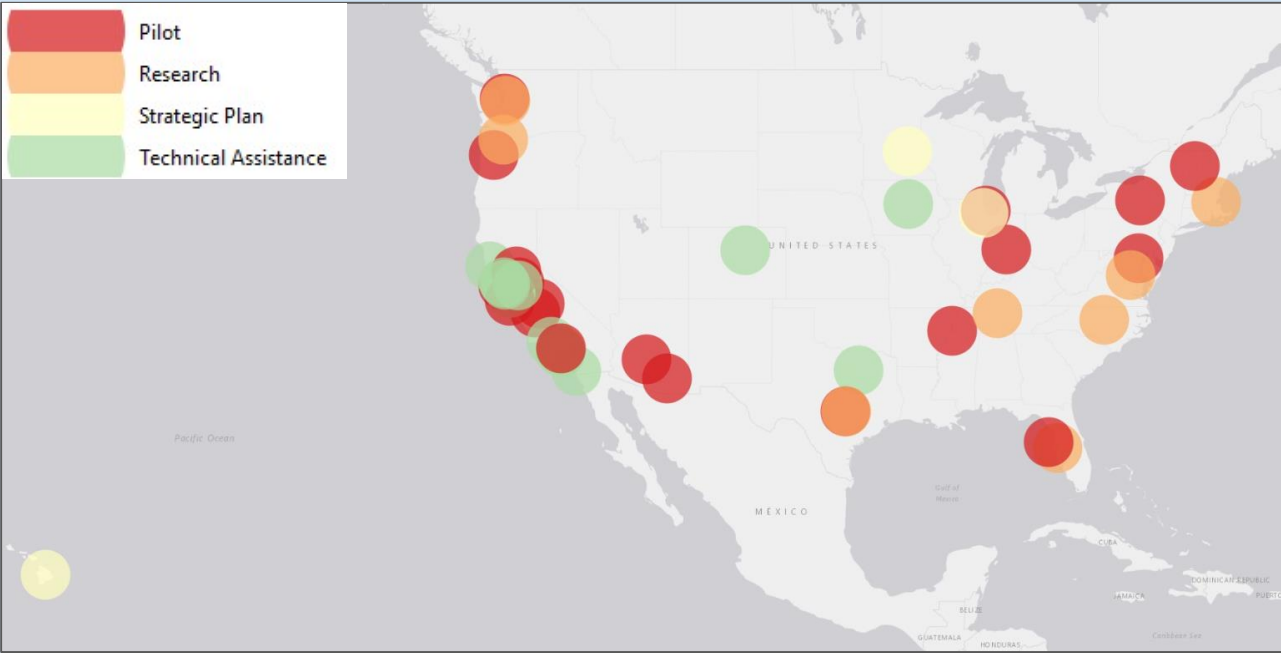
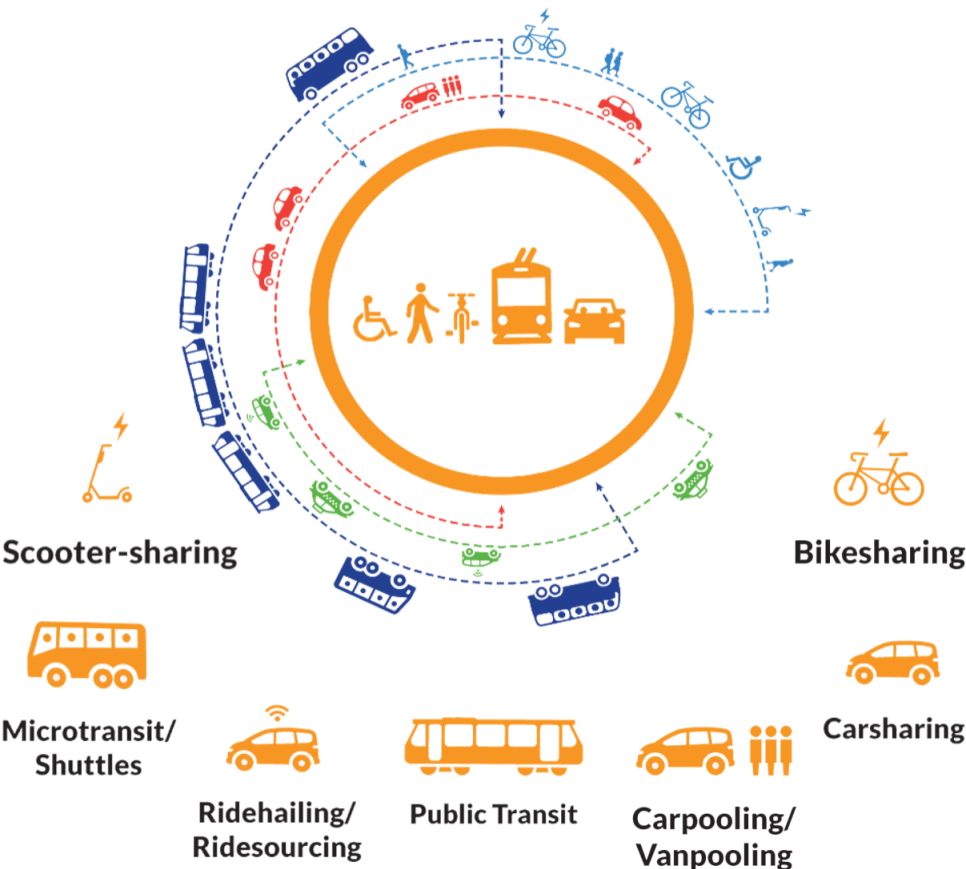


