



**FLORIDA MPOAC GOVERNING BOARD  
COMMITTEE MEETING**

January 28, 2021

Orlando, FL

Commissioner Maddox, Presiding



# **CALL TO ORDER & PLEDGE OF ALLEGIANCE**





# INTRODUCTIONS





**APPROVAL OF MINUTES:  
OCTOBER 29, 2020 MEETING**





## **PUBLIC COMMENTS (NON-AGENDA ITEMS)**





# **EXECUTIVE DIRECTOR'S REPORT**

**UPWP Report**

**Legislative Update**




# UPWP Report

- MPOAC is operating under budget
- AMPO/NARC dues are not yet paid
  - Big ticket item
  - Being paid in current quarter
  - Will still be under budget
- Summary financial table is in the packet



# MPOAC Legislative Update

- Started the Legislative Update Newsletter



**MPOAC** The Florida Metropolitan Planning Organization Advisory Council

*Commissioner Nick Maddox  
Chair*

**MPOAC Legislative Newsletter**  
**01/16/2021**

**Overview**

Greetings, and good evening readers! Your newsletter is arriving about 12 hours early because your writer has a number of things to accomplish tomorrow morning. It is your same newsletter and as always, it goes great with a cup of coffee. We have completed the first week of pre-session committees and it was not a particularly eventful week in the Florida capitol. Perhaps this is because in contrast to national events virtually nothing in Tallahassee this week could capture the attention of the nation or Floridians. If there is anything that stands out from this pre-session week, it is that the budget for the coming year is not going to be fun to build due to the expected reduction in state funds. Hard reductions will have to be made.

We are a transportation newsletter so let's look at all things transportation. Leading off, the Florida Department of Transportation (FDOT) presented to the Senate Transportation Committee. The presentation went well and the Senators asked questions which demonstrated that they understand the issues facing the department and our transportation system. One of the more interesting moments for me was when Senator Perry began asking about the impacts of electric vehicles on the revenues used to pay for our transportation system. In case you have not had your cup of coffee yet, every gallon of gas purchased has a fee on it that goes to the transportation trust fund. That money pays for our transportation system. Since electric vehicles don't use gasoline, they don't pay this fee. Effectively, electric vehicles are using our transportation for free while other drivers pay for the system. The big moment came when the Chair, Senator Harrell announced that a presentation on this topic would be held at a future committee meeting. This is good news and hopefully will produce legislation that balances how we pay for our transportation system. For those of you who attended the January 2020 MPOAC meetings, you may recall we had a presentation on the adoption of electric, automated and alternatively fueled vehicles. The presentation addressed the financial impacts expected. Here is a link to the presentation power points if you are interested:  
[https://www.mpoac.org/download/2020\\_meetings/january\\_30\\_2020\\_meeting\\_documents/AV-AEV-Analysis.pdf](https://www.mpoac.org/download/2020_meetings/january_30_2020_meeting_documents/AV-AEV-Analysis.pdf)

Also in this presentation was a status update on M-CORES. If you wish to watch the discussion please visit this video link: [https://flsenate.gov/media/videoplayer/?EventID=1\\_3wpkmbb-202101121530&Redirect=true](https://flsenate.gov/media/videoplayer/?EventID=1_3wpkmbb-202101121530&Redirect=true)

The rest of the presentation addressed the current FDOT budget and here is a quick summary:

- Total transportation budget - \$10.3B
- Of that - \$2.2B for highway construction, 832.5M for resurfacing, \$126M for seaports, \$436 for bridge construction and \$401M for aviation.
- Federal funds account for 25% of the budget, tolls are 18% and state funds are 51%, the rest is spread out in various revenues.

