



metroplan orlando

A REGIONAL TRANSPORTATION PARTNERSHIP

**Transportation Systems Management and Operations (TSMO)  
Advisory Committee**

**MEETING MINUTES**

**DATE:** Friday, October 27, 2023  
**TIME:** 8:30 a.m.  
**LOCATION:** MetroPlan Orlando  
David L. Grovdahl Board Room  
250 South Orange Avenue, Suite 200  
Orlando, Florida 32801

---

*Chairman Shad Smith, Presiding*

---

**Voting Members Present:**

Mr. Naol Barkessa, City of St. Cloud  
Mr. Darren Ebersole for Mr. Prince Bates, City of Sandford  
Mr. Martin Butcher for Mr. Kelly Brock, City of Casselberry  
Mr. Christopher Carson, City of Lake Mary  
Mr. Steven Kane for Mr. Ghassan Choueiry, Osceola County  
Mr. Bruce Doig, City of Altamonte Springs  
Ms. Alyssa Eide, City of Maitland  
Mr. Hazem El-Assar, Orange County  
Ms. Tonya Elliot Moore, Town of Windermere  
Mr. Richard Horn, City of Edgewood  
Mr. Doug Jamison, LYNX  
Mr. Jean Jreij, Seminole County  
Mr. Steve Krug, City of Ocoee  
Mr. Hong Lim, City of Winter Park  
Mr. Butch Margraf, MPO Appointee  
Mr. Phil Price, City of Belle Isle  
Ms. Lee Pulham, Central Florida Tourism Oversight District  
Ms. Pam Richmond, City of Apopka

Mr. Brian Sanders, Orange County  
Mr. Ramon Senorans, Kissimmee Gateway Airport  
Mr. Shad Smith, City of Longwood  
Mr. Nabil Muhaisen for Ms. Maria Tejera, City of Orlando  
Mr. Akil Toussaint, City of Orlando  
Mr. Gary Yeager, Osceola County  
Mr. Paul Yeargain, City of Oviedo  
Mr. Charlie Wetzal, Seminole County

**Voting Members Absent:**

Mr. Brad Friel, GOAA  
Mr. Bryan Homayouni, Central Florida Expressway Authority  
Ms. Susan Hutson, University of Central Florida  
Mr. Jon Williams, City of Winter Garden  
Vacant, City of Kissimmee

**Voting Members Present Virtually:**

**Non-Voting Members/Advisors Absent:**

Mr. Eric Gordin, FTE  
Mr. Glen Hammer, Osceola PS  
Lt. Brad McDaniel, Seminole County Sheriff's Office  
Vacant, Orange County CTST

**Others in Attendance:**

Mr. Jonathan Scarfe, FDOT District 5  
Ms. Amy Beckman, FDOT District 5  
Ms. Tiffany Hill, FDOT District 5  
Ms. Katherine Alexander, FDOT District 5  
Mr. Siao Si Fine, FTE  
Mr. Jim Wood, Kimley Horn  
Mr. Adam Hopps, National Center of Excellence (virtual)  
Mr. Mohammed Hadi, Florida International University (virtual)  
Mr. Pete Ganci, CT Traffic (virtual)  
Mr. Eric Hill, MetroPlan Orlando  
Mr. Alex Trauger, MetroPlan Orlando  
Ms. Taylor Laurent, MetroPlan Orlando  
Mr. Mighk Wilson, MetroPlan Orlando  
Mr. Jason Sartorio, MetroPlan Orlando  
Mr. Slade Downs, MetroPlan Orlando  
Ms. Adriana Rodriguez, MetroPlan Orlando  
Ms. Lara Bouck, MetroPlan Orlando  
Ms. Maria Padovani, MetroPlan Orlando  
Ms. Lisa Smith, MetroPlan Orlando  
Ms. Rachel Frederick, MetroPlan Orlando

I. **CALL TO ORDER**

Chairman Shad Smith called the meeting to order at 8:34 a.m. and welcomed everyone. Chairman Shad Smith detailed the meeting guidelines and the public comment procedures.

II. **CHAIRS ANNOUNCEMENTS**

None.