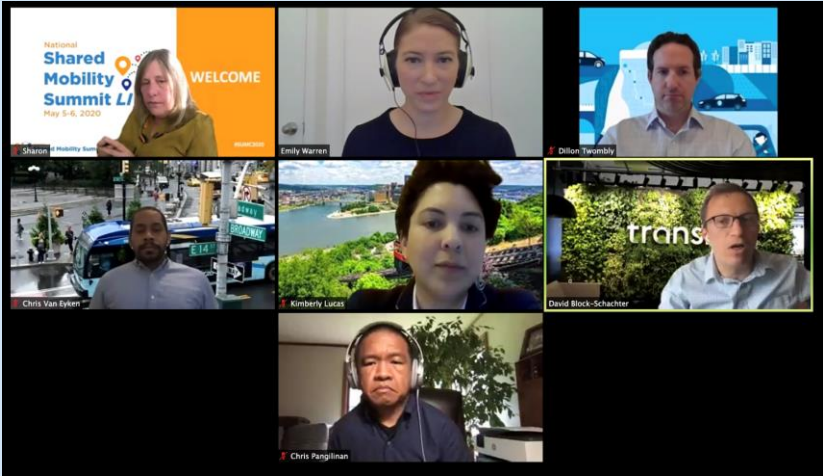
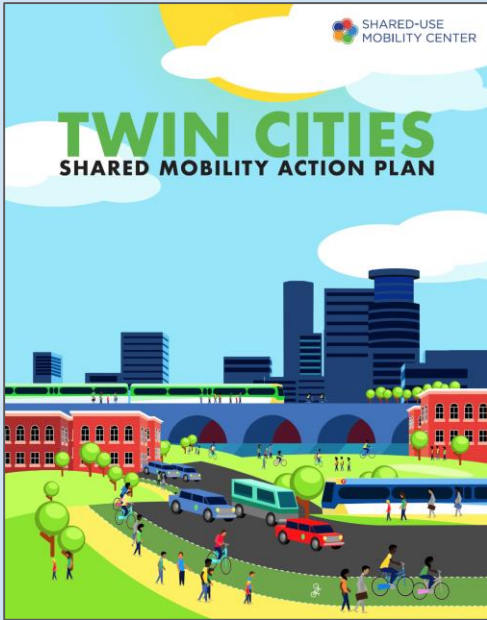
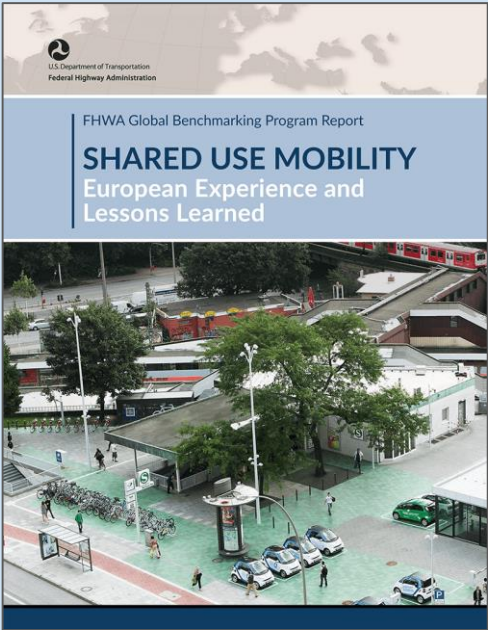
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Creating a Multimodal Transportation System that Works for All




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Mobility on-Demand Learning Center

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Learning Module: Microtransit



Credit: SUMC

Overview

Microtransit, like most on-demand mobility services, is less a completely new mode than an evolution of existing modes enabled by technology. Unlike many of the other shared modes, microtransit can take many forms in how it operates, the types of vehicles it uses, and the forms of partnerships (if any) that enable it. This variation leads to a wider range of definitions than the other shared modes, as discussed below. The broad range of possible applications for microtransit can also lead to its use for meeting existing transportation challenges. This Learning Module attempts to bring the mode into focus for public agency planners. An examination of previous pilots and resulting studies indicate that microtransit is not a one-size-fits-all solution. Rather, it is one of many tools available to help meet the mobility needs within a community.

