



Florida Department of  
TRANSPORTATION



Department of Urban  
& Regional Planning

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## The Florida Metropolitan Planning Organization Advisory Council Meeting



November 7, 2017  
Panama City Beach, Florida

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**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.

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## **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
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## 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
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## 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

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## **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

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**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

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## 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

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## **Contact**

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