



Smart Community and Shared Mobility

Shared mobility describes “transportation services that are shared among users, including public transit; taxis and limos; bikesharing; carsharing (round-trip, one-way, and personal vehicle sharing); ridesharing (carpooling, vanpooling); ridesourcing/ride-splitting; scooter sharing; shuttle services; neighborhood jitneys; and more.”¹ These emerging transportation services, often based on newly available technology, are growing rapidly in Smart Cities and Communities. With the growth of these nascent services come new challenges for cities. The need, for instance, for improved curbside management amongst these competing uses has become a hot topic in cities. Other questions are outstanding, including what does a complete street look like in an area of high shared mobility usage? This ITE Smart Communities Task Force topic explores best practices in this realm and provides an overview of ways ITE can help ensure future shared mobility growth is compatible with the smart communities we aim to support.

Case Studies/Examples

Twin Cities Shared Mobility Action Plan	http://sharedusemobilitycenter.org/news/twin-cities-leaders-release-shared-mobility-action-plan-to-increase-transportation-options-take-50000-cars-off-the-road-in-10-years/ Transportation leaders in the Twin Cities joined the Shared-Use Mobility Center (SUMC) to release a Shared Mobility Action Plan for the Twin Cities area. The plan is a unique vision for utilizing shared mobility and transit to meet the mobility challenges facing the region. It includes ten detailed strategies for action, including policy recommendations, an analysis of existing shared mobility opportunities in the Twin Cities, suggested funding sources, and a prioritized timeline.
LA County and Puget Sound First and Last Mile Mobility on Demand Program	http://www.masstransitmag.com/press_release/12382883/metro-and-via-to-join-forces-on-shared-rides-to-and-from-select-transit-stations LA Metro, in conjunction with Puget Sound area transit agencies, is utilizing a Mobility on Demand (MOD) Sandbox grant from the Federal Transit Administration to explore delivery of first/last-demand rides via a shared, dynamically-routed vehicle to or from three transit stations in each city. They are working with Via as a provider for this microtransit pilot.
Uber Express Pool	https://www.uber.com/ride/express-pool/ Uber is experimenting with provision of a range of shared mobility services. An example of this pursuit is the creation of their Express Pool service. This is a new shared ride option that allows you to walk a short distance to join other users with similar routes on the same trip and share the cost of the trip.

How ITE Can Help

Fundamental to serving future shared mobility needs is understanding how streets of tomorrow can support these growing functions. Much of the future need will involve improved efficiency of operations, likely via new technologies, at the curbside of heavily used streets. To facilitate this, ITE has helped form the ITE-NACTO Curbside Management Working Group, and this initiative aims to help understand and share best practices in the realm of curbside management. The Smart Communities Task Force will support this group as they create a practitioner’s guide, develop case studies, and begin to answer questions such as those identified above. If you have questions or would like more information on the ITE Smart Communities initiative, please contact the ITE Smart Communities Task Force (SCoTF) at smartcommunities@ite.org.

¹ <http://sharedusemobilitycenter.org/what-is-shared-mobility/>