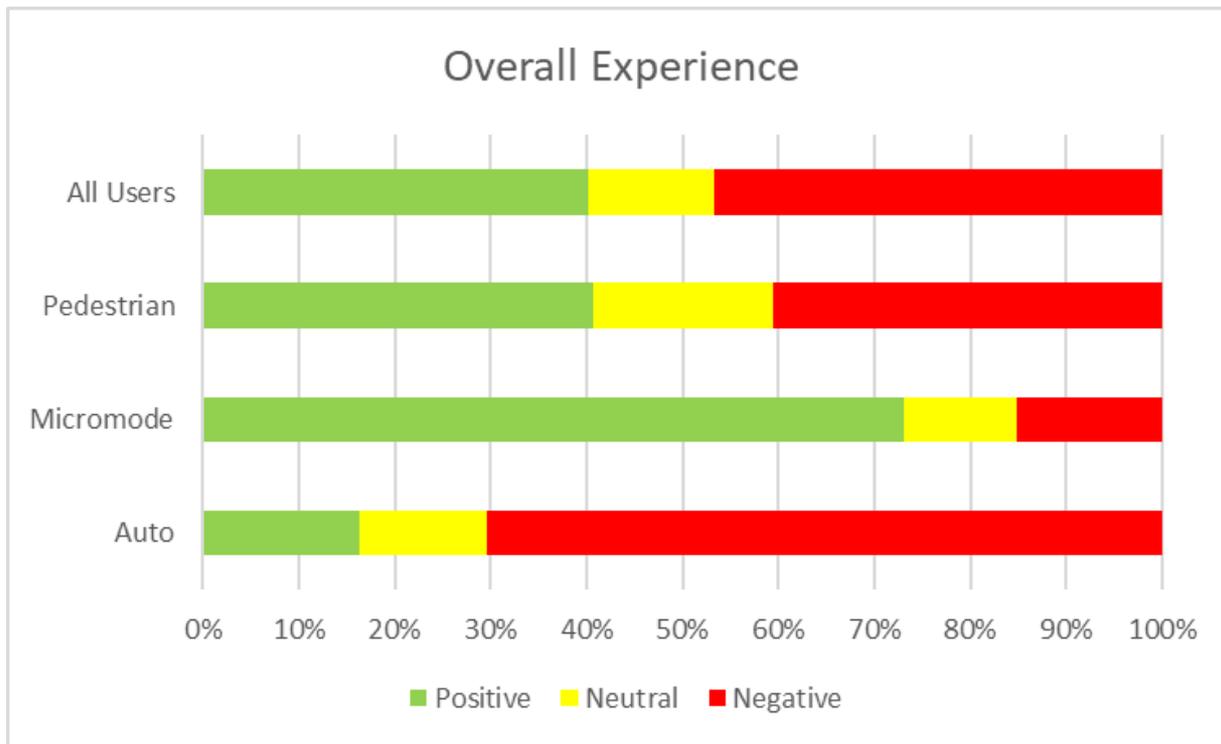
Traffic volumes

- 5th St - 24% increase
 - 7,200 → 8,900
- Virginia St - 30% decrease
 - 13,000 → 9,000

Conflicts - Separation between two modes

- All modes decreased

Pilot Project Results - Survey



Next Steps:

April 26, 2023

- Presentation to Reno City Council on Micromobility Report

May/June 2023

- Public Input on Concept Designs for Downtown Connectivity

July/August 2023

- Presentation to Reno City Council & RTC Board on Downtown Connectivity Projects

Recommendation

D.1 I move to accept the Micromobility Pilot Project Final Report.