*Cari Mikyska, Executive Director*  
605 Suwannee Street, MS 28B · Tallahassee, Florida 32399-0450  
1-866-374-3368 x.4037 or 850-414-4062 · Fax 850-414-4895  
[www.mpoac.org](http://www.mpoac.org)

- Please share with others
- Point out bills you want added
- Call with questions



# General Overview

- Still early in the session
  - Hard to determine what will move
- Budget, Budget, Budget
  - Expect \$2-3B cut
  - \$78 B to \$91B
- What we have not seen
  - Department of Transportation Bill
  - Companion Bills (still early, only 2 of 5 pre-weeks)

# Bills We Are Watching

- SB 62 – Regional Planning Councils
- HB 57 – Transportation
- HB 91- Use of Phone While Driving
- SB 138 – Electric Vehicles (and SB 140)
- HB 205 – Requirements for Establishing or Increasing Tolls

# Bills We Are Watching

- HB 229 – Hazardous Walking Conditions for K-12 Students
- SB 278 – Traffic Offenses (Vulnerable Road User Act)
- SB 566- Motor Vehicle Rentals
- HB 6009 – Traffic Infraction Detectors (Red Light Cameras)



# **AGENCY REPORTS**

**Florida Department of Transportation  
and  
Federal Highway Administration**



# Florida Department of Transportation



# Federal Highway Administration



# Transportation Performance Management (TPM)

## *Recent Updates*

January 2021



U.S. Department of Transportation  
**Federal Highway Administration**

## Recent TPM Activities



- Oct: FHWA Determined FL Interstate Pavement Condition in Compliance
- Oct: FHWA Accepted PM1 HSIP Implementation Plan
- Nov 16: FHWA Accepted (as complete) FDOT Submitted Mid Performance Period Progress Report (MPPR)
- Nov 23: 23 CFR 667 Evaluation of Facilities Required for STIP Amendments
- Jan 12: FHWA Determined FDOT Submitted PM2/PM3 Mid Performance Period Progress Report (MPPR) made significant progress.



## Recent TPM Activities



- 23 CFR 667 Evaluation of Facilities
  - FDOT including statement in STIP Amendment Request for Approval email
  - Working on adding a radio button in the Online STIP Amendment Tool
- FHWA FL Updated PM3 Performance Measures Tracking for Each MPO Based on FDOT Mid-Performance Report – Contact your Planner for additional information



## Upcoming TPM Activities



- Feb 27: MPOs set 2020 Safety Targets
- When Updating TIPs, remember to address the HSIP Safety Target Implementation Plan



***Whether you are a driver, passenger, or  
pedestrian...***

***highway safety depends on YOU.***

***Be observant and be adaptable to be safe.***



U.S. Department of Transportation  
Federal Highway Administration



# **MPOAC STAFF DIRECTORS' BUSINESS ITEMS & PRESENTATIONS**



# MPOAC Legal Services Contract

- Paul's Contract is an annual contract
- Similar to last year
- Seeking your recommendation for approval





# Resolution Seeking MPOAC Membership Florida Traffic Records Coordinating Committee

- Committee is Governed by an Executive Board
- Technical Comm. meets quarterly
  - Handles day-to-day issues
- Seeking MPOAC membership on Technical Comm.
- Seeking an Advisory Role on Executive Board





Association of  
Metropolitan  
Planning  
Organizations

# AMPO Update

January 28, 2021

Committed to enhancing MPOs' abilities to improve metropolitan transportation systems.

# Florida Representation in AMPO

- Peter Buchwald, St. Lucie TPO
  - Policy Committee Member
- Denise Bunnewith, North Florida TPO
  - Technical Committee Member
- Eric Hill, MetroPlan Orlando
  - Automated and Emerging Technology Working Group Leadership
  - Technical Committee Member
- Gary Huttman, MetroPlan Orlando
  - Policy Committee Member
- Erica Lychak, Broward MPO,
  - Technical Committee Member
- Carl Mikyska, MPOAC Florida
  - Policy Committee Member
- Greg Stuart, Broward MPO
  - AMPO Board Member
- Anthea Thomas, Broward MPO
  - Public Involvement Working Group Leadership
- Gena Torres
  - Active Transportation Working Group



# Working Groups

JOIN WORKING GROUP



**ACTIVE  
TRANSPORTATION**



**GIS & DATA  
VISUALIZATION**



**PUBLIC  
INVOLVEMENT**



**AIR QUALITY**



**PERFORMANCE BASED  
PLANNING &  
PROGRAMMING**



**EMERGING  
TECHNOLOGIES**



**DATA**



**FREIGHT**




**TRAVEL MODELING**

Visit [ampo.org](http://ampo.org) to learn more.

# My AMPO

Admin view  
MAIN SITE

HOME FORUM DIRECTORIES AMPO EMAIL MY ACCOUNT



## WELCOME TO MY AMPO

AMPO is your transportation advocate for metropolitan regions and is committed to enhancing MPOs' abilities to improve metropolitan transportation systems.

### MY ACCOUNT

Leslie Reardon

[View profile](#)

[Change password](#)

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### BECOME A MEMBER

AMPO offers multiple membership levels with a full range of benefits. We provide a forum for our members with policy updates and advocacy support, technical expertise and committee opportunities, peer-to-peer networking events and educational development. Click below to learn more about membership benefits and join up today!

[LEARN MORE](#)

# Technical Symposium



# Annual Conference





## **Mayor Pete Buttigieg confirmation hearing before the Senate Commerce Committee on January 21, 2020**

- Committee vote 1/27/2021

### **Key appointments and nominations will continue**

### **Policy Priorities/Lens through which grants will be reviewed**

- Safety
- Reducing the impacts of climate change
- Reducing GHG
- Expanding electrification infrastructure
- Higher investments in transit and passenger rail

# Key Infrastructure Committee Leaders



## House

- Peter DeFazio (OR) Chairman T&I, Sam Graves (MO) RR
- Frank Pallone (NJ) Chairman Commerce [autonomous vehicle, broadband], Cathy McMorris Rodgers (WA) RR
- Richard Neal (MA) Chairman W&M, Kevin Brady (TX) RR

## Senate (post organizing resolution)

- Tom Carper (DE) Chairman EPW, Shelly Moore-Capito RR
- Sherrod Brown (OH) Chairman Banking, Pat Toomey (PA) RR
- Maria Cantwell (WA) Chairman Commerce, Roger Wicker (MI) RR
- Ron Wyden (OR) Chairman Finance, Mike Crapo (ID) RR

# 117<sup>th</sup> Congress



- **Senate still trying to organize under 50/50**
  - Republicans want a commitment to protect the minority rights to filibuster
  - Committees still in Republican Majority until operating resolution is passed
- **House has passed Rules for conducting business**
  - Members have been assigned to committees and preparing to organize
- **President Biden has proposed a \$1.9 billion emergency relief package**
  - Vaccination programs, relief to families and small business, extending unemployment benefits, rental assistance, reopening schools, and raising the minimum wage among many other ideas.
  - The plan includes \$350 billion to state and local governments to keep front line public workers on the job and paid and maintaining other vital services.
  - \$20 billion for public transportation

# Surface Transportation



## Extension of the FAST Act until September 30, 2021

### Congress passes 2021 Appropriations with Pandemic Relief

- \$1 billion BUILD Grants
- Adhered to FAST Act spending - \$46B Highways, \$10.8B transit formula
- CIG - \$2B
- Extra highway general funds \$2B
  - \$1B for bridge program
  - \$352M suballocated by population
- Extra transit general funds \$516M
- \$10B State DOT Coronavirus relief, 100% federal
  - \$1.4B suballocated to TMAs
- \$14B Transit Coronavirus relief, 100% federal
- Billions to other modes in relief funding

# Reauthorization in the 117th



## **AMPO Policy Committee will revise and update federal recommendations**

- AMPO Policy/Tech Committees joint working groups on broadband and electrification

## **AMPO is scheduling meetings with Biden nominated USDOT officials**

## **AMPO communicated with all the senior staff of the key Congressional Committees**

- AMPO is preparing a state-by-state legislative briefs to distribute to 535 congressional offices

## **AMPO has offered to testify at Congressional hearings**

- Committees have not released the schedule of hearings yet

## **AMPO will continue to partner with LOT Coalition**

# Reauthorization in the 117th



## **Chairmen DeFazio move a bill similar to the INVEST Act**

- Earmarks may return
- Will conduct outreach to member and hold hearings
- Approve a bill before August
- Bipartisan?

