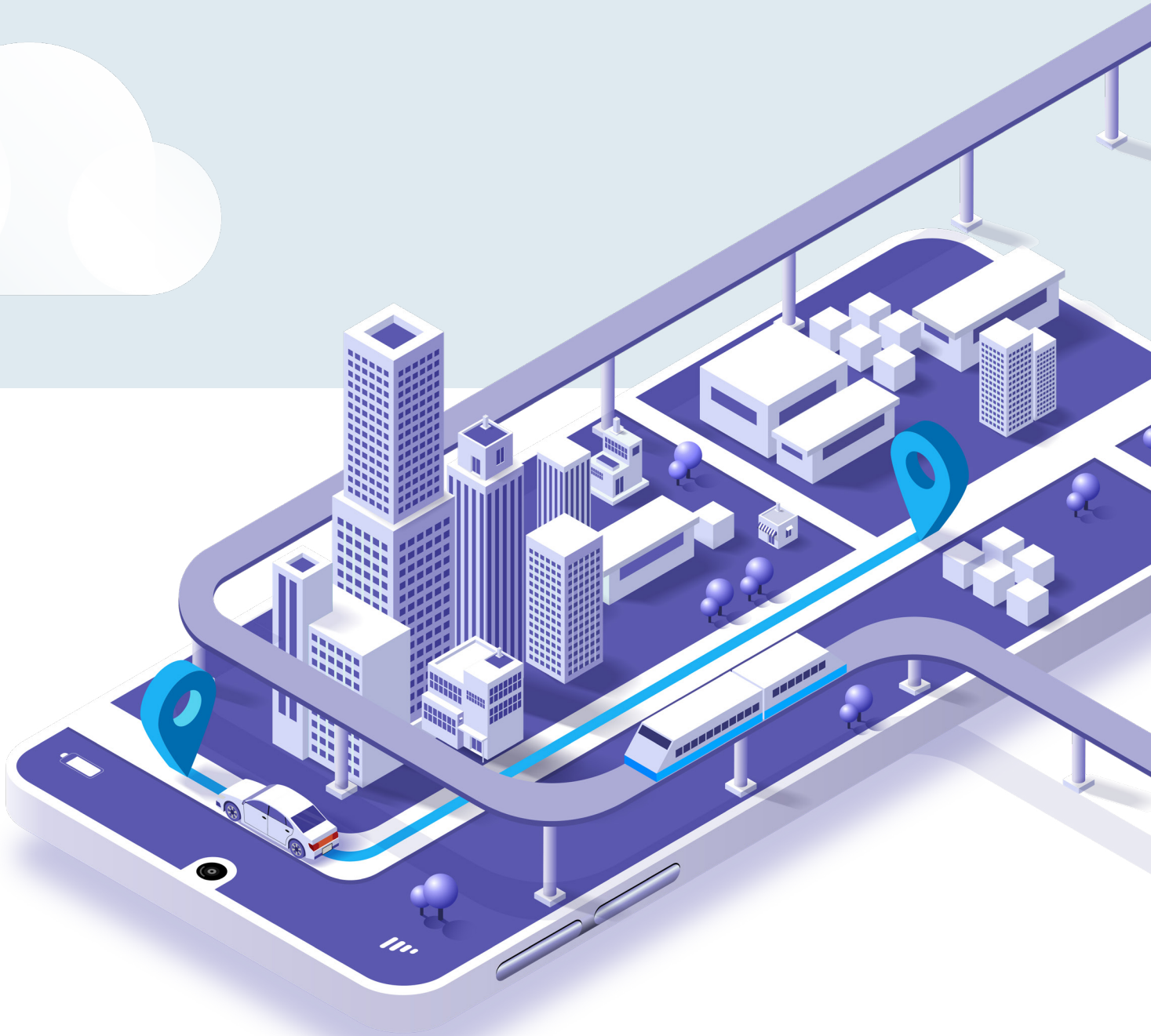
