What is New Mobility?

BRAD DAVIS, AICP, CNU-A
PRINCIPAL, ALTA PLANNING + DESIGN

SEPTEMBER 20 2019
What is New Mobility?

Definitions

- **New Mobility**: transportation services that are enabled, defined, or redefined by digital technology *(PBOT, 2019)*

- **Shared Mobility**: shared use of a vehicle (whether car, motorcycle, scooter, bicycle, or other mode) for short-term access.

- **Micro-mobility**: all shared-use fleets of small, full, or partially human-powered vehicles such as bikes, e-bikes, and e-scooters *(NACTO, 2019)*
What is New Mobility?
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Shared Vehicles
- e-bikes
- bikesharing
- e-scooters
- scooter sharing
- carsharing

Shared Trips
- ridesharing
- ridehailing
- microtransit
Growth of Micromobility

84 Million Trips on Shared Micromobility in 2018

Source: NACTO
Future of Streets?
Complete Streets 1.0 Principles

- **Access and mobility** for everyone regardless of age, ability, mode

- **Unique** - responds to the specific needs of the community, streetscape, and land use context

- **Balanced** – Provides the highest degree of transportation options, transitioning away from auto-centric planning and design

- **Safe** – prioritizes the needs of most vulnerable users

- **Comprehensive** – Considers the larger network, a system-wide approach
Complete Streets 1.0

+ New Mobility

Complete Streets 2.0
Complete Streets 2.0 Principles

Prioritized Uses
Safe by Design
Point-to-Point Trips
Multimodalism
Complete Networks
Digital Infrastructure
Adaptability
Outcomes Based
Complete Streets 2.0 in Practice

MOBILITY HUB SITE

LINEAR MOBILITY BLOCKS
Existing Street

- Bike Parking
- Parking
- Furnishings

Urban Land Institute
Complete Streets 2.0 in Practice
Design is guided by:

- Mode
- Speed
- Person-Capacity
- Demand
Complete Street 2.0
Activity Zones
Complete Street 2.0

High Capacity Vehicle Lane
Complete Street 2.0
Travel Lane
Brad Davis
Contact braddavis@altaplanning.com