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

MOBILITY HUBS

Mobility Hubs are places of connectivity where different travel options – walking, biking, transit, and shared mobility – come together. They provide an integrated suite of mobility services, amenities, and supporting technologies to better connect high-frequency transit to an individual’s origin or destination. A mobility hub can span one, two, or a few miles to provide on-demand travel choices for short trips around a community.

Features

- **Walking and biking infrastructure**
  Safe and comfortable places for people of all ages and abilities to walk, bike, scoot, and move around their community. This includes offering secure parking options for bikes, scooters, and other devices.

- **Shared mobility**
  Travel options that share the ride with other travelers, or use a shared vehicle such as transit, on-demand rideshare, carshare, micromobility solutions such as dockless scooters and bikes, neighborhood electric vehicles, shared autonomous shuttles, and other Flexible Fleets.

- **Support services**
  Real-time travel information, electric vehicle and e-bike charging, multimodal wayfinding, parcel delivery lockers, mobile retail services, and passenger loading areas.

- **Intelligent Transportation Services (ITS)**
  Wireless vehicle charging, smart parking solutions, infrastructure supporting automated and connected vehicles, and dynamically managed curb space.

- **Supportive land uses**
  Mobility Hubs are situated where there is a concentration of jobs, housing, shopping, and/or recreation. A healthy mix of land uses contributes to a Mobility Hub’s success.

WHERE DO MOBILITY HUBS WORK BEST?

San Diego Forward: The 2021 Regional Plan will include a network of “right-sized” Mobility Hubs that are situated close to major residential and job centers. Mobility Hubs enhance connections to and from existing transit and new high-speed, high-frequency services in the Transit Leap. Mobility Hubs will integrate with Complete Corridors to offer several roadway features — wireless electric vehicle charging, smart parking, and flexibly managed curb space. Flexible Fleets can be used throughout a Mobility Hub to provide people with a wide range of on-demand travel options that improve access to transit and other community destinations.

Rendering of a Mobility Hub in Singapore
Source: Ministry of Transport, Singapore
Anticipated Benefits

Mobility Hubs enhance the movement of people and goods, while also helping the region meet state mandates for reducing greenhouse gas emissions.

- **Increased transit ridership**
  Studies show that increasing the concentration of homes and jobs near transit increases ridership, and that employment density is strongly associated with transit ridership. Doubling the number of homes near light rail stations can increase the number of boardings at the same station by 15% to 59%.

- **Reduced need for driving alone**
  Locating Mobility Hubs near high-frequency transit, job centers, and other popular destinations makes it easier for people to travel without relying on a personal car. More than 45% of all trips in the U.S. are shorter than three miles, making Mobility Hubs particularly valuable for everyday travel needs.

- **Congestion relief**
  With more travel choices and supporting amenities, fewer people will need to own a car. Pooled ride options such as Lyft Shared, uberPOOL, and Waze Carpool can decrease the number of vehicles on the road while connecting people to transit. Meanwhile, bike and pedestrian improvements encourage people to walk, bike, or ride a scooter to transit and other Mobility Hub destinations.

- **Reduced air pollution**
  Increasing the number of zero-emission vehicles on the road, and supporting amenities like electric vehicle charging stations, can help improve air quality.

- **Equity**
  Flexible Fleets and automated vehicles can help seniors and people with disabilities who are not able to travel on their own. Many private operators develop and implement equity plans to ensure accessibility for people who face mobility challenges. These plans may include adaptive bikes and scooters, low-income payment options, and other accommodations.

SUCCESS STORIES

- The Mobility Hub idea originated in Bremen, Germany to combine carshare vehicles, bike parking, and wayfinding near high-frequency transit. Nearly 300 shared cars have taken more than 4,200 privately owned cars off the road in Bremen.

- The Canadian cities of Toronto and Burlington envision Mobility Hubs as places for concentrating future population and job growth near railway and bus stations. Both cities aim to foster sustainable communities for people of all ages with a mix of land uses within walking and biking distances to transit.

- In the San Francisco Bay Area, the Metropolitan Transportation Commission and the Association of Bay Area Governments launched an effort to provide community Mobility Hubs that include solar electric vehicle carsharing, e-bikes, free transit passes, and other transportation benefits to low-income residents at three affordable housing sites in Oakland, Richmond, and San Jose.