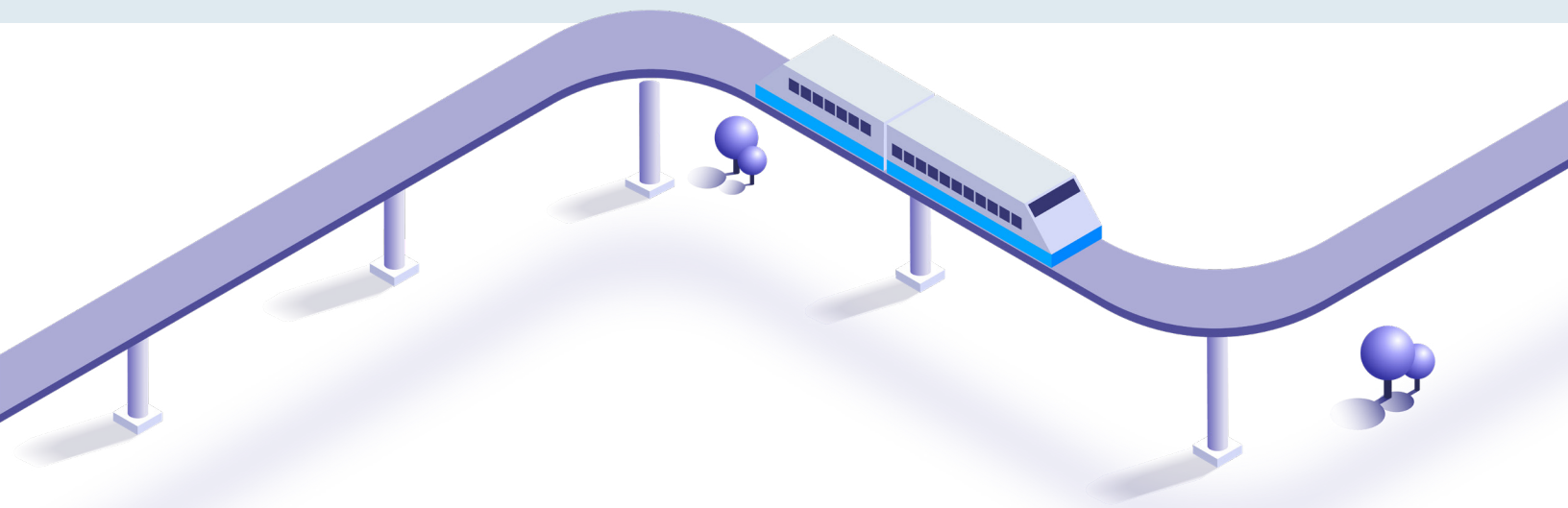