III. **AGENDA REVIEW**

Mr. Eric Hill acknowledged that Mobility Week started today. Mr. Hill then shared that Metroplan Orlando hosted members of the CAC (Community Advisory Committee) at the Regional Transportation Management Center on September 27<sup>th</sup> and a short video was played of the visit. This was part of the TSMO Master Plan outreach to gather input from citizens.

Mr. Hill provided details on the first event in the Vision Zero Central Florida (VSCF) Safety Speaker Series. This virtual meeting takes place on November 15<sup>th</sup> at 9.30 a.m. and honors World Remembrance Day for Road Traffic Victims. This high-profile global observance remembers the millions who have been killed and seriously injured on the world's roads and acknowledges the suffering of all affected.

He then introduced Ms. Maria Padovani, the new Fiscal Manager at MetroPlan Orlando. Mr. Eric Hill stated that there was a remote presentation today by Mr. Adam Hopps who was presenting from San Diego and noted that we very much appreciated his commitment considering the time difference. He also stated there would be a second online speaker, Mr. Mohammed Hadi of Florida International University.

Mr. Eric Hill also welcomed Mr. Martin Butcher, representing the City of Casselberry, who is attending his first meeting.

Mr. Mighk Wilson presented this month's Safety Moment and stated that October is Pedestrian Safety Month. Mr. Wilson shared statistics of Pedestrian Crash Factors. He reported that on-going research at the University of Western Michigan studies found a significant number of nighttime crashes were happening in areas with dark spots. Mr. Wilson then gave pedestrian safety recommendations when walking in the dark, including using the light on your cell phone to alert drivers of your presence.

IV. **ROLL CALL & CONFIRMATION OF QUORUM**

Ms. Rachel Frederick conducted the roll call and confirmed there was a quorum.

V. **PUBLIC COMMENTS ON ACTION ITEMS**

None.

VI. ACTION ITEMS

A. **August 25th, 2023, TSMO Meeting Minutes (Tab 1)**

Approval is requested of the meeting minutes for August 25<sup>th</sup>, 2023.

MOTION: Hazem El-Assar moved to approve the August 25<sup>th</sup>, 2023, TSMO meeting minutes, noting the correction with regards to the attendance of Lt. Brad McDaniel. Brian Sanders seconded the motion. Motion passed unanimously.

B. **Appointment of TSMO Committee Officer Selection Subcommittee**

Mr. Eric Hill requested to approve the establishment of a subcommittee, to select candidates to serve as the TSMO Committee Chairman and Vice-Chairman from January through December 2024.

Mr. Charlie Wetzel – Seminole County, Mr. Hasam El-Assar – Orange County, and Mr. Gary Yeager – Osceola volunteered for the Subcommittee.

MOTION: Brian Sanders moved to approve the establishment of a subcommittee, to select candidates to serve as the TSMO Committee Chairman and Vice-Chairman from January through December 2024. Doug Jamison seconded the motion, which passed unanimously.

C. **2020 Functional Classification of Public Roadways (Tab 2)**

Mr. Jim Wood, Kimley-Horn, presented the 2020 Functional Classification of Public Roadways on behalf of FDOT District 5. He responded to a question, stating that any corrections can be sent to himself and Mr. Jason Learned, FDOT. Another question was asked regarding corridors that have been changed and Mr. Wood stated that he would provide a link to demonstrate any changes.

MOTION: Brian Sanders moved to approve the adoption of the 2020 Functional Classification of Public Roadways on behalf of FDOT District 5. Mr. Christopher Carson seconded the motion, which passed unanimously.

VII. PRESENTATIONS & STATUS REPORTS

A. **Osceola County Artificial Intelligence (AI) Project**

Mr. Gary Yeager, Osceola County – Transportation and Transit Department, presented Video Analytics of intersections that are currently using artificial intelligence (AI) to monitor safety issues in Osceola County. Osceola are working with VHB and are currently monitoring 9 intersections and the video is sent back to the Osceola Transportation Center. The project started in July 2022 and in July 2023 analyzing data began, with recommended modifications for safety improvements being considered in November. Changes to intersections are planned to be implemented in March of 2024 and the contract with VHB ends in July of 2024.

