SMART CITIES

State Representative Jason Fischer

FLORIDA
AUTOMATED
VEHICLES

Smart City Goals

➢ Develop smart mobility solutions to local transportation challenges.

➢ Safe and efficient movement of people and goods.

➢ Enhance education and workforce development opportunities.

➢ Meet the mobility needs of the transportation disadvantaged.

➢ Advance autonomous, connected, and electric vehicle readiness.

Smart City Policy

Federal Program

➢ 2015: United States Department of Transportation (USDOT) launched the Smart City Challenge.

➢ Goal of the challenge: ask mid-sized cities "to develop ideas for an integrated, first-of-its kind smart transportation system that would use data, applications, and technology to help people and goods move more quickly, cheaply, and efficiently."

➢ Columbus, Ohio was selected to receive USDOT grant of $40 million.

➢ 78 applicants including Jacksonville, Miami, Orlando, Saint Petersburg, Tallahassee, and Tampa.

➢ Announced additional $65 million in grants to support smart city projects in 2016.

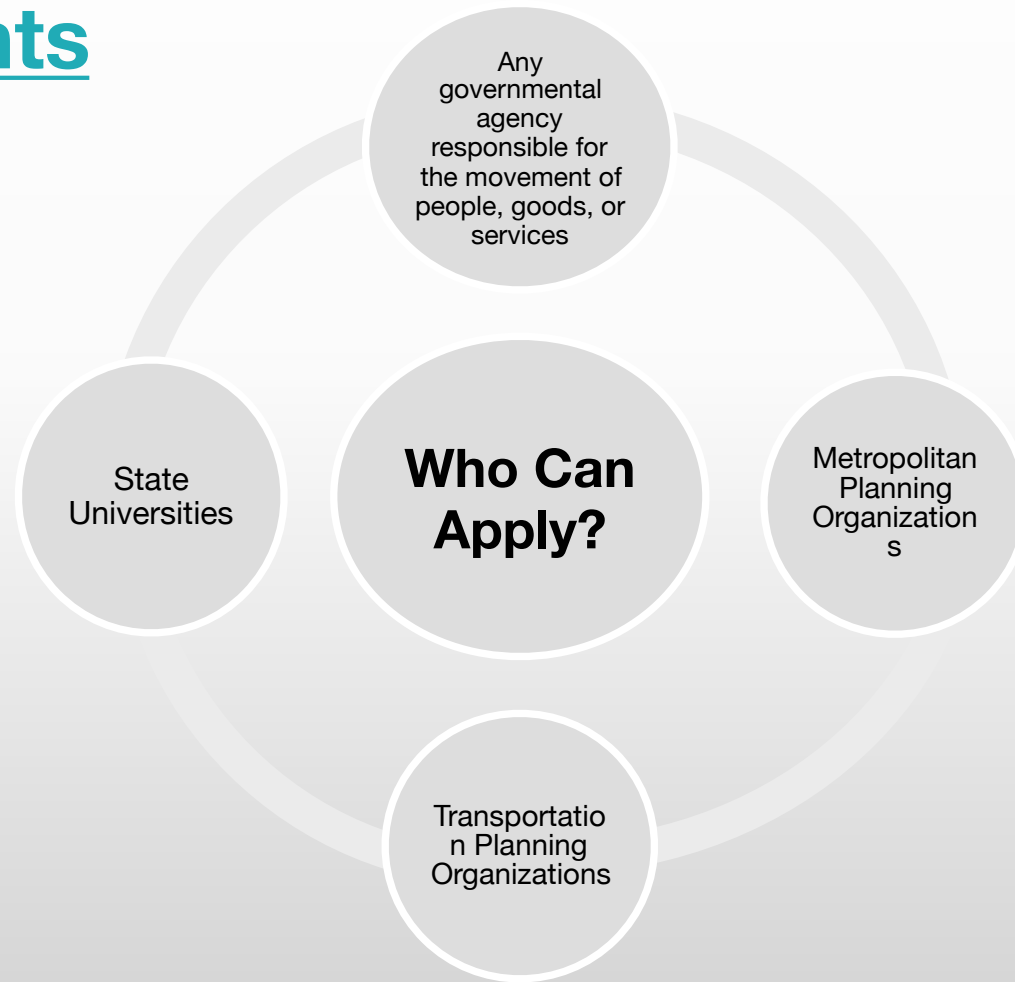Source: https://www.transportation.gov/smartcity

State Program

➢ 2017: Legislature created the Florida Smart City Challenge Grant Program and appropriated $325,000 towards it.

➢ Goal of challenge: for grant applicants to demonstrate and document the adoption of emerging technologies and their impact on the transportation system.

➢ Required Florida Department of Transportation and Florida Department of Highway Safety and Motor Vehicles to develop program and establish eligibility requirements, subject to appropriation.

➢ Funds for the program were vetoed, but the program remained in Florida Statute, unfunded, until July 1, 2018.

2018: House Bill 633 Florida Smart City Challenge Grant Program Objectives

➢ Create a permanent Florida Smart City Challenge Grant Program within Florida Department of Transportation.

➢ Deploy smart city technology that has an immediate impact on the safe and efficient movement of people and goods.

➢ Provide enhanced education and workforce development opportunities by deploying emerging technologies in Florida which support the workforce of the future.

➢ Support the mobility needs of Florida's aging population.

➢ Create a nationally recognized smart mobility demonstration community in Florida.

2018: House Bill 633 Florida Smart City Challenge Grant Program- Eligibility Requirements

Any governmental agency responsible for the movement of people, goods, or services

State Universities

Who Can Apply?