MAPPING THE FUTURE OF TRANSPORTATION





OUR BOARD



Yvette Colbourne



Beam Furr



Tycie Causwell



Joseph A. Scutto



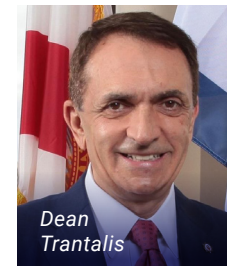
Joy Cooper



Tim Fadgen



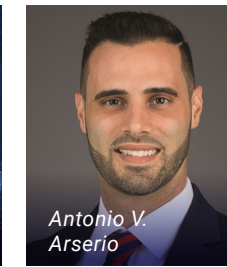
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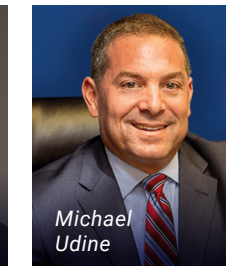
Dean Trantalis



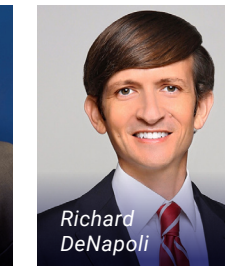
Andrea McGee



Antonio V. Arserio



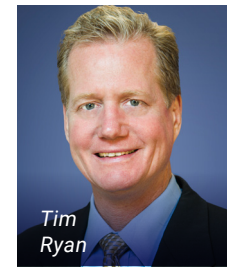
Michael Udine



Richard DeNapoli



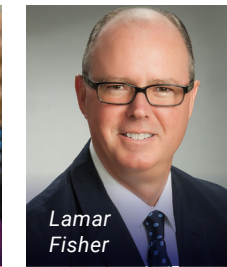
Rich Walker



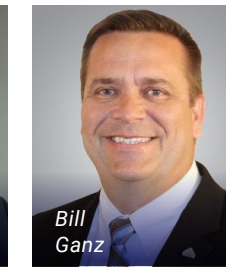
Tim Ryan



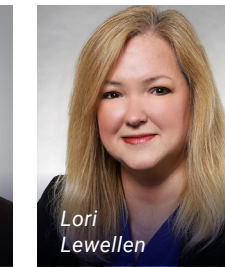
Sandra L. Welch



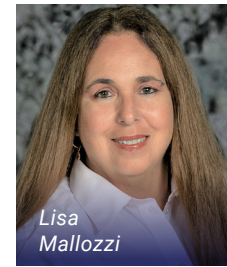
Lamar Fisher



Bill Ganz



Lori Lewellen



Lisa Mallozzi



Joshua Simmons



Byron Jaffe



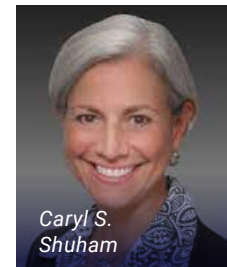
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Thomas Good, Jr.



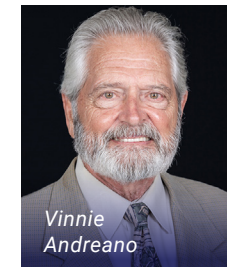
Chris Caputo



Caryl S. Shuham



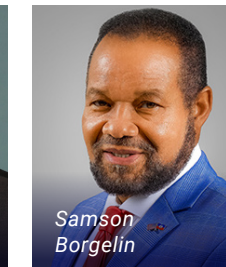
Kyle Van Buskirk



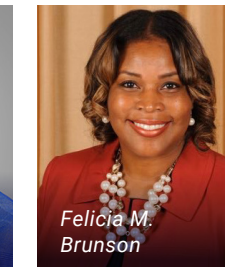
Vinnie Andreano



Lawrence Martin



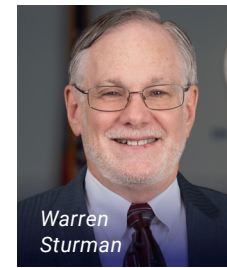
Samson Borgelin



Felicia M. Brunson



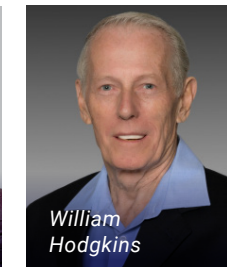
Michelle Whitman



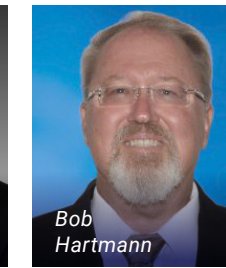
Warren Sturman



Hazelle Rogers



William Hodgkins



Bob Hartmann



Torey Alston

CONNECTING PEOPLE TO PLACES

As the new Chair of the Broward Metropolitan Planning Organization (MPO) Board of Directors, I am honored and proud to share the accomplishments of the MPO in this year's Annual Report. Our 2024 Executive Committee is the most diverse the Broward MPO has ever had. We are committed to the mission to collaboratively plan, prioritize, and fund the delivery of diverse transportation projects.

Our region has seen unprecedented growth. Our population has ballooned, the number of jobs has grown, and even our tourist population has increased. Moving these populations safely and efficiently requires creative modern solutions. We are working diligently to connect our people to the places they need to be, whether it is bringing your child to daycare, getting to work, running errands, or visiting our beautiful beaches.

