5 BIG MOVES // COMPLETE CORRIDORS / TRANSIT LEAP / MOBILITY HUBS / FLEXIBLE FLEETS / NEXT OS

5 BIG MOVES
FLEXIBLE FLEETS

The Flexible Fleets initiative builds on the popularity of shared mobility services such as on-demand rideshare, bikeshare, and scootershare. These fleets provide shared vehicles for all types of trips 24/7, which can reduce the need to own a car. They also provide important connections between high-speed transit and key destinations such as work or home, making it easier for commuters to choose transit.

Features

Through a mobile app, Flexible Fleets could be operated by both public and private agencies, as well as 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 can provide pooled trips for people with a common origin and destination. This includes services such as Waze Carpool, and pooled ridehailing services such as uberPOOL and Lyft Shared. Eventually these will develop into automated shared taxis that will be designed to meet passenger needs.

- **Microtransit**
  Smaller transit vehicles can carry up to 15 passengers and provide longer-distance trips that may be ideal for more suburban areas of the region. Demand-responsive microtransit services eventually will be driverless and designed to consider travel preferences.

- **Ridehailing**
  On-demand vehicles that are available for short- or long-distance trips. Ridehailing and carshare services will be automated in the future and 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 to a user's home or to smart lockers at Mobility Hubs. Shared vehicles can make efficient trips by carrying passengers and goods at the same time.

WHERE DO FLEXIBLE FLEETS WORK BEST?

Flexible Fleets travel on the region’s network of Complete Corridors, providing connections to Mobility Hubs and Transit Leap services. In the future, the Next OS will help integrate Flexible Fleets and transit into trip-planning tools, so people can plan, book, and pay for trips across different modes of transportation in one place.
Anticipated Benefits

• **Better access to transit**
  Flexible Fleets provide services that connect to transit. Currently, 20% of transit riders use micromobility services to connect to transit.

• **Convenience**
  Regardless of the trip purpose, the on-demand nature of Flexible Fleets means that people can book a ride anywhere and anytime.

• **Reduced air pollution**
  Shifting some single-occupant drivers to transit and shared mobility will lead to fewer vehicle miles traveled and also reduce greenhouse gas emissions throughout the San Diego region.

• **Reduced congestion**
  The use of shared mobility services reduces the number of trips made by cars. Based on the reported use of shared e-bikes across multiple studies, micromobility fleets like bikeshare and 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 making it easier to access transit, integrated mobility options have been estimated to cost 25% to 35% per trip and offer a low-cost alternative at $1-$1.50 per mile.

• **Equity**
  Flexible Fleets provide a variety of personalized travel services, from car seats to wheelchair lifts and accommodations for the visually impaired. These features help ensure that Flexible Fleet services work for everyone.

**SUCCESS STORIES**

- In 2019, the City of Oceanside partnered with FordX to launch Hoot Rides, a neighborhood electric vehicle rideshare pilot. The all-electric shuttles served the Downtown Oceanside area, providing residents and visitors with an affordable and convenient connection to the nearby Oceanside Transit Center and community events such as the Sunset Market street fair.

- In 2018, Voyage launched a 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 the 125,000 seniors who live within the community.

- In 2019, LA Metro partnered with microtransit provider, Via, to provide a shared and low-cost transportation option between rail and bus stations in the Compton, El Monte, and North Hollywood communities. Participants in Metro’s Low-Income Fare is Easy program can use Via free of charge.

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

*Photo courtesy of Via*