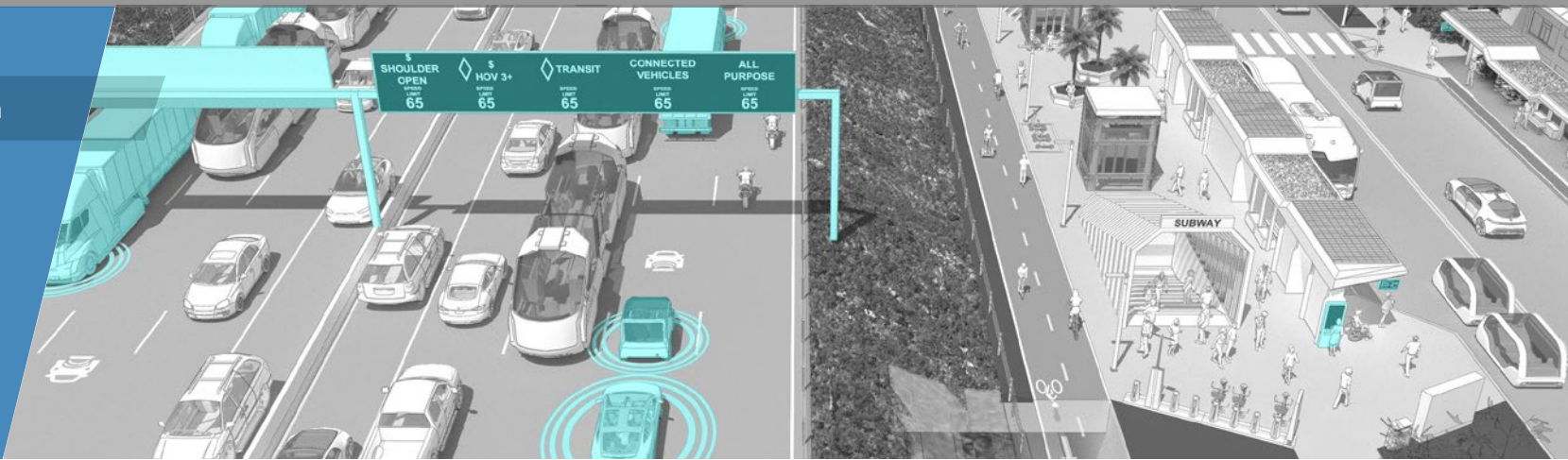


2021 Regional Plan

NEXT OS



What is Next OS?

Next OS is the “brain” of the entire transportation system. It is a digital platform that compiles information from sources like passenger vehicles, buses, ridesharing vehicles, delivery trucks, e-bikes, and scooters into a centralized data hub. Analysis of this data will improve how transportation is planned, operated, and experienced. Transportation operators could better manage supply and demand by modifying how infrastructure and services are used throughout the day. The result would be a modernized transportation system with roads and transit services that operate smoothly and serve people better.



How could we use Next OS?

Residents and businesses

Next OS provides applications and services, like interactive kiosks, to browse, book, and pay for any mobility service.

Transportation operators and service providers

Next OS supports dashboards with real-time data to optimize services and provide the best service for the public.

Planners and policymakers

Next OS helps inform decision-making with data that provide a clear perspective of how the transportation system is functioning and what improvements might be needed and where.

How is SANDAG planning for Next OS services?

Next OS is the cornerstone of the 5 Big Moves and will coordinate Complete Corridors, Transit Leap, Mobility Hubs, and Flexible Fleets to make the entire transportation system work at its best. It could include the development of four smart system platforms that align with current regional project priorities.

Smart Infrastructure

Developing a regional smart intersection system could improve safety and efficiency for different road users including freight, emergency vehicles, and people who walk, bike, and ride transit.



Smart Corridors

Integrating infrastructure and services into a multimodal management system will make it possible to dynamically manage traffic, quickly respond to incidents, and coordinate emergency evacuations.



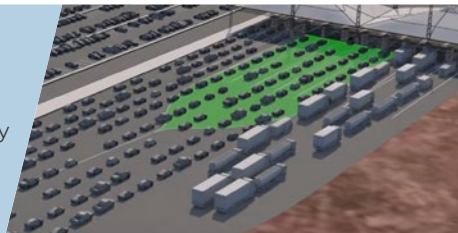
Smart Mobility

Bundling mobility options, such as transit and Flexible Fleet services, into a single trip-planning application could offer incentives and better trip-planning tools, including booking, routing, and paying across any mode.



Smart Borders

Developing a comprehensive regional border-management system will make travel and trade easier and safer through the ports of entry in the San Diego-Tijuana binational region.



How will Next OS affect how I travel?

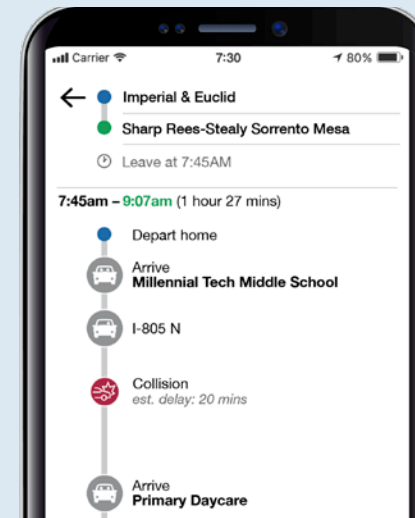
Next OS technology and the 5 Big Moves could make daily trips quicker and easier by providing better information and more compelling options for getting around. Through a single application, you'll be able to:

- Explore and compare transportation options in the San Diego region
- Pay for services like rideshare, transit, toll roads, and parking
- Receive safety alerts and emergency routing information
- Order deliveries to pick up at lockers at transit stations
- Receive reward points to use at local businesses for taking transit

Laura's journey: Next OS in action

Today, Laura has few viable commute choices. Transit options require too much time and, although her drive time is shorter, her commute is unpredictable. In the future, Laura could have more choices, better information, and an easier travel experience through the Next OS app.

Typical trip options today



Expanded trip options with Next OS