Our Board is strategically planning for a sustainable future that meets the diverse needs of our nearly two million neighbors. We have one of the most diverse populations in the nation. Our region draws residents from across the country and around the world creating a "melting pot" of cultures and generations. Our Board represents every facet of our community and through careful, purposeful planning we will create a world-class transportation system.



Yvette Colbourne
Chair

A handwritten signature in black ink, appearing to read 'Yvette Colbourne', written in a cursive style.

EMBRACING THE FUTURE

This past year has been transformative for the Broward MPO. Throughout this Annual Report, we highlight the many projects that are directly shaping the future of our region. In the past, the Annual Report has collected what our great organization has accomplished. This year, we are also looking to the horizon through our investments in technology, sustainability, and future proofing our transportation system.

The days of reactive planning are no more. Thanks to the direction of the MPO Board, we anticipate our region's needs and solve problems before they even start. With their support, our incredible team, and through innovative and progressive approaches, we will face the future with confidence.

Our MPO is embracing the future by enhancing our transportation system with the most advanced technology to gain capacity without paving new lanes. We are developing SMART METRO, an innovative transportation modeling platform that will use artificial intelligence (AI) technology to create a regional digital twin that integrates data and models for effective transportation solutions.

We are building a sustainable future in Broward County by preparing for the challenges and changes that will impact our transportation systems and residents. From continuing our work on the Electric Vehicle Master Plan to developing a comprehensive Resilience Improvement Plan, we are taking steps today to be ready for tomorrow.

The MPO continues to make improvements across our region to increase safety, mobility, and enhancements that make a difference to the world and our community. I am proud of the incredible work our team has done and will continue to do in the future.




Gregory Stuart
Executive Director

A handwritten signature in black ink, appearing to read 'Gregory Stuart', written in a cursive style.

NAVIGATING TOMORROW'S ROUTES: BROWARD JOURNEY TO THE YEAR 2050

Every five years the Broward region sets a 25-year vision for transportation by building on previous planning efforts and reimagining transportation investments to meet the complex challenges of tomorrow. The Route to 2050, the MPO's Metropolitan Transportation Plan (MTP), charts a course towards the year 2050 by developing strategies to accommodate electric vehicles, recommending projects that make Broward's transportation system more resilient to extreme weather events, and improving access to destinations by providing more travel options.

The updated MTP is anticipated to be adopted by the MPO Board in December 2024.



Technology Funding Program:

