



metroplan orlando

A REGIONAL TRANSPORTATION PARTNERSHIP

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

MEETING MINUTES

DATE: Friday, February 23, 2024
TIME: 8:30 a.m.
LOCATION: MetroPlan Orlando
David L. Grovdahl Board Room
250 South Orange Avenue, Suite 200
Orlando, Florida 32801

Chairman Brian Sanders, Presiding

Members Present:

Mr. Lenny Barden, City of Altamonte Springs
Mr. Cameron Crandell for Mr. Naol Barkessa, City of St. Cloud
Mr. Prince Bates, City of Sandford
Mr. Martin Butcher for Mr. Kelly Brock, City of Casselberry
Mr. Michael Lopez for Mr. Christopher Carson, City of Lake Mary
Mr. Chris DeLoatche, GOAA
Ms. Alyssa Eide, City of Maitland
Mr. Hazem El-Assar, Orange County
Ms. Tonya Elliot Moore, Town of Windermere (virtual)
Mr. Eric Gordin, FTE
Mr. Bryan Homayouni, Central Florida Expressway Authority
Mr. Doug Jamison, LYNX
Mr. Jean Jreij, Seminole County
Mr. Nicholas Hartley for Mr. Steven Kane, Osceola County
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. Charlie Wetzell, Seminole County
Ms. Amy Martello for Mr. Jonathan Williams, City of Winter Garden
Mr. Gary Yeager, Osceola County
Mr. Paul Yeargain, City of Oviedo

Voting Members Absent:

Mr. Steve Krug, City of Ocoee
Mr. Akil Toussaint, City of Orlando
Vacant, City of Kissimmee
Vacant, City of Winter Springs
Vacant, Orlando Sanford Airport

Non-Voting Members/Advisors Absent:

Mr. Richard Horn, City of Edgewood
Ms. Susan Hutson, University of Central Florida
Vacant, Town of Eatonville
Vacant, Town of Oakland
Vacant, Orange County CTST
Vacant, Osceola County CTST
Vacant, Seminole County CTST

Others in Attendance:

Mr. Jeremy Dilmore, FDOT District 5
Mr. Jonathan Scarfe, FDOT District 5
Ms. Amy Beckman, FDOT District 5
Mr. Siao Si Fine, FTE
Mr. Gary Huttman, MetroPlan Orlando
Mr. Alex Trauger, MetroPlan Orlando
Mr. Eric Hill, MetroPlan Orlando
Ms. Mary Ann Horne, MetroPlan Orlando
Ms. Taylor Laurent, MetroPlan Orlando
Mr. Mighk Wilson, MetroPlan Orlando
Ms. Adriana Rodriguez, MetroPlan Orlando
Mr. Jason Sartorio, MetroPlan Orlando
Mr. Slade Downs, MetroPlan Orlando
Ms. Lara Bouck, MetroPlan Orlando
Ms. Lisa Smith, MetroPlan Orlando
Ms. Rachel Frederick, MetroPlan Orlando

I. **CALL TO ORDER**

Chairman Brian Sanders called the meeting to order at 8:30 a.m. and welcomed everyone. Chairman Sanders detailed the meeting guidelines and the public comment procedures.

II. **CHAIRS ANNOUNCEMENTS**

None.

III. **AGENDA REVIEW**

Mr. Eric Hill shared the names of alternates attending today and noted that the TIP resolution (VI.B) has a slight update, amended copies were available in the room and in the uploaded agenda on the taidens. Mr. Hill announced that he would be holding an orientation for newer members of TSMO, to be held virtually with invitations to follow.

Mr. Mighk Wilson presented this month's Safety Moment which focused on March - Florida Bicycle Month. Mr. Wilson shared a number of statistics over the period 2018 through 2022, with 830 reported bicycle crashes in the three County region for 2023, an average of 67 serious injury crashes per year and 22 fatal crashes for 2023 - three of those not involving a motor vehicle. Mr. Wilson stressed to reduce one of the of the top risks as a bicycle user is to 'go with the flow'. He stated that travelling facing the traffic is five times riskier than going with the flow. Mr. Wilson noted this accounts for approximately 30% of KSI (Killed or Seriously Injured) crashes because there are so many of them, with on average one crash per day of this type, and a serious or fatal crash every 13 days. He noted that 26% of bicyclist travel is at night, with 30% of bicyclist KSI crashes taking place then. 56 % of bicyclist fatalities also happen at night, and the risk of an overtaking KSI being five times more likely at night. Mr. Wilson also demonstrated the overabundance of light sources occurring at night and the need to ensure you are visible as a bicyclist.

Mr. Eric Hill brought attention to the Conference of Minority Transportation Officials (COMTO) Internship Program, who are currently looking for agencies to host an intern. He noted information was available in the agenda packet and also a handout was available in the room.

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

Ms. Lisa Smith conducted the roll call and confirmed there was a quorum.

V. **PUBLIC COMMENTS ON ACTION ITEMS**

None.

VI. ACTION ITEMS

A. January 26, 2024, TSMO Meeting Minutes

Approval is requested of the meeting minutes for January 26, 2024.

MOTION: Shad Smith moved to approve the January 26, 2024, TSMO meeting minutes, Hazem El-Assar seconded the motion. Motion passed unanimously.

B. FDOT Amendment to FY 2024-2028 TIP

Mr. Jason Sartorio presented, requesting the TSMOAC make a recommendation to the Board that the FY 2023/24 – FY 2027/28 TIP be amended to include the following item:

- FM# 445299-1 – SR 535 (N of SR 530/US 192 to S of International Dr) Resurfacing, Safety, Intersection Improvements.

MOTION: Ramon Senorans moved to approve support for the amendment to the TIP as presented. Shad Smith seconded the motion, which passed unanimously.

C. Support for UPWP Submittal to FDOT

Mr. Alex Trauger presented the first draft for submittal of the FY 2025-26 UPWP. He stated that this will be taken to the Board meeting on March 13th, then submitted to FDOT for review. Mr. Trauger detailed the proposed studies and planning activities and reviewed the estimated revenues as presented in the previous TAC meeting. Mr. Trauger asked for approval of the draft UPWP for submittal as presented.

MOTION: Shad Smith moved to approve support for the UPWP Submittal to FDOT. Nabil Muhaisen seconded the motion, which passed unanimously.

VII. PRESENTATIONS & STATUS REPORTS

A. Status Update on TSMO Master Plan.

Mr. Eric Hill presented an update on the TSMO Master Plan. Mr. Hill identified the members of the Steering committee and noted there had been six meetings held since June 2022, with the final meeting to be on March 20, 2024. After sharing a definition of TSMO, Mr. Hill listed a variety of TSMO strategies, including low-tech and high-tech options, and reviewed the scope of work undertaken to develop the Master Plan. Mr. Hill stated through Stakeholder interviews they had carried out a gap analysis and identified desired outcomes and needs.

To identify strategies, Mr. Hill noted the Project team had used the FDOT TSM&O Strategy Guide (2018) and consulted the Regional ITS Architecture (RITSA). He reviewed the TSMO prioritization criteria and the data sources used. Mr. Hill noted that in addition to the segment level needs identification, intersection projects were identified at select locations within Orange, Osceola,

and Seminole Counties and in City of Orlando - the list of projects will be shared at the next meeting. For the path forward, Mr. Hill detailed a number of different areas of focus, including leveraging existing investments, pursuing regional strategies, and artificial intelligence.

B. Update on ATTAIN Central Florida

Mr. Jeremy Dilmore – FDOT, presented, beginning with Signal Phasing and Timing (SPAT) Pilot – a program that provides connected vehicles with information about signal timing via an onboard unit. Mr. Dilmore stated they have been able to learn how to share information across different platforms. Detailing an ongoing initiative, Mr. Dilmore noted that 213 Bluetooth units are being replaced with connected vehicle devices at the same locations, with about 50% deployed and the remaining being installed imminently. He noted that the testing of the units had been carried out, with a focus on security and being able to verify whoever is using a unit, is who they say they are, and there is no ability for a rogue message to be sent out. He noted that this Security Credential Management System has meant some vendors are not able to meet this requirement and this has slowed the process down.

Mr. Dilmore moved onto the PEDSAFE program. He noted some passive pedestrian detection issues they were addressing notably the use of LiDAR (light detection and ranging) which shoots a laser to bounce off and measure how far away an object is and the trajectory of that object, which they found that to be cost prohibitive, difficult to maintain and also the impact on the public was not as they anticipated. For the next phase of PEDSAFE II, Mr. Dilmore stated that using information Osceola County had gathered during their computer vision work, and using the same vendor and manufacturer, they wanted to understand how to be able to talk more directly to people. He highlighted the audible push button, and a small dynamic message sign that pedestrians see as they approach the crossing which means pedestrians of limited hearing or sight are able to use the crossing more safely. He shared that they also increase lighting to warn drivers, but after commentary received from nearby residents this was amended from flashing lights, to increase lighting from 70% to 100% and vice versa as necessary. These programs are now under construction and will benefit pedestrians and drivers soon.

In communicating this work to the public, Mr. Dilmore showed a photo of the trailer that had been developed for demonstration purposes. It contained a portable set up of what pedestrians see on the roadside at a traffic signal and has been on display at various outreach events. Mr. Dilmore stated that the trailer is available if anyone would like it for an event.

He continued to detail the connected vehicles (GROOME Shuttles) being used on the UCF campus and the message system it uses. Mr. Dilmore noted that across the region 426 roadside units and 90 on board units are the responsibility of FDOT District 5. He stated they had developed software to ensure the ability of conditional priority for emergency vehicle preemption and Transit Signal Priority which is now loaded onto vehicles at Lynx and his team is in discussion with the Fire Department about future preferred purchases.

