

5 BIG MOVES **FLEXIBLE FLEETS**

Flexible Fleets build upon the popularity and success of shared mobility services like on-demand rideshare, bikeshare, and scooters. These fleets provide personalized transportation through shared vehicles available 24/7 for different types of trips, which can reduce the need to own a car. They also provide important connections to and from high-speed transit to key destinations like work or home, making it easier for some commuters to choose transit. In the future, Flexible Fleets combined with transit could be available on a subscription basis, allowing people to plan, book, and pay for all trips across all modes in one place.

Features

Via a mobile app, these fleets could be operated by a public agency (e.g., transit operators), the private sector (e.g., Uber, Lyft, Waymo, FedEx), or through partnerships.

- **Micromobility**
Small, low-speed, shared vehicles and services like e-scooters, bikeshare, and neighborhood electric vehicle (NEV) shuttles support short trips around a community.
- **Rideshare**
Multi-passenger vehicles provide pooled trips for people with a common origin and destination. This includes services like Waze Carpool and pooled ridehailing services (e.g., UberPool, Lyft Shared) that will eventually evolve into automated pooled taxis. Vehicles will be available in various configurations and sizes to meet a variety of passenger needs.
- **Microtransit**
Higher occupancy passenger vehicles, typically up to 15 passengers, provide longer-distance trips and operate optimally in more suburban areas of the region. The demand-responsive microtransit and vanpool services of today will eventually be driverless. Vehicles will be designed with the user in mind to accommodate different travel preferences and needs.
- **Ridehailing**
On-demand vehicles that are available for short or long-distance trips will be automated in the future. Ridehailing services (e.g., Uber and Lyft) and carshare services we know today (e.g., Zipcar and Getaround) will operate as subscription-based services, allowing users to reserve any type of vehicle for their trip.
- **Last Mile Delivery**
Semi or fully automated vehicles, e-bikes, drones, and bots will deliver a range of goods (e.g., retail, food, etc.) to a user's home or to smart lockers at Mobility Hubs. Shared vehicles can make efficient trips by carrying both passengers and goods at the same time.



WHERE DO FLEXIBLE FLEETS WORK BEST?

Flexible Fleets travel on Complete Corridors throughout the region to connect to Mobility Hubs and access Transit Leap services. The Next OS will help to integrate Flexible Fleets into trip planning tools.

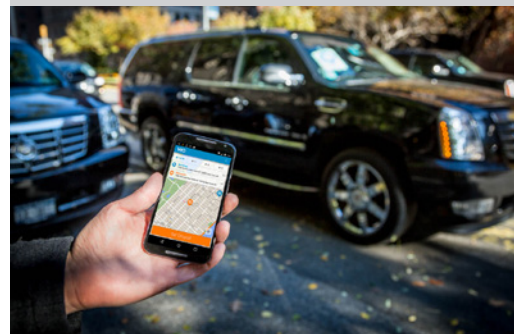


SUCCESS STORIES

Anticipated Benefits

- **Better access to transit**
Fleets provide services that connect to transit; currently one in five riders are using micromobility services to connect to transit.
- **Convenience**
Regardless of the trip purpose, Flexible Fleets provide an on-demand and convenient travel option for most trips.
- **Reduced air pollution**
Shifting some single occupant drivers to transit and shared mobility will lead to fewer vehicle miles traveled and reduce air pollution throughout the San Diego region.
- **Congestion relief**
The use of shared mobility services reduces the number of trips made by cars. Based on reported use of shared e-bikes across multiple pilot studies, micromobility fleets (e.g., bikeshare, scootershare) replaced 37% of car trips. Shared mobility services and the use of automated vehicles has been estimated to ease congestion by up to 10%.
- **Affordability**
By facilitating access to transit, integrated mobility options have been estimated to cost 25-35% less per trip. Micromobility options offer a low-cost alternative at \$1-\$1.50 per mile.
- **Equity**
Flexible Fleets provide a variety of personalized travel options – from scooters to ADA-compliant automated shuttle services – that foster transportation equity by providing a mobility solution for all users.

- In 2018, Voyage launched free on-demand driverless taxi service in The Villages, a 40-square mile retirement community north of Orlando, Florida. When fully operational, Voyage will provide convenient door-to-door service to all of the 125,000 seniors who live within the community.
- In Dublin, CA, the Livermore Amador Valley Transit Authority eliminated low-performing fixed routes and partnered with Lyft to provide convenient on-demand service. In comparison to the previously operated fixed routes, GoDublin ridership results were similar and much more cost-effective operationally, averaging \$2.80 per Lyft trip versus \$15–\$20 per fixed route transit trip.
- In 2019, LA Metro partnered with microtransit provider, Via, to provide a shared and low-cost transportation option to and from rail and bus stations in the Compton, El Monte, and North Hollywood communities. Participants in Metro's Low-Income Fare is Easy (LIFE) program can use Via free of charge.



LA Metro microtransit provider, Via, provides low-cost on-demand service

Photo courtesy of Via