



Tools & Data



FOR TRANSPORTATION



In its regional planning activities, SEMCOG works to support the future of mobility and respond to trends such as an aging population, future technology, and funding shortfalls. SEMCOG utilizes information observed from the real world to support effective mobility planning. Regardless of whether by car, bike, transit, or walk, detailed information is gathered and stored on our networks. These data and planning activities provide context and information that can be used to make improvements at the local level.



Does your community have questions like these?

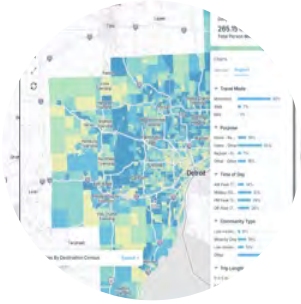
- How can we score and test different designs for Complete Streets (for pedestrians, bicyclists, transit riders, drivers, and freight)?
- How can I get cross sections for grant applications?
- I'm concerned about speeding in my community. How can I assess the problem?
- Where are all the visitors to my downtown coming from?
- What happens to traffic if I change the number of lanes, close a road, etc.?





Travel Demand Models

SEMCOG’s travel models estimate current and forecasted travel patterns—such as who is traveling, why they travel, when trips occur, and how those trips are made. These estimates support a wide range of planning efforts, including master plan updates, traffic safety analyses, economic development assessments, and air quality conformity determinations. SEMCOG’s new Travel Demand Forecast Models provide enhanced capabilities for evaluating various transportation policies and future scenarios.



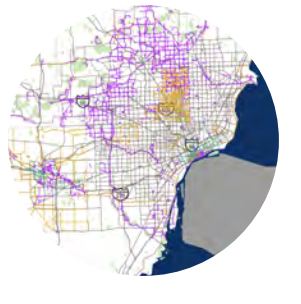
Cambridge Systematics LOCUS

LOCUS person origin-destination flow data are derived from location-based services data collected passively from mobile devices. These data provide robust information about how people are moving, which locations they are visiting, and when their travel is occurring. LOCUS truck data offers insights from real, observed activities from on-road vehicles suitable for freight related studies.



Multimodal Tool

Complete streets are a focal point for Southeast Michigan communities as they strive to develop transportation networks that are safe, convenient, and affordable for people of all ages and abilities. Complete streets planning is often part of larger discussions around economic development, livability, environmental sustainability, safety, and equity. The Multimodal Tool can enable your community to determine priorities along corridors or within a district, and to work within operational standards. It can be used for State, County, and Local roads within Southeast Michigan.



Bicycle & Pedestrian Mobility Hub

SEMCOG’s Bicycle & Pedestrian Mobility Hub is an online resource of interactive maps and analyses of bicycle and pedestrian mobility from the Bicycle and Pedestrian Mobility Plan for Southeast Michigan.



Transportation Safety Hub

SEMCOG’s Transportation Safety Hub is an online resource for users to interact with key messages and datasets from SEMCOG’s Southeast Michigan Transportation Safety Plan. The Hub includes maps, data, funding opportunities, and additional information related to transportation safety.

SEMCOG Modeling and Mobility

SEMCOG’s Modeling and Mobility Team can assist
Contact InfoCenter@semcog.org to request assistance.