Mr. Dilmore clarified the definition of autonomous vehicles v connected vehicles and the push nationally is for connected autonomy, where an autonomous vehicle can talk to the infrastructure and again the challenge here is for vehicle equipment to meet security standards.

Continuing on to the UCF AV Shuttle – Mr. Dilmore stated that there had been some charging

infrastructure issues last year which have now been resolved and they were waiting for clearance from UCF to be back in service for this current semester. The information collected will be in a central aggregator which also holds information from LYNX, SunRail, BikeShare and CarShare, called Route and Mode Choice Software and is connected to FL511. FL511 is currently in BETA and not yet available to the public, but Mr. Dilmore states that the cellular standard is working very well to share alerts. He noted they have also partnered with Florida's Turnpike Enterprise to ensure they are leveraging each other's efforts into a singular solution for FDOT. He stated final requirements and acceptance testing of the app is planned for March with a release date in the next 3 months for the public. Mr. Dilmore listed the data type and alerts that have been integrated so far into the application.

Mr. Dilmore concluded with lessons learned including stating that ICM (Integrated Corridor Management) is now fully mature and provides significant benefit. He sees room for growth in Connected Vehicle technology, with roadside units fairly ready, but onboard units have some way to go. In addition, Mr. Dilmore noted they have seen the Autonomous Shuttle at UCF provide mobility for those of all abilities and he has also seen lots of growth on data compatibility and sharing.

Questions asked by the Committee included where SPAT was currently being used, with the response being 300 currently in use and the goal being 1600 by year end. It was confirmed that Orange County is fully operational and with regards to the request for CV data, to email Jeremy. Also, an enquiry to take the demonstration trailer to an Engineering school was suggested.

VIII. COMMON PRESENTATIONS & STATUS REPORTS

The following common presentations were on the agenda for the Technical Advisory Committee meeting immediately following the TSMOAC meeting:

A. MPO Planning Process for 2024

Mr. Alex Trauger, MetroPlan Orlando, will give a presentation on ongoing work and future updates to the MPO planning process based on feedback from regional planning partners.

B. Vision Zero update

Mr. Mighk Wilson, MetroPlan Orlando, will provide a presentation to update the committee on recent Vision Zero activities.

C. 2050 MTP Status update

Ms. Taylor Laurent, MetroPlan Orlando, will provide information on the 2050 Metropolitan Transportation Plan, which is now underway. More information is attached in the General Information (IX) section.

D. Regional Transportation for All (Title VI + LEP) Plan

Ms. Mary Ann Horne, MetroPlan Orlando, will provide a presentation on the Regional Transportation for All Plan, covering various topics including Title IV and Limited English Proficiency.

E. TSM&O Master Plan Status Update

Mr. Eric Hill, MetroPlan Orlando, will give a status update presentation on the Transportation Systems Management & Operations (TSM&O) Master Plan.

F. FDOT 3R Program

Mr. Ed Kestory, FDOT District 5, will give a presentation on FDOT's 3R (Resurfacing, Restoration, and Rehabilitation) program.

IX. GENERAL INFORMATION

- A. FDOT Monthly Construction Status Report** – The latest FDOT Monthly Construction Status Report for the MetroPlan Orlando area was enclosed for information purposes.
- B. Highlights from February 14, 2024, MetroPlan Orlando Board Meeting** – A series of highlights and notable actions from the most recent MetroPlan Orlando Board Meeting.
- C. Bicycle and Pedestrian Report** – A report on bicycle and pedestrian projects in the MetroPlan Orlando region was enclosed for information purposes.
- D. 2050 MTP Update Information** – Information was provided as a supplement to the 2050 MTP Status Update Presentation (Item 5.C).
- E. Conference on Minority Transportation Officials (COMTO) Internship Program** – The COMTO is soliciting agencies to serve as host for the 2024 Careers in Transportation for Youth (CITY) Internship Program. Information on the CITY and serving as a host to an intern was enclosed for information purposes.

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: [MetroPlan Orlando Meeting Calendar](#)

- A.** MetroPlan Orlando Board, March 13, 2024
- B.** BWCF Best Foot Forward Summit, April 4, 2024
- C.** 2050 MTP Technical Workshop, April 11, 2024
- D.** Community Advisory Committee (CAC), April 24, 2024
- E.** Transportation Systems, Management, & Operations Committee (TSM&O), April 26, 2024
- F.** Technical Advisory Committee (TAC), April 26, 2024
- G.** Municipal Advisory Committee (MAC), May 2, 2024

XI. MEMBER COMMENTS

Mr. Eric Hill introduced Mr. Pete Costello who is a prominent member of the national COMTO community. Mr. Hill invited him to speak – Mr. Costello commended the group and the work being done in the region.

XII. PUBLIC COMMENTS (GENERAL)

None

XIII. ADJOURNMENT

Chairman Brian Sanders adjourned the meeting of the Transportation Systems Management & Operations Advisory Committee at 9:48 a.m. The meeting was recorded and transcribed by Ms. Rachel Frederick.

Approved this 26th day of April 2024



Mr. Brian Sanders, 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.