## **Chairman Carper**

- Write a new bipartisan bill
- Approve a bill by August

**Will Congress wait for the President to send a detailed legislative proposal?**

# Reauthorization in the 117th



## **As always - no agreement on paying for the bill**

- Increase gas tax? Not likely.
- VMT? Not ready.
- General Fund Transfer? Likely, but from where?
- Borrow and add to the federal deficit? Maybe.
- Will Congress use the budget process known as “reconciliation” to increase revenues for transportation? We will see.

# Thank you



Contact for more info:

Bill Keyrouze, [bkeyrouze@ampo.org](mailto:bkeyrouze@ampo.org)

Caitlin Cook, [ccook@ampo.org](mailto:ccook@ampo.org)







# EV Vehicle Master Plan (EVMP)

Jennifer Fortunas, P.E.

Manager, Forecasting and Trends Office

FDOT

MPOAC – 01/28/2021





## Purpose

### Goals and objectives:

- Support both short-range and long-range electric vehicle travel;
- Encourage the expansion of electric vehicles use in this state; and
- Adequately serve evacuation routes in this state.

120 Section 3. Section 339.287, Florida Statutes, is created to  
121 read:  
122 339.287 Electric vehicle charging stations: infrastructure  
123 plan development.  
124 (1) The Legislature finds that:  
125 (a) Climate change may have significant impacts to this  
126 state which will require the development of avoidance,  
127 adaptation, and mitigation strategies to address these potential  
128 impacts on future state projects, plans, and programs;  
129 (b) A significant portion of the carbon dioxide emissions  
130 in this state are produced by the transportation sector;  
131 (c) Electric vehicles can help reduce these emissions,  
132 thereby helping to reduce the impact of climate change on this  
133 state;  
134 (d) The use of electric vehicles for non-local driving  
135 requires adequate, reliable charging stations to address  
136 electric vehicle battery range limitations;  
137 (e) Having adequate, reliable charging stations along the  
138 State Highway System will also help with evacuations during  
139 hurricanes or other disasters;  
140 (f) Ensuring the prompt installation of adequate, reliable  
141 charging stations is in the public interest; and  
142 (g) A recommended plan for electric vehicle charging  
143 station infrastructure should be established to address changes





# Electric Vehicles and Electric Vehicle Infrastructure - Overview

## Plug-In Hybrid Electric Vehicle (PHEV)

- Battery + internal combustion engine (ICE)

## Battery Electric Vehicle (BEV)

- Battery-only
- 40-300 mile range, depending on make/model



## EV Infrastructure

### Level 2

- Slower charging speed (>2 hours-full charge)
- Short-range travel (commuting, intra-regional)
- Currently dominant





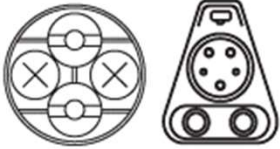
### Direct Current Fast Charger (DCFC)

- Fast charging speed (~30 minutes-full charge)
- Long-range travel (evacuation, inter-regional)
- Future-oriented





# Electric Vehicle Supply Equipment (EVSE)

EVSE Type	Supply Voltage	Charger Examples	Power Level	Charge Rate (miles / hr)	Cost to Install	Use Cases
<b>Level 1</b>	120V (Toaster)	 J1772 Connector	1 - 1.8 kW	3 - 7	\$	Home / Overnight
<b>Level 2</b>	208-240V (Clothes Dryer)	 J1772 Connector	3.3 - 19.2 kW <hr/> 7.7 kW typical	10 - 60 <hr/> 26	\$\$	Home / Work Destination Charging
<b>DC Fast Charger</b>	480V (Commercial HVAC Unit)	 CHAdeMO / SAE Combo	50 kW <hr/> <b>150 kW</b> <hr/> 350 kW	175 <hr/> <b>500</b> <hr/> 1,200	\$\$\$	Roadside / Travel Emergency Charging

## KEY POINTS



**Obsolete for commercial purposes**

**Currently dominant for commercial purposes**

**Most applicable for long-range travel and evacuations**





# Barriers to Electric Vehicle (EV) Adoption



EV cost parity with ICE vehicles - expected to occur 2025-2030.



