Designing for Micro-Mobility

Kelley Coyner
Senior Principal, Mobility Innovation Lead
A Tale of Two Cities and a Military Base

Arlington, TX
Off Street, Event Based

Las Vegas, NV
Mixed Traffic, Circulator

Ft. Bragg, NC
Health Services, Campus
ACCESSIBLE
Accessible vehicles and services allow for all to travel without regard to disability or socioeconomic circumstances

AUTOMATED
Vehicles that use different autonomous features can travel in narrower lanes and closer together, improving fuel economy, and effectively increasing road capacity without pouring more pavement

CONNECTED
Vehicles and infrastructure with sensors and Wi-Fi or dedicated short-range communication allow vehicles and infrastructure to communicate with cyclists and walkers, other vehicles and infrastructure, increasing safety and efficiency

ELECTRIC
Vehicles powered by renewable energy reduce fuel use and carbon emissions

SHARED
Vehicles—whether cars, bicycles, shuttles, buses or rail cars—where rides or ownership is shared reduce congestion, costs, and total vehicle miles travelled