Metropolitan Planning Organizations

Transportation Planning Organizations

2018: House Bill 633 Project Categories for Applicants

Autonomous vehicle deployment or demonstration

Connected vehicle technology deployment

Shared mobility services innovation and deployment

Acceleration of the use for plug-in electric vehicles and electric charging infrastructure, including deployment of grid-integrated vehicles

Award of Grants

➢ Contingent upon appropriation, the grants will be awarded to at least three recipients.

➢ Grant can fund up to 50% of the project's costs.

➢ Grant recipients should fund at least 10% of the project's costs.

➢ Florida Department of Transportation will prioritize projects that demonstrate the availability of matching funds from private and/ or public partners.
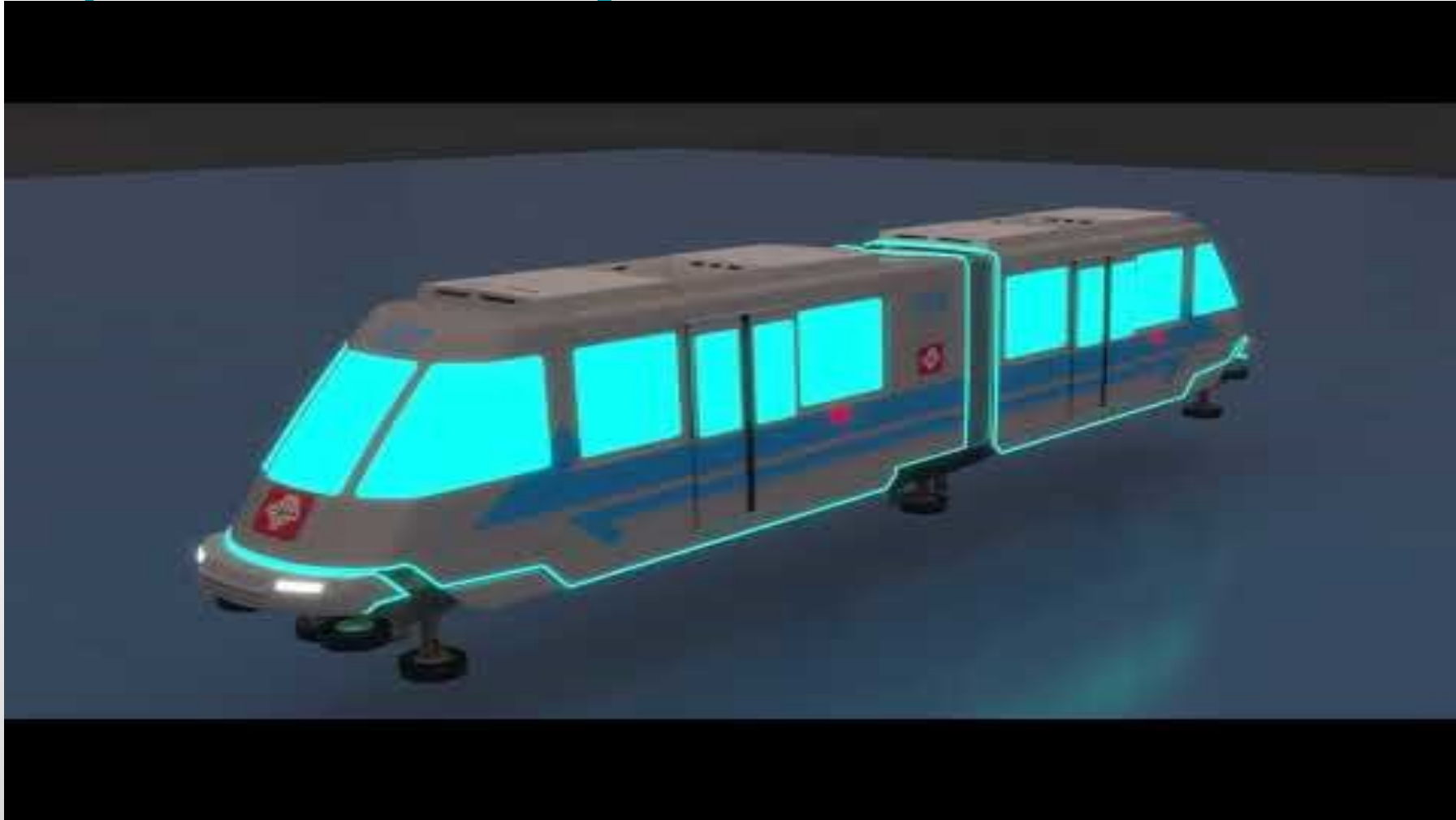
Status Check: House Bill 633 Smart City Challenge Grant Program

➢ 2018 legislation passed all committees of reference in the House and Senate:

   ➢ ***House of Representatives Committee References***

      ➢ Transportation and Infrastructure Subcommittee

      ➢ Transportation and Tourism Appropriations Subcommittee

      ➢ Government Accountability Committee

   ➢ ***Senate Committee References***

      ➢ Transportation

      ➢ Appropriations Subcommittee on Transportation, Tourism, and Economic Development

      ➢ Appropriations

Smart City Goals for 2019 Session

➢ Reinstate the Smart City Challenge Grant Program in Florida Statute.

➢ Ensure State funding is available to implement the program.

➢ Advance Florida's autonomous, connected, and electric vehicle deployment and readiness.

Going Forward: Smart City Vision, Jacksonville Transportation Authority

Video Source: Jacksonville Transportation Authority
https://youtu.be/OKuta_hPRWU

QUESTIONS?

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