\$88 Million

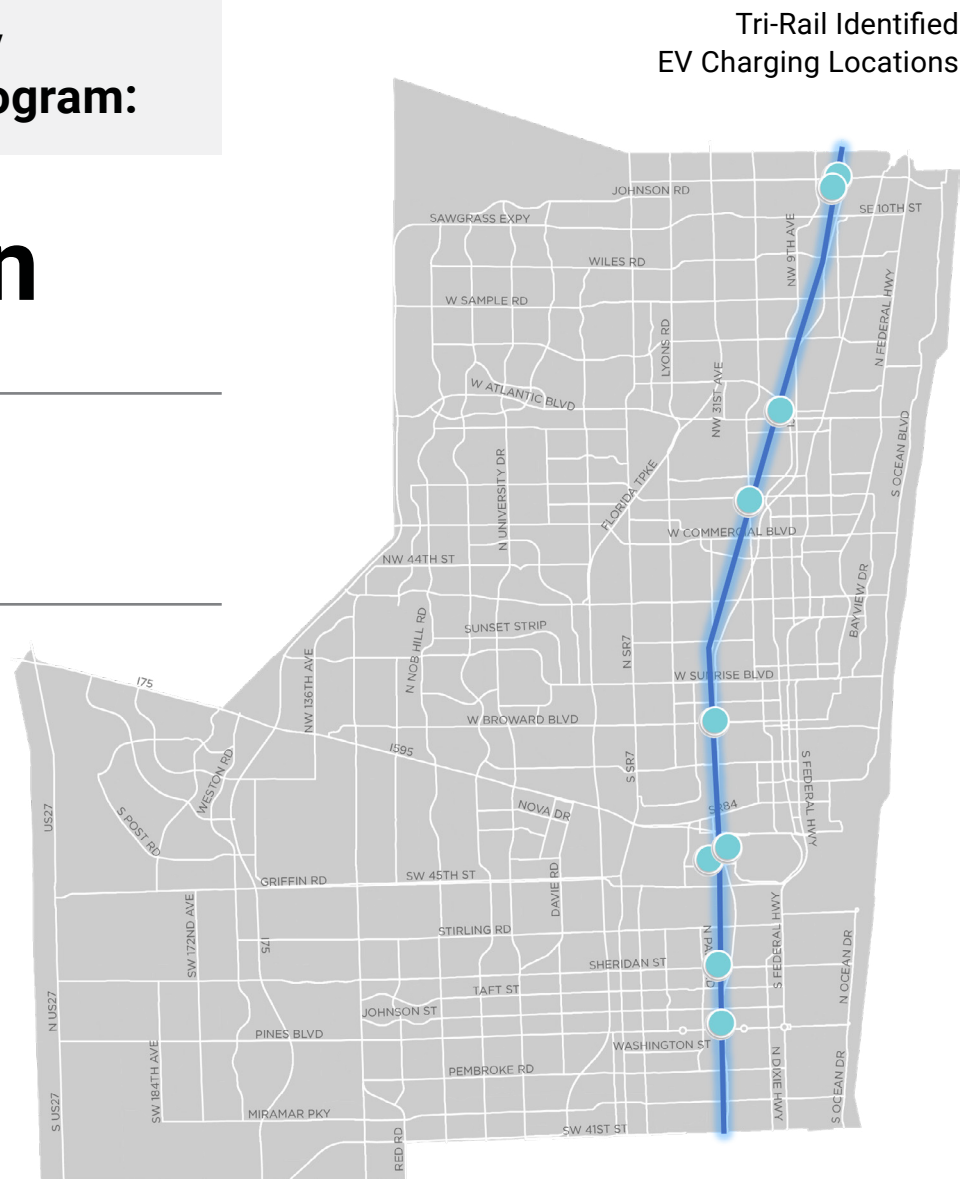
Total Estimated Costs

22

of Projects

Types of Projects

- Electric Vehicle (EV) Charging
- TSM&O
- Traffic Signal
- Digital Twin
- ITS



Recognizing the transformative potential of technology, the Broward MPO has earmarked a portion of its attributable funds for pioneering tech-driven projects.

Divided into three distinct tiers, the technology funding program of the MTP charts a course towards a future where innovation fuels progress.



Powering the Future

Nurturing the growth of EV infrastructure, with a particular emphasis on funding the deployment of EV charging stations across the county. By electrifying the roadways, the Broward MPO aims to pave the way for a greener, more eco-conscious tomorrow.



Data-Driven Future

Financing projects that incorporate cutting-edge technologies such as fiber optics, cameras, Traffic Systems Management and Operations (TSM&O), and Intelligent Transportation Systems (ITS). Supporting enhanced traffic management, optimizing existing infrastructure, and empowering commuters with real-time data will lead to more efficient journeys for all.



Decision-Making in the Future

Creating a digital twin of Broward County—a virtual replica that mirrors its physical counterpart. Harnessing the power of predictive analytics and scenario planning to revolutionize decision-making processes will steer the county towards a future where foresight is as essential as hindsight.