Mr. Yeager shared a snapshot of the 9 intersections that are being monitored, their 'health score', and the events recorded over a 7-day period. He then highlighted a specific event and showed the details provided.

Mr. Yeager then showed some videos of events including wrong way driving, vehicle vs. vehicle near miss, and vehicle vs. pedestrian near miss. The AI also collects the classification of each vehicle, the number of lanes, turn counts, and pedestrian and bicycle counts. It will also collect Peak Hour Analysis, Speed Distribution and Speeding data.

VHB will provide a report summary, including a Safety Assessment Report, Before and After Assessment Report, and Economic Analysis Report.

Questions from the Committee included a request of the 'ballpark' figure of cost of software at each intersection. Mr. Yeager also confirmed that changes were likely to be timing changes and changes to striping, rather than changes to roadways. He also shared, in response to a question asked, that an alert was raised to emergency services if a vehicle, for example, went a wrong way, or a crash happened. He said that FDOT RTMC staff are looking at how they can receive that information and be aware of the events, with a focus on differentiating between serious and less serious events and evaluating if emergency services are required. Mr. Yeager confirmed they had received a grant of \$500,000 for the project.

Other questions included if any pedestrians or motorists could be connected via a mobile app or via a connected vehicle - it was confirmed this is possible. Also asked was the program software capability and how robust the equipment/fiber is during severe weather. Mr. Yeager noted minimal outages due to weather.

Mr. Erick Hill requested that Mr. Yeager return at the end of the project and present the County's findings and experience.

#### **B. 2023 National Operations Center of Excellence (NOCoE) Trends in TSMO**

Mr. Adam Hopps, Interim Director NOCoE (*attending virtually*) presented a survey on trends in TSMO nationwide. He detailed the function of the NOCoE, stating they enable TSMO practitioners to have a resource to enhance their knowledge skills and abilities and are guided by a Technical Committee.

Mr. Hopps shared that 2023 is the first year they have established the TSMO Trends Survey. He outlined the structure of the survey, the topics that were covered and the sector breakdown of the respondents. Mr. Hopps then detailed some of the questions asked and the breakdown of responses, including identifying the most difficult challenges and TSMO strategies with the highest pay-off.

He then presented responses in regard to helping grow the TSMO workforce and what responders identified as the strengths and challenges as a career choice. In addition, he shared the responses related to Training, and Diversity, Equity & Inclusion in the TSMO workforce.

The presentation concluded with Mr. Hopps sharing the areas of opportunity and improvement for mainstreaming TSMO.

A discussion then ensued regarding the possibility of a TSMO degree. Mr. Eric Hill noted that The Operations Academy is the closest to a degree study at present and he encouraged Committee members to look at their website and consider the two-week program they offer.

**C. Discussion of Artificial Intelligence (AI)-Enabled Intelligent Transportation Systems (ITS) Readiness Checklist**

Mr. Eric Hill was joined by Mr. Mohammed Hadi, Professor and Director, Florida International University (*attending virtually*) for a discussion on Federal Highway Administration's AI-Enabled ITS Readiness Checklists.

Mr. Hill explained that ideally AI functions as augmented intelligence and should augment our abilities, and not take over what we do. He stated that USDOT is interested in receiving comments on the possibility of adapting existing and emerging automation technologies to accelerate the development of real-time roadway intersection safety and warning systems. Mr. Hill also detailed that many departments of transportation are "data rich but information poor," collecting data that is ultimately not used or needed to make maintenance or planning decisions.

He shared that FDOT had carried out a TSM&O capability maturity model (CMM) process over the last ten years, on behalf of USDOT that many committee members would have been part of. That was an assessment to see how ready we were for certain types of improvements. USDOT now wants to do the same with AI. Dr. Hadi is leading a project funded by USDOT and is asking for participants in this research. Mr. Hill outlined in this project, a use case is defined as a common category of AI-enabled ITS applications, such that many different AI-enabled ITS applications can fall within a single use case.

Dr. Hadi shared the seven dimensions of the program, and the three levels of participation. In conclusion he stated the output of the workshop will be the maturity level of each of the dimensions and sub-dimensions, and also an action plan to proceed to the next level of maturity.