Range anxiety during longer trips



Lack of EV models available on the market - >50% of vehicles registered in FL are truck/SUV



Lack of dealership knowledge / willingness to suggest EVs; Lack of EVs available at FL dealerships





# Barriers to EVSE Adoption



Low EV customer base /  
Lack of public awareness  
regarding EVSE locations



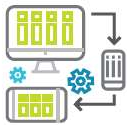
EVSE charging speed –  
function of power delivery  
of EVSE & how much power  
an EV can accept



Service Providers locate  
EVSEs where EV adoption  
is highest – gaps of EVSEs  
in rural and emergency -  
critical areas



Utility demand  
charges



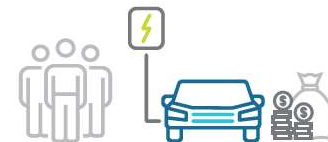
Lack of site-specific  
back-end utility  
infrastructure for DCFC  
stations, especially in  
rural areas



Additional costs when  
providing back-up power  
for emergency-critical  
EVSE locations



Lack of state-level public  
funding to deploy EVSEs,  
especially in low-utilization  
areas

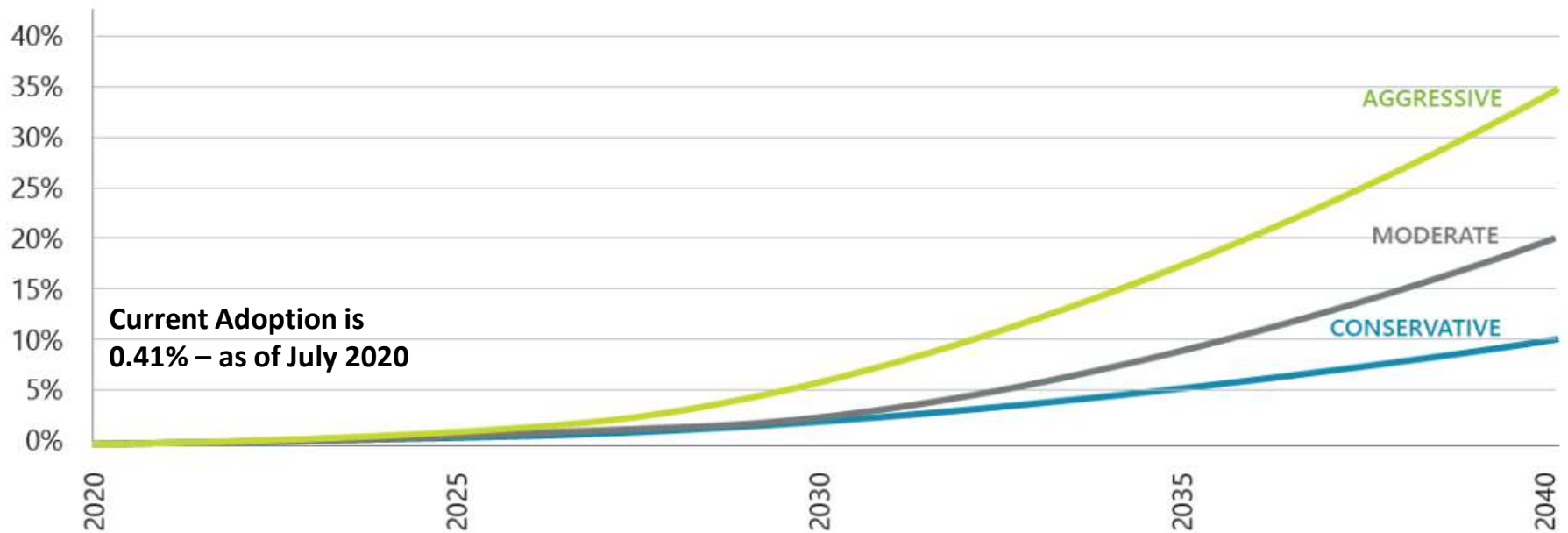


Perception is that gasoline  
is cheap and/or familiarity  
with ICE vehicles





# Florida EV Market Adoption Projections (Light-Duty Vehicles)





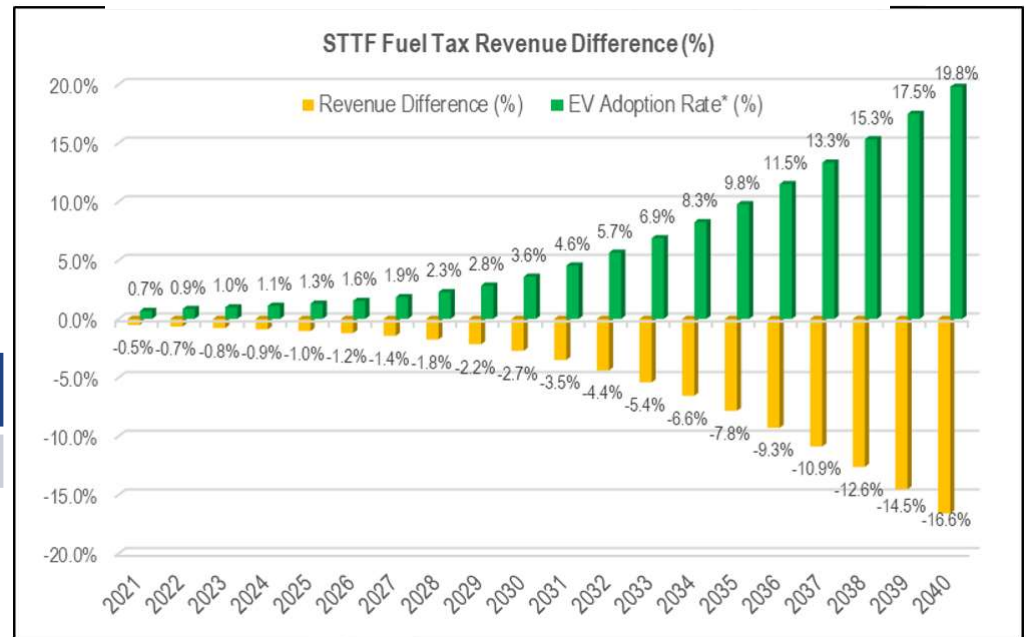
# STTF Potential Revenue Loss Due to Rising EV Adoption

- Analysis does not include other revenue streams that are assumed to remain unchanged and/or align with REC projections

## STTF 2040 Subtotal Net Revenue Loss Projections

Conservative Growth Scenario	Moderate Growth Scenario	Aggressive Growth Scenario
-8.4%	-16.6%	-30.0%

## STTF Subtotal Net Revenue Impact Projection – 2021-2040 – Moderate Scenario

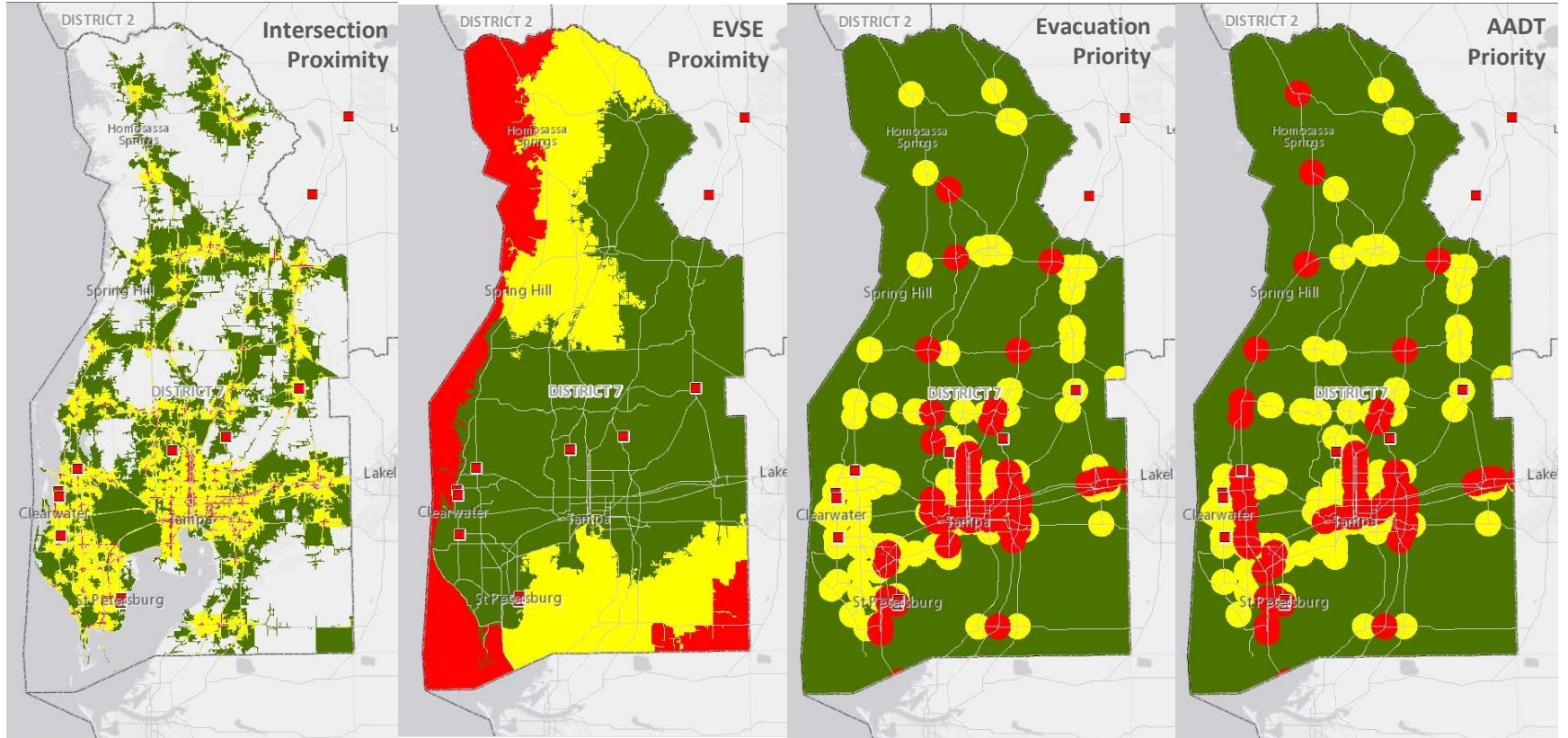


\* EV Adoption Rate represents Light Vehicles only





# Gap Analysis





## Possible Implementation Strategies

- |   |  |
|---|--|
| <p><b>1</b> Develop Goals &amp; Targets</p> <p><b>2</b> Promote the Installation of EVSE infrastructure</p> <p><b>3</b> Encourage Private EV Adoption</p> <p><b>4</b> Encourage Public EV Adoption</p> <p><b>5</b> Provide Guidance and Best Practices to Local Jurisdictions &amp; Agencies</p> <p><b>6</b> Mitigate Revenue Impacts</p> | <p><b>7</b> Develop an Outreach, Education, &amp; Marketing Strategy</p> <p><b>8</b> Coordinate Electrification Efforts</p> <p><b>9</b> Establish Agency Roles &amp; Responsibilities</p> <p><b>10</b> Reexamine Utility Roles &amp; Rates</p> <p><b>11</b> Identify Funding Options</p> <p><b>12</b> Prioritization Plan for Deploying EVSE</p> |
|---|--|

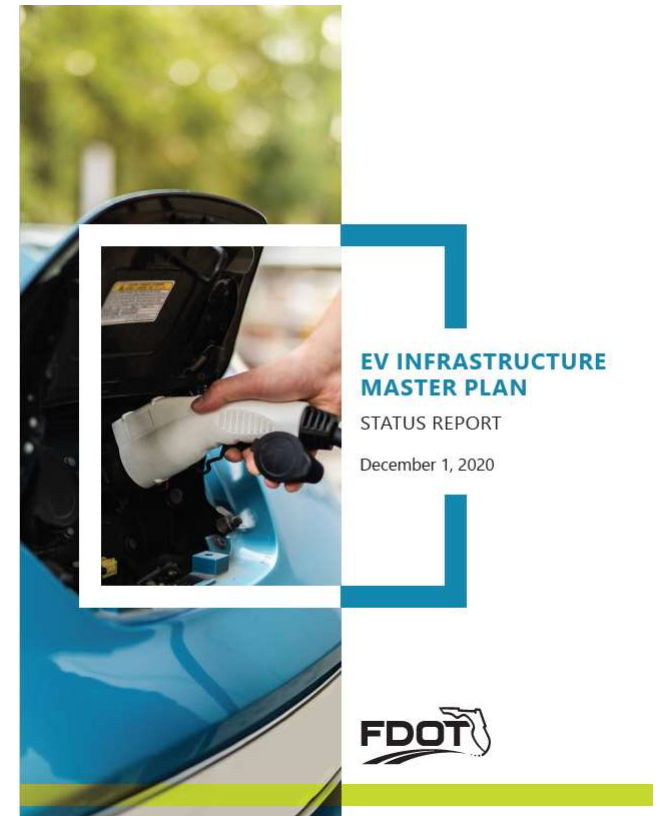
## Identify Potentially Responsible Agencies





## Status Report

- Submitted to Governor's Office, President of the Senate and Speaker of the House on December 1, 2020
- Available at:  
<https://www.fdot.gov/planning/fto/ev/default>





# Schedule

PROJECT ELEMENT	2021							
	Jan	Feb	March	April	May	June	July	August
<b>Address 2020 Comments &amp; Finalize Tech Memos</b>		[Blue bar]						
a. Monthly Internal Stakeholder Meetings <span style="color: green;">★</span>		★	★	★	★	★		
b. Draft Final Tech Memos Complete (3/31/21) <span style="color: blue;">★</span>			★					
c. Stakeholder Comment Resolution Meetings <span style="color: red;">★</span>		★				★		
<b>Public Comment Period (5/3 – 5/31)</b>					[Red bar]			
a. Public Webinar (4/28/21)				★				
<b>Address Comments &amp; Prepare Draft Final Report</b>					[Green bar]			
a. Draft Final Report Due for Final Review (6/7/21) <span style="color: blue;">★</span>						★		
b. Address Final Comments & Print Final Report <span style="color: purple;">★</span>						★		
<b>Final Report Due to Governor's Office (July 1, 2021)</b>							★	





## Questions/Discussion



Vital Few  
**SAFETY**  
Florida Department of Transportation

EXIT  
↑

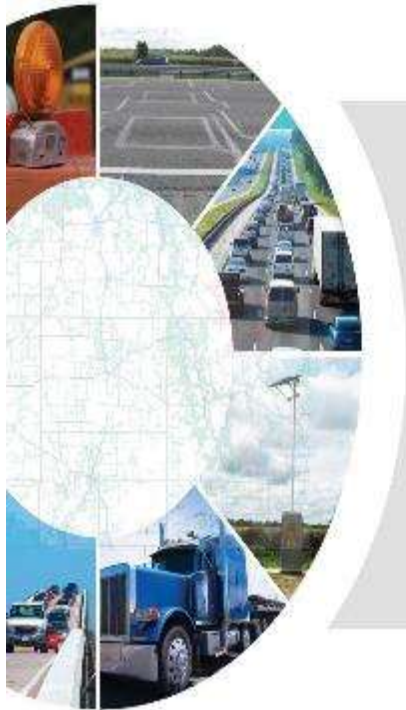
FDOT

FDOT's top priority is to create a safe and efficient transportation system for all road users in the state of Florida.

.....

To continually improve the safety of the traveling public, FDOT participates in several campaigns throughout the year, consistently utilizes messaging to build awareness, and follows safety standards in every project, every time.





**Thank You**  
**[FDOT.EVMP@dot.state.fl.us](mailto:FDOT.EVMP@dot.state.fl.us)**

# Election of Officers Calendar Year 2021

- MPOAC Governing Board Committee **Chair**
  - Nomination and approval of a candidate
- MPOAC Governing Board Committee **Vice-Chair**
  - Nomination and approval of a candidate
- MPOAC Governing Board Committee **At-Large Member**
  - Nomination and approval of a candidate





# MEMBER COMMENTS





# **ADJOURNMENT**

Next Meeting – April 29, 2021