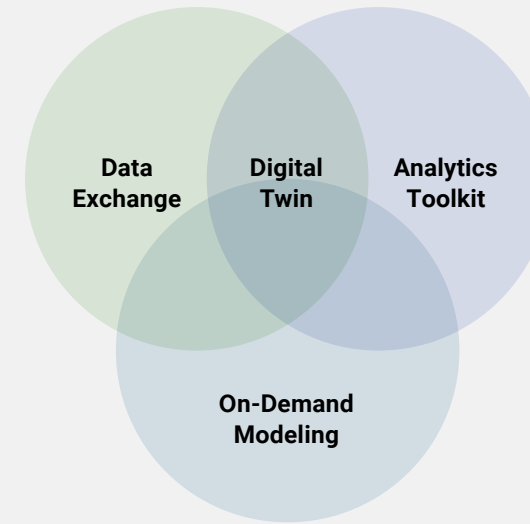
The future of transportation in Broward County is bright—embracing technology and innovation to meet the challenges of tomorrow. Together, we will forge a path to 2050—a route where every journey is a testament to the boundless possibilities of tomorrow.

For more information on the Broward MPO's Route To 2050 MTP, please visit: RouteTo2050.org

EMBRACING DIGITAL TWIN TECHNOLOGY

The Broward MPO has committed to exploring the use of digital twin technology in long-range planning activities. Staff are working with Deloitte Consulting LLP to design and deliver a digital twin platform to perform rapid scenario analysis in support of regional needs, coordinate project planning, and inform data-driven decision-making. While this project is only getting started, the Broward MPO hopes it can represent innovation in the field of long-term planning and set a new precedent for transportation agencies throughout the country.

In Broward County, accelerating impacts of extreme weather events, congestion, and population growth pose risks to Broward’s welfare and economic growth. These challenges would benefit from an integrated process that enables public and private infrastructure providers to coordinate project planning and bolster stakeholder buy-in, driving data-driven decision-making for cross-sector collaboration.



To assist with this, the platform will include a data exchange, analytics toolkit, and on-demand modeling capabilities. It will combine advanced machine learning, GenAI, data analytics, and engineering applications to deliver a solution that aims at enhancing government, constituent, and business engagement for better climate adaptation, and infrastructure planning insights that are core to the Broward MPO products and studies.

To foster critical support and build consensus across fundamental design choices early on, Deloitte Consulting LLP and the Broward MPO hosted an all-day workshop at the Museum of Discovery and Science in Fort Lauderdale for 15-plus government leaders, including longtime MPO collaborators as well as new partners. Representatives from Broward County, the Florida Department of Transportation (FDOT), the City of Miramar, and others participated in the hands-on collaborative meeting. The session with local leadership strengthened our coalition and enabled us to tailor platform development to participants’ unique use cases.



Over 15 stakeholders participated in the Greenhouse Lab on Wednesday, March 27, 2024 at the Museum of Discovery and Science (MODS) in Fort Lauderdale

The Broward MPO also received financial support from the United States Department of Transportation (USDOT) with the award of a Strengthening Mobility and Revolutionizing Transportation (SMART) discretionary grant. The SMART program provides grants to public sector agencies to conduct demonstration projects focused on advanced smart community technologies and systems. This year, the USDOT received 321 eligible SMART applications and awarded 34 grants to communities across the country. As a recipient, the Broward MPO will receive \$2 million to fund initial project planning over the next year, followed by an additional \$15 million to start the program.

As progress continues over the next few years, the Broward MPO will continue to develop partnerships throughout the region and seek opportunities to implement and refine the platform.

LEVERAGING TECHNOLOGY TO BUILD A SAFER TRANSPORTATION NETWORK

The roadways in Broward County are among the least safe in the nation, with high rates of crashes resulting in death and serious injury.

Between 2018 and 2022:

1,237

people were **killed in traffic crashes** on Broward County roads

5,597

people were **severely injured** on our streets.



In 2023, the Broward MPO, in partnership with Broward County, received \$5 million through the USDOT's Safe Streets and Roads for All (SS4A) Grant. During the past year, the Broward MPO and the County began to develop the Broward Regional Comprehensive Safety Action Plan. The aim is to develop a variety of implementation strategies to prevent roadway deaths and serious injuries in the region and prioritize investments in underserved communities. A primary goal is to establish a target date to reduce or eliminate fatalities and serious injuries on roadways. The SS4A grant award provides an opportunity to create a thorough safety plan for the entire County, making the region eligible for millions of dollars in additional funding for project implementation.

The Safety Action Plan takes a data-driven approach to update the high-injury network where the greatest number of crashes result in death and serious injury and prioritize the least safe corridor segments. In conjunction, the high-risk network identifies the types of corridors, such as high-speed arterials, with the greatest risk of crashes. The third component of the analysis is equity data to identify underserved communities with high rates of fatal and serious injury crashes.

A key difference of the Broward Safety Action Plan is the inclusion of focused safety plans to comprehensively address specific roadway issues. These include:

- School zones and school bus stops, including camera enforcement of speed violations
- Lighting at intersections and along corridors
- Mid-block crossings for safe pedestrian access between signalized intersections
- Technologies that could include adjustments to traffic signal timing to address speeding or leading pedestrian indicators (LPIs) that give pedestrians a few seconds of priority movement to cross the street when the signal changes.
- Rail safety at crossings and along the tracks between crossings
- Quick build projects for temporary improvements to test potential safety improvements
- Neighborhood intrusion to address traffic on primarily residential streets
- Speed management policies for safe speeds
- Analysis of existing guidelines and policies to increase their effectiveness



The data analysis and the focused safety plan will provide the basis for developing recommendations for projects, policies, and programs to improve safety on Broward roadways. The project recommendations will include major capital investments and low-cost, high-impact strategies.

Robust public involvement is key to the success of the Safety Action Plan. Two Advisory Committees meet regularly to review the plan elements and provide direction. The Oversight Committee and the Technical Working Group represent the diversity of Broward County with representation from transportation professionals, community organizations, the private sector, emergency responders, police and sheriff departments, and health professionals. During the coming year, the Broward MPO and Broward County will work with local communities to explore local safety issues and develop recommendations to improve roadway safety.

THE MPO'S CORE PRODUCTS: SHAPING BROWARD'S TRANSPORTATION PRIORITIES

The Unified Planning Work Program (UPWP) serves as a budget/scope of work for the Broward MPO and is updated to reflect the MPO's planning efforts every two years. The MPO not only includes activities that relate to safety and technology in its UPWP but is required to consider these categories when establishing planning priorities since they are (or are closely related to) the Planning Emphasis Areas (PEAs) issued by the State and Federal government.



While safety is incorporated in many of the MPO's plans and programs (as an evaluation criterion, for instance), there are many other safety efforts found within the UPWP. Some of these include the adoption of Vision Zero performance measures, the exchange of crash data with partner agencies, Roadway Safety Audits (which focus on addressing issues in high-crash locations), and, more recently, the collaborative effort between the MPO and Broward County to develop the Broward Safety Action Plan through the Safe Streets and Roads for All Grant.

With regard to technology, the MPO's UPWP features a number of efforts that fall within this category. Staff utilize a variety of software to create and maintain dashboards, portals, websites, etc. that are designed to make information more accessible to the public. Some examples of this include the [Performance Measures Dashboard](#), [Interactive Transportation Improvement Program \(TIP\)](#), and [Transportation Planning Equity Assessment StoryMap](#). Staff also continue to monitor and explore emerging mobility technologies such as electric vehicles and advanced traffic signals.

For more information on the Broward MPO's UPWP and these efforts, please visit: BrowardMPO.org/core-products/unified-planning-work-program-upwp-budget.

The TIP is a comprehensive list of Federal, State, and locally funded transportation projects expected to be built over the next five years. This MPO core product is a snapshot of your tax dollars at work. The Broward MPO updates the TIP annually, and the MPO Board approves it in July every year. The Fiscal Year 2024-2028 TIP programmed 463 projects with a funding commitment of about \$6.4 billion, covering aviation, bicycle/ pedestrian, highways, seaport, rail, and transit.

The TIP incorporates advanced projects leveraging Intelligent Transportation Systems to enhance traffic operations, efