

MetroPlan Orlando

Transportation Systems Management & Operations (TSM&O) Master Plan

Vision, Goals, and Objectives

MetroPlan Orlando, with input from the TSM&O Master Plan Steering Committee, developed a Vision with supporting Goals & Objectives for TSM&O in the planning area. Key plans that were considered in the development of this framework include:

- MetroPlan Orlando 2045 Metropolitan Transportation Plan (MTP) Update
- MetroPlan Orlando Intelligent Transportation System (ITS) Master Plan
- FDOT D5 TSM&O Implementation Plan
- FDOT TSM&O Strategic Plan

Specific factors that were identified to be considered during development of the Vision, Goals, and Objectives included:

- Future strategies to be developed for:
 - Travel demand management (TDM)
 - Connected and automated vehicle (CAV) deployment
 - Special event management
- Interagency, interjurisdictional coordination
 - Steering Committee member agencies
 - Other local governments
 - Law Enforcement / Fire & Rescue
 - Community Traffic Safety Teams/Traffic Incident Management (TIM) partners
- Public outreach and messaging
- Potential workforce development considerations
- Equity, disadvantaged populations, and historically marginalized communities
- Resiliency planning
- *Setting the stage for project prioritization and a programmatic focus*

VISION – A statement of what we are striving to create

EXISTING PLAN VISIONS	TSM&O MASTER PLAN VISION
<p><u>MetroPlan Orlando 2045 MTP</u> – A regional transportation system that safely and efficiently moves people and goods through a variety of options that supports the region’s vitality.</p> <p><u>MetroPlan Orlando ITS Master Plan</u> – Maximize the transportation system performance by continually improving safety, efficiency, and reliability for all system users through the application of technology.</p> <p>Other Visions <u>FDOT District Five TSM&O Implementation Plan</u> – To operate our transportation system at the highest level of cost-effective performance.</p> <p><u>FDOT TSM&O Strategic Plan</u> – To increase the delivery rate of fatality-free and congestion-free transportation systems supporting the FDOT vision and Florida Transportation Plan goals.</p>	<p>A regional multimodal transportation network that strategically leverages cost-effective technology and operations to maximize system mobility and safety.</p>

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GOALS – Statements of purpose that provide direction for achieving the vision

EXISTING PLAN GOALS	TSM&O MASTER PLAN GOALS
<p>2045 MTP GOAL: SAFETY & SECURITY Provide a safe and secure transportation system for all users.</p> <p><i>ITS Master Plan GOAL C: Enhance the safety and security of the transportation system.</i></p>	<p>SAFETY & SECURITY: Provide a safe and secure transportation system for all users. [same as MTP]</p>
<p>2045 MTP GOAL: RELIABILITY & PERFORMANCE Leverage innovative solutions to optimize system performance.</p> <p><i>ITS Master Plan GOAL A: Maximize the performance, efficiency, and reliability of the multimodal transportation system.</i></p>	<p>RELIABILITY & PERFORMANCE: Leverage innovative solutions to optimize system mobility, efficiency, and reliability. [merged MTP and ITS]</p>
<p>2045 MTP GOAL: INVESTMENT & ECONOMY Support economic prosperity through strategic transportation investment.</p>	<p>INVESTMENT & ECONOMY: Support economic prosperity through strategic cost feasible transportation investments. [same as MTP]</p>
<p>2045 MTP GOAL: ACCESS & CONNECTIVITY Enhance communities and lives through improved access to opportunities.</p> <p><i>ITS Master Plan GOAL B: Integrate information, communication, and technology to empower system users to make informed choices.</i></p>	<p>ACCESS & CONNECTIVITY: Integrate information and advance technology interoperability to improve access to opportunities, empower users to make informed choices, and provide seamless mobility across modes. [merged MTP and ITS]</p>
<p>2045 MTP GOAL: HEALTH & ENVIRONMENT Protect and preserve our region’s public health and environmentally sensitive areas.</p> <p><i>ITS Master Plan GOAL D: Protect the environment and enhance the quality of life.</i></p>	<p>HEALTH & ENVIRONMENT: Protect and preserve our region’s public health, environment, and quality of life. [merged MTP and ITS]</p>

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OBJECTIVES – Statements of attainable or measurable actions to implement goals

<p>SAFETY & SECURITY: Provide a safe and secure transportation system for all users.</p>	
<p>RELATED OBJECTIVES</p>	<p>TSM&O MASTER PLAN OBJECTIVES</p>
<p>MTP Objective – Eliminate the rate and occurrence of transportation system fatalities, injuries, and crashes with emphasis on the most vulnerable users.</p> <p>MTP Objective – Provide infrastructure and services to help prepare for, respond to, and recover from emergencies.</p> <p>MTP Objective – Improve emergency response and incident clearance times.</p> <p>MTP Objective – Prevent and mitigate transportation-related security risks.</p> <p>MTP Objective – Increase the resiliency of infrastructure to risks, including extreme weather and environmental conditions.</p> <p>ITS Master Plan Objective – Improve safety and security of the transportation system through ITS strategies and investments.</p> <p>ITS Master Plan Objective – Support data sharing between transit agencies and law enforcement to ensure passenger safety and security.</p> <p>ITS Master Plan Objective – Monitor crash records as it relates to infrastructure improvements to quantify benefits.</p>	<p>In support of Vision Zero, eliminate the rate and occurrence of transportation system fatalities, injuries, and crashes with emphasis on the most vulnerable users.</p> <p>Increase transportation system resiliency through TSM&O solutions that improve emergency response and help prepare for, respond to, and recover from emergencies.</p> <p>Increase the resiliency of infrastructure to risks, including extreme weather and environmental conditions.</p> <p>Prevent and mitigate cybersecurity and transportation-related security risks.</p>