Case Study: Vermont Flexible Trip Planner: Bringing Fixed and Flexible Transit Together on a Single Platform

Author: Shared Use Mobility Center

The Vermont Agency of Transportation (VTTrans), in partnership with Trillium Solutions and Cambridge Systematics, developed an online trip planning tool that provides statewide options that include flexible transportation services such as dial-a-ride, hail-a-ride, and deviated fixed-route trips. The tool allows users—and in particular, rural transit system users—to gain a more complete picture of their mobility options when planning a trip. The online platform was developed as a pilot project within the Federal Transit Administration's Mobility-on-Demand Sandbox program. Since its launch, several other transit agencies have taken steps to replicate the initiative's resulting technologies.

This case study explores how VTTrans developed and marketed this tool, as well as its implications for the future of multi-agency, one-stop-shop trip planning platforms.

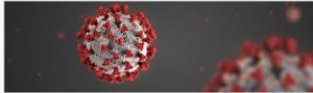


Source: VTTrans; tablet displaying trip planning tool in front of VT Moover Bus

Case Study: COVID-19 Resource Homepage

On March 11th, 2020, the World Health Organization declared [coronavirus COVID-19](#) a worldwide pandemic. While responses to the spread of COVID-19 throughout the spring of 2020 varied by outbreak severity, location and culture, many people around the globe found themselves suddenly facing unfamiliar restrictions on their movements and their access to familiar services.

This homepage aims to serve as a centralized hub for insights into how cities and transportation sectors have been impacted by the virus and the resulting travel restrictions, as well as how public agencies and shared mobility operators have responded. The page will be regularly updated as new resources become available, and as trends and lessons emerge in the aftermath of the crisis.



Source: CDC

In This Case Study

OverviewSUMC PublicationsExternal Resources

Date

May 18, 2020

Topics


CoronavirusCOVIDCOVID-19

Modes

SUMC Publications

Status Updates:

These status updates are part of SUMC's ongoing effort to explore how cities and transportation sectors are impacted by the novel COVID-19 coronavirus. Subsequent status updates on the coronavirus's impact on transit and shared mobility will be published as new information is shared.

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Shared Mobility Benefits Calculator: Portland, OR, USA

Current Statistics

Population	630,331	Total Commuters	335,088
Vehicles	391,408	Transit Commuters	41,334
Households	260,949	Carpool Commuters	29,758
Transportation CO ₂	1,735,311	Vanpool Commuters	209

Calculate the potential benefits for Portland

Fixed Setting sets an overall percent reduction target and calculates savings across a set mix of modes.

Mixed Setting allows you to customize the targets for each mode and see the overall impact.

Set Overall Emissions Reduction by Mode

Select Approach: Fixed SettingMixed Setting

Emission Reduction Desired: 25%90%

433,828 CO₂ Reduction tonnes per year

1,066,955,224 Vehicle Miles Traveled (VMT)

