

California Road Sharing (CaRS)

Road to a Governed, Statewide California Roads Dataset

Join us at the next CGIA meeting in December to learn about California Roads Sharing (CaRS) and share your thoughts, ideas on advancing this initiative in California.

When: December 14th, 2023

What: California Road Sharing (CaRS) – About the Program and Next Steps

Meeting Information: [Zoom](#) 10 – 12 AM (Presentation starting at approximately 10:40 AM).



About CaRS: California’s road system is managed by various roads data management government agencies. These include the Caltrans State Department of Transportation (Caltrans), 58 counties and 482 municipalities using multiple data systems. Development of a statewide road network dataset is needed so that the dataset can be used by multiple government agencies in California for highway infrastructure asset management, infrastructure projects planning and programming, emergency management, highway performance management, highway safety analysis, road user charging (RUC) using data from connected vehicles. The Statewide roads dataset would also be used to report the roads data to Federal Highway Administration’s All Roads Network of Linearly Referenced Dataset (ARNOLD) program and may potentially be even used for development of the National Road Network (NRN), which is currently being piloted by the FHWA and certain select State Departments of Transportation (DOT). Based on a technical feasibility investigation, a plan for development and deployment of the California Roads Dataset has been developed.

Vision: The **California Road Sharing (CaRS) Program** will establish a Statewide Roads Dataset that will be available for use by stakeholders in the State using a web-based geospatial roads data management platform. The Statewide Roads dataset will be administered and governed by a California Road Sharing (CaRS) working group. The CaRS working group will comprise of members from various roads data management agencies, particularly, Caltrans, Local agencies (counties, cities and municipalities), California Office of Emergency Services (CalOES).

Benefits to Stakeholders: Transportation agencies in California, as well as stakeholders of these agencies in the Federal government, private, academic and public sector are expected to benefit from the development of a Statewide California Roads dataset. Specifically, following use cases for the statewide roads dataset have been identified:

- Road Inventory Tracking.
- Asset Management
- Highway Safety
- Project Planning & Programming
- Emergency Management
- Routing & Traffic Flow Studies
- California Road User Charging (RUC)

CaRS Timeline: The CaRS program initiative started in 2021, and is now entering Phase 4, wherein we are looking to share the findings from the first three phases, form the CaRS working group and work with counties to further investigate the feasibility, desirability and value of the program to transportation agencies.

