



Florida Department of
TRANSPORTATION



Department of Urban
& Regional Planning

The Florida Metropolitan Planning Organization Advisory Council Meeting



November 7, 2017
Panama City Beach, Florida

**Autonomous Vehicle Policy Guide for Public
Transportation in Florida MPOs**



**Florida State University
Florida Planning and Development Lab
Fall 2017 Studio**

Purpose

Conduct research and develop guidance for MPOs, transit agencies and local governments to begin to

- Prepare for
- Pilot, and
- Implement

transit applications of EV-AV-CV technologies.

Special Focus

- Develop model policy language for LRTP updates
 - Outline costs and considerations for infrastructure and equipment investment
 - Develop conceptual urban design guidance to showcase potential solutions for technology integration
-
-



Department of Urban
& Regional Planning

Team

Florida Planning and Development Lab

- Dennis Smith
- Jeremy Crute

Graduate Student Capstone Project Members

- Marshall Anderson
- Glennika Gordon
- Christopher Ibarra
- Jenna Osbun
- Ronnie Shelly
- Ryan Wenger

Florida Department of Transportation

- Gabrielle Matthews
-
-

Tasks

Task 1 – Literature Review of Transit Applications of AV Technology

Task 2 – Stakeholder Outreach

Task 3 – Assessment of Automated Transit Technology and Applications

Task 4 – MPO Automated Transit Policy and Implementation Guidance

Task 5 – Conceptual Urban Design Guidance

Task 6 – Interim Studio Report

Task 7 – Draft Final Report and PowerPoint Presentation

Task 8 – Final Report and PowerPoint Presentation

Status

Task 1 – Literature Review of Transit Applications of AV Technology

Draft research completed;

Purpose, Methodology, History, Benefits of AV, Transit
Considerations

Review-based suggestions;

Transit agencies, Regional transportation Planning, Concerns
(Land Use, Safety, Legal, Ethics, Equity, Government Role)

Model State Policy

Status

Task 2 – Stakeholder Outreach

Florida Outreach – Survey;

Survey Summary, Methodology, Themes from LRTPs

Nationwide Outreach;

Six states (TX, NY, MI, GA, NV, AZ)

New York and Texas experiences

Status

Task 3 – Assessment of Automated Transit Technology and Applications

Public Transportation Networks

Dedicated Infrastructure

Autonomy;

Levels, Three Pillars

Categories;

Retrofit, Shuttles, Autonomous Buses, Carts

Timeline

October 12, 2017 – *Presentation to MPOAC Staff Directors' Committee*

October 27, 2017 – Technical Memoranda for Tasks 1 – 3

November 7, 2017 – *Presentation to MPOAC*

November 14-15, 2017 – *Florida AV Summit*

December 12, 2017 – Technical Memoranda for Tasks 4 – 5

January 25, 2018 – Studio Interim Report

April 27, 2018 – Draft Final Report and PowerPoint

June 1, 2017, Final Report and PowerPoint



Department of Urban
& Regional Planning

Contact

Dennis J. Smith, AICP
Planner-in-Residence

Florida State University
Department of Urban and Regional Planning
330 Bellamy Building
113 Collegiate Loop
PO Box 3062280
Tallahassee, FL 32306-2280

Desk: [850.645.7170](tel:850.645.7170)
Cell: [850.294.3026](tel:850.294.3026)
Email: djsmith3@fsu.edu