Reductions by Transit and Shared Mobility

Bikeshare

Add 10,794 bicycles

Shared Scooter

Add 11,124 scooters

Carshare Cars

Add 2,495 shared cars

Transit Commuters

Add 114,592 transit commuters

Carpool Commuters

Add 53,974 carpool commuters

Vanpool Commuters

Add 22,835 vanpool commuters

Telecommuters

Coming Soon

Additional Reductions Through Electrification

Transit Electrification

Replace 100% of transit vehicles

Carshare Electrification

Replace 100% of carshare vehicles

Personal Vehicle Electrification

Replace 50% of personal vehicles

Impacts of Shared Mobility Plus EVs

987,034 Total CO₂ Reduction including electrification

56.9% Final CO₂ Reduction including electrification



MOD On-Ramp Program

Objectives

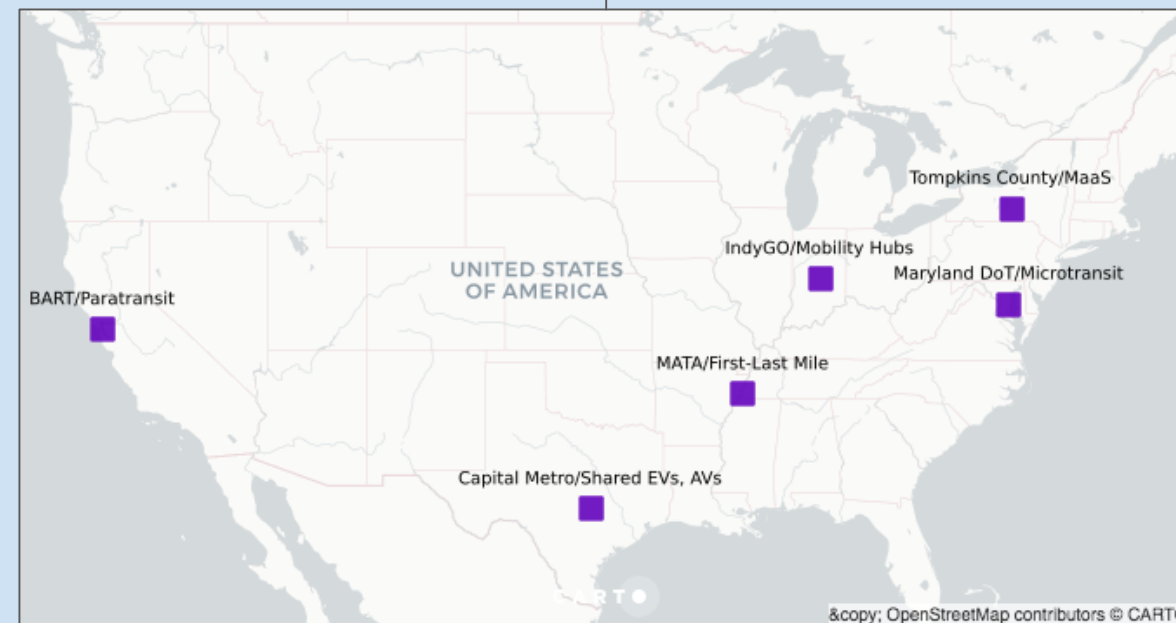
The MOD On-Ramp program serves as an incubator to develop innovative mobility ideas and to convert them into implementable (business) plans

Participate in a community of transit agencies developing MOD projects

Create practical knowledge and lessons learned to disseminate with the transit and mobility industry



MOD Sandbox Projects



MOD On-Ramp Project Selection Process

Call for applications and webinar

About 40 applications received

Independent reviewers group

Criteria-based project selection

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The Shared-Use Mobility Center Announces the On-Ramp, a New Program to Help Transit Agencies Develop Innovative Partnerships to Advance Mobility On Demand
By Colin Murphy | February 6, 2018 | MOD On-Ramp, News, Press Release SHARED-USE
MOBILITY CENTER WHO WE ARE ▾ WHAT WE DO ▾
Six Public Transportation Agencies Selected for the Mobility on Demand On-Ramp Program
By Israel Ramirez | June 20, 2018 | MOD On-Ramp, News, Press Release, Transit

Technical Assistance

Applied Research

Community of MOD agencies

Project-Building Strategies

Facilitate Partnership

Community Engagement

Plan Development

Identify Funding



**You are invited to
attend a **COMMUNITY
MEETING** to
learn more about a
new **BOXTOWN** and
WESTWOOD
neighborhood
PUBLIC TRANSIT
project**

Join the MATA team on
Wednesday, November 14
at 1:30 AND 6 p.m.
at the Charles Powell
Community Center
810 Western Park Drive



Activities

Technical Assistance

Monthly calls

Webinars

On-Site Visits

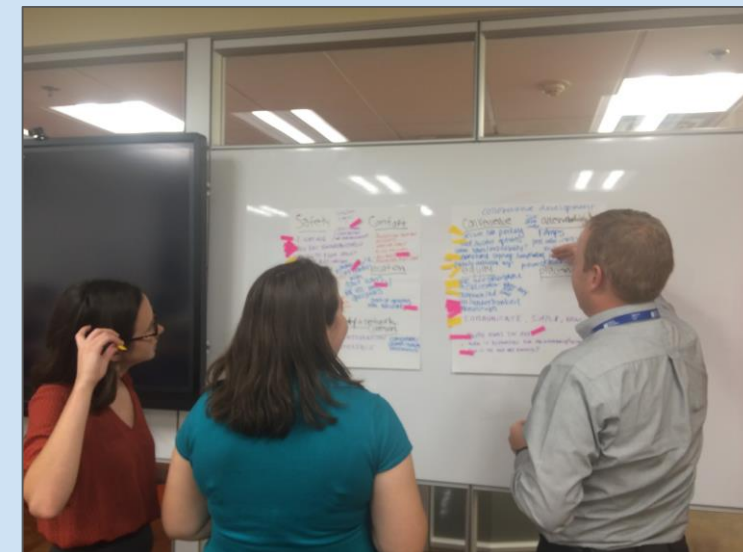
Local Workshops

National MOD Workshops

Industry Events



Local Workshops



MOD National Workshops



Lessons Learned

Projects moving towards Implementation

Transit Agencies becoming Mobility Integrators

Innovative Partnerships

Integration of Technologies

Expanding Mobility Options



THANKS



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