Mr. Hill asked the Committee if they would like to go through the assessment and also take part in the Workshop. The general consensus was yes, and Mr. Hill stated he would reach out to the committee to advise of what is planned next. In addition, he shared that he would reach out to the TSM&O Consortium, namely Mr. Jeremy Dilmore, to see if they would be interested in participating also.

**VIII. COMMON PRESENTATIONS & STATUS REPORTS**

**A. Regional Vision Zero Action Plan Status Update**

Ms. Adriana Rodriguez and Mr. Mighk Wilson, MetroPlan Orlando, will provide a status update

on MetroPlan Orlando's Vision Zero Action Plan.

**B. FDOT Tentative Work Program**

Ms. Katherine Alexander, FDOT, will present information on the Tentative Work Program for FY 24/25 – FY 28/29 for FDOT.

**C. FTE Tentative Work Program**

Mr. Siaoqi Fine, FTE, will present information on the Tentative Work Program for FY 24/25 – FY 28/29 for Florida's Turnpike Enterprise.

**D. Urban Area Boundary Smoothing Process**

Mr. Alex Trauger, MetroPlan Orlando, will provide information on the US Census' Urban Area Boundary Smoothing process.

**IX. GENERAL INFORMATION**

**A. FDOT Monthly Construction Status Report** – The latest FDOT Monthly Construction Status Report for the Orlando area is enclosed for information purposes.

**B. Highlights from September 13, 2023, MetroPlan Orlando Board Meeting** – A series of highlights and notable actions from the most recent MetroPlan Orlando Board Meeting.

**C. Air Quality Report** – The latest air quality report for the MetroPlan Orlando area is enclosed for information purposes.

**D. LYNX Press Releases** – Four press releases from LYNX have been included for informational purposes.

**E. Bicycle and Pedestrian Report** – A report on bicycle and pedestrian projects in the MetroPlan Orlando region is enclosed for information purposes.

**F. Federal Certification Report** – MetroPlan Orlando was officially certified by the FHWA and FTA with no corrective actions or improvement recommendations identified. The full report has been included for information purposes.

**G. SUN Trail Request for Funding (RFF)** – FDOT is accepting applications for SUN Trail projects. A formal notice with detailed information has been included for reference.

**X. UPCOMING MEETINGS OF INTEREST**

A list of selected upcoming meetings to be held at MetroPlan Orlando's office. For more information and a full list of upcoming meetings, visit the [MetroPlan Orlando Meeting Calendar](#).

A. FDOT Mobility Week, October 27 through November 4, 2023

B. Municipal Advisory Committee (MAC), November 2, 2023

- C. MetroPlan Orlando Board, November 8, 2023
- D. Transportation Disadvantaged Local Coordinating Board (TDLCB), November 9, 2023
- E. TDLCB Public Meeting, November 9, 2023
- F. Transportation Systems, Management, & Operations Committee (TSM&O), Dec. 1, 2023
- G. Technical Advisory Committee (TAC), December 1, 2023
- H. Community Advisory Committee (CAC), December 6, 2023

**XI. MEMBER COMMENTS**

Chairman Shad Smith commented that Rail Safety Week had been very successful and shared the statistics of citations and warnings given by police. He thanked those who took part and made the events a success.

Mr. Chairman also raised his concerns on the challenge that ebikes pose from a safety perspective and noted he would welcome a discussion on this in the future.

**XII. PUBLIC COMMENTS (GENERAL)**

None

**XIII. ADJOURNMENT**

Chairman Shad Smith adjourned the meeting of the Transportation Systems Management & Operations Advisory Committee at 9:49 a.m. The meeting was recorded and transcribed by Ms. Rachel Frederick.

Approved this 1<sup>st</sup> day of December 2023



Mr. Shad Smith, Chairman



Ms. Rachel Frederick,  
Board Services Coordinator

As required by Section 286.0105, Florida Statutes, MetroPlan Orlando hereby notifies all interested parties that if a person decides to appeal any decision made by MetroPlan Orlando with respect to any matter considered at such meeting or hearing, he or she may need to ensure that a verbatim record is made to include the testimony and evidence upon which the appeal is to be based.