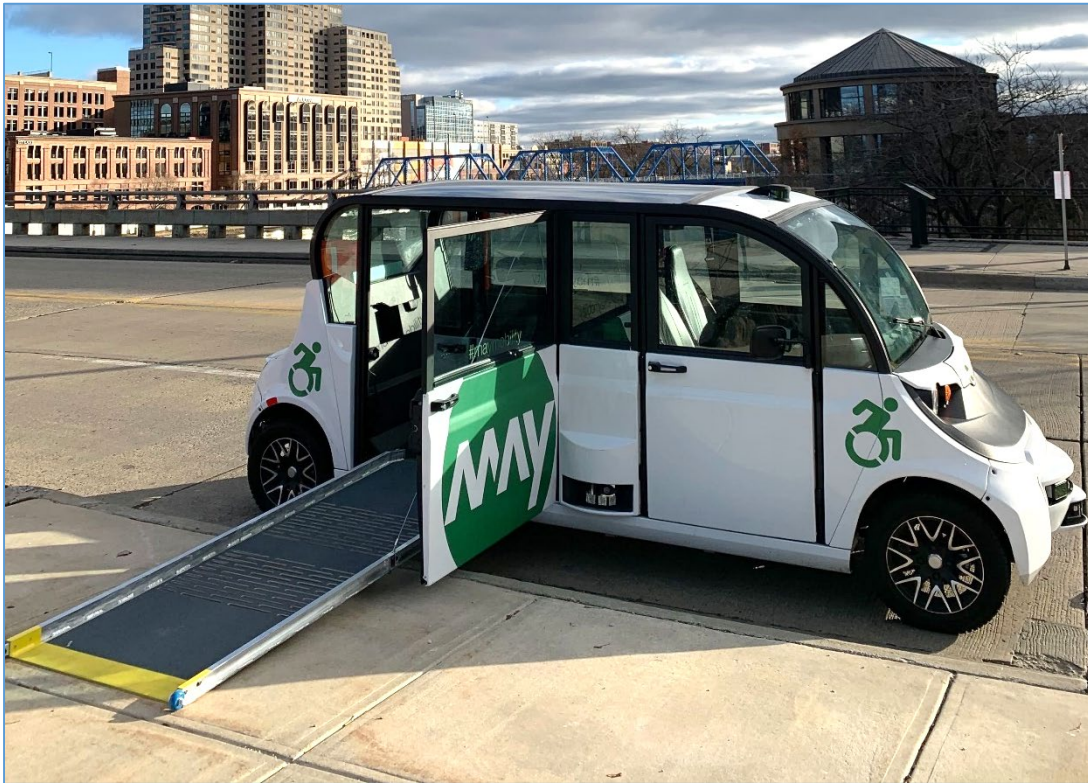


Innovative Deployments to Enhance Arterials (IDEA) Shared Automated Vehicles (SAV) MTC Technical Assistance Program



Source: May Mobility



Source: Easymile

Draft Program Overview – September 2020

IDEA SAV Program Goal, Objectives and Process

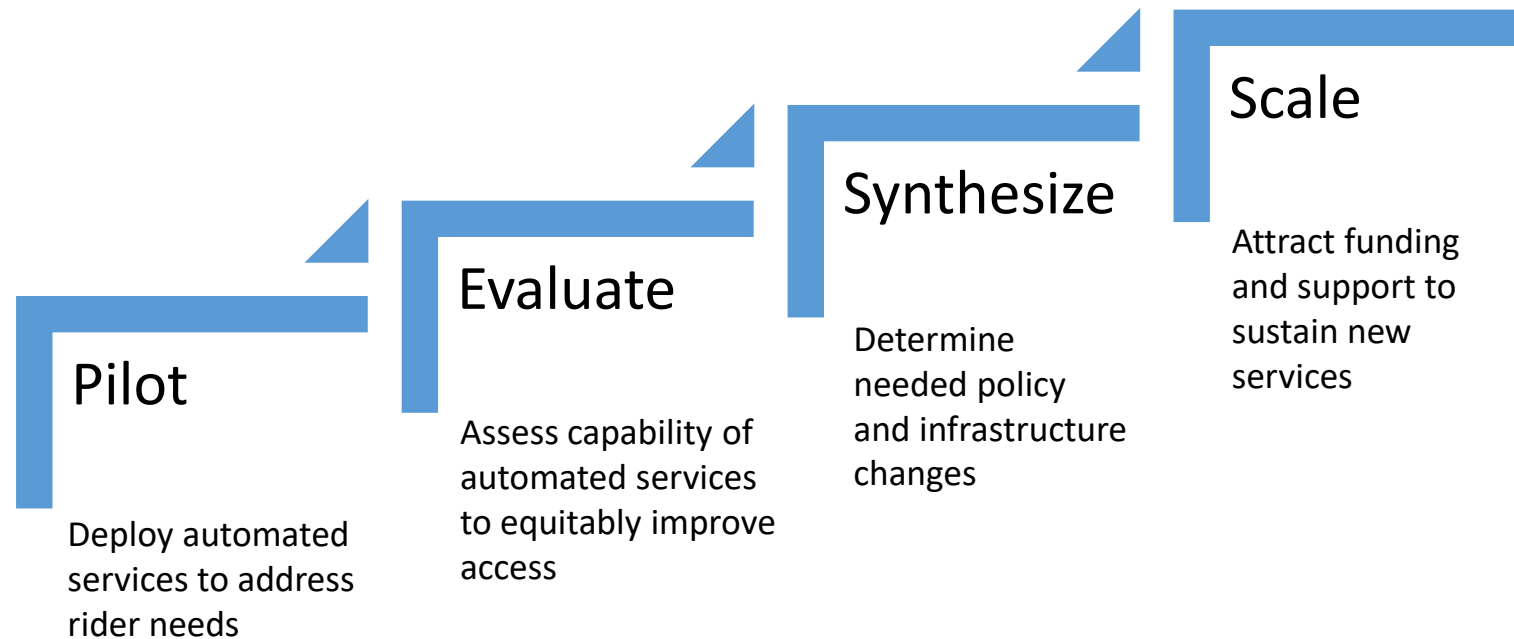
Goal

Equitably improve safety, mobility and environmental outcomes through shared automated vehicle deployments.

Objectives

1. Deploy automated vehicle and/or complementary technologies to improve public sector knowledge and readiness for automated transportation scenarios.
2. Improve disadvantaged communities' access to mass transit.
3. Improve the accessibility of automated shared passenger services.
4. Improve transit system performance through automated vehicle technology.

Process



Eligible Technology Solutions for IDEA SAV Grant Funding

SAVs

- Focus is on SAE Level 3-5 (Highly Automated Vehicles).
- Vehicles should be designed and operated to carry multiple passengers.
- Preference is for accessible vehicles and operations targeted at disadvantaged groups.



SAV Complementary Technologies

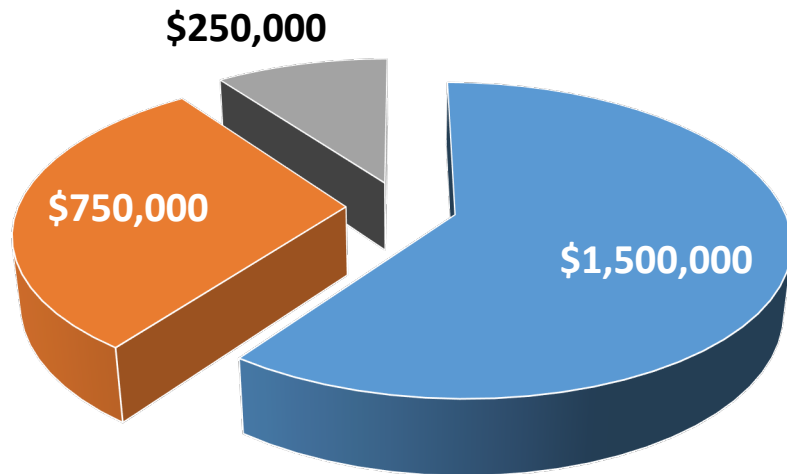
These include, but are not limited to, solutions that support:

- Automated vehicle safety;
- Passengers who are disabled, elderly and/or lack access to technology;
- First/Last Mile connections to mass transit;
- Vehicle-to-Everything (V2X) communications;
- Passenger experience in a driver-less environment; and
- Vehicle locationing and sensor accuracy.



Budget / Funding Details

IDEA SAV Program Budget (Total \$2.5M)



- Project Implementation
- Technical Assistance/Evaluation
- Contingency

- Grants (Implementation Line)*
 - ✓ Minimum award: \$500,000
 - ✓ Maximum award \$1,000,000
- Minimum Match Requirements:
 - ✓ Local Cash Match = 35% of total project cost
- Fund Sources:
 - ✓ Surface Transportation Program (STP)
 - ✓ Funds for Non-Construction Activities Only



*Award amounts deducted for MTC-led systems engineering

IDEA SAV Program Timeline