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OBJECTIVES – Statements of attainable or measurable actions to implement goals

<p>RELIABILITY & PERFORMANCE: Leverage innovative solutions to optimize system performance, efficiency, and reliability.</p>	
<p>RELATED OBJECTIVES</p>	<p>TSM&O MASTER PLAN OBJECTIVES</p>
<p>MTP Objective – Improve travel time reliability on the transportation system.</p>	<p>Collaborate to enhance and expand the region’s ITS, adaptive, and actively managed traffic systems to improve reliability and support effective corridor management.</p>
<p>MTP Objective – Enhance and expand the region’s ITS, adaptive and actively managed traffic systems.</p>	<p>Improve the reliability and predictability of travel by monitoring the use of the transportation system and through the collection of pertinent data.</p>
<p>MTP Objective – Reduce travel time per capita (peak and off-peak travel times).</p>	<p>Implement TSM&O solutions on priority corridors to reduce delay and travel time for automobiles, commercial vehicles, transit, and bicyclists/pedestrians.</p>
<p>MTP Objective – Adapt transportation infrastructure and technologies to meet changing traveler needs and desires.</p>	<p>Adapt transportation infrastructure and technologies to enhance system performance to address evolving traveler needs and preferences.</p>
<p>ITS Master Plan Objective – Reduce delay and travel time on selected corridors for automobiles, commercial vehicles, transit, and bicycle/pedestrian facilities using TSM&O.</p>	
<p>ITS Master Plan Objective – Improve the reliability and predictability of travel by monitoring the use of the transportation system and through the collection of pertinent data.</p>	

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OBJECTIVES – *Statements of attainable or measurable actions to implement goals*

INVESTMENT & ECONOMY: Support economic prosperity through strategic transportation investment.	
RELATED OBJECTIVES	TSM&O MASTER PLAN OBJECTIVES
MTP Objective – Reduce per capita delay for residents, visitors, and businesses.	Promote collaborative regional TSM&O projects that are cost feasible and support, expand and enhance economic prosperity. Improve regional transportation efficiency and economic performance through the reduction of per capita delay for residents, visitors, and businesses. Utilize data and information to promote the business case for TSM&O to elected officials, the public, and industry groups such as freight and tourism. Implement TSM&O solutions to address identified freight movement needs and enhance efficient transport and delivery of goods.
MTP Objective – Improve transportation experience for visitors and supportive-industry workers.	
MTP Objective – Promote transportation system projects that expand and enhance economic prosperity.	
ITS Master Plan Objective – Enhance safe and efficient freight delivery and transport.	
ITS Master Plan Objective – Develop a business model to demonstrate to transportation officials and elected agency leadership the benefits of continued use of ITS.	

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OBJECTIVES – Statements of attainable or measurable actions to implement goals

<p>ACCESS & CONNECTIVITY: Integrate information, communication, and technology to improve access and empower users to make informed choices.</p>	
<p>RELATED OBJECTIVES</p>	<p>TSM&O MASTER PLAN OBJECTIVES</p>
<p>MTP Objective – Reduce per capita vehicle miles traveled (VMT).</p> <p>MTP Objective – Reduce the reliance on single-occupant vehicle travel.</p> <p>MTP Objective – Improve housing and employment access to high-frequency transit.</p> <p>MTP Objective – Improve access to essential services across all modes of transportation.</p> <p>ITS Master Plan Objective – Provide real-time dynamic travel time and delay information to users.</p> <p>ITS Master Plan Objective – Improve tourist access and mobility through the use of specialized traveler information systems.</p> <p>ITS Master Plan Objective – Improve service for special traveler needs through the use of ITS applications.</p>	<p>Collaborate regionally to improve access for all users to essential services across all modes of transportation.</p> <p>Implement TSM&O strategies that reduce reliance on single-occupant vehicle travel through improved convenience of and access to all modes.</p> <p>Improve service to underserved populations through TSM&O solutions that facilitate access to multimodal transportation options and information to empower choices.</p> <p>Strive to eliminate transportation-related obstacles and improve equitable outcomes for individuals in historically marginalized communities, especially communities of color.</p> <p>Improve access, mobility, and trip decision-making for all users through specialized traveler information systems.</p>

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OBJECTIVES – *Statements of attainable or measurable actions to implement goals*

<p>HEALTH & ENVIRONMENT: Protect and preserve our region’s public health, environment, and quality of life.</p>	
<p>RELATED OBJECTIVES</p>	<p>TSM&O MASTER PLAN OBJECTIVES</p>
<p>MTP Objective – Reduce per capita related air quality pollutants and greenhouse gas emissions.</p>	<p>Pursue regional collaborative efforts to improve air quality and reduce greenhouse gas emissions.</p>
<p>MTP Objective – Reduce per capita vehicle miles traveled (VMT).</p>	<p>Reduce fuel consumption through TSM&O strategies that support electric mobility alternatives and efficient management of traffic volumes across the transportation network.</p>
<p>ITS Master Plan Objective – Improve air quality and reduce greenhouse gas emissions.</p>	<p>Encourage transit use and increase the number of passengers per vehicle mile through implementation of TSM&O solutions such as real-time dynamic travel information.</p>
<p>ITS Master Plan Objective – Reduce fuel consumption by balancing traffic volumes across the transportation network.</p>	<p>Ensure that active transportation modes are meaningfully considered and incorporated in TSM&O planning and implementation.</p>
<p>ITS Master Plan Objective – Increase in estimated number of passengers per vehicle mile mode.</p>	<p>Leverage TSM&O projects to minimize the physical capacity expansion of transportation infrastructure which can lead to environmental and socioeconomic impacts, particularly to individuals in historically marginalized communities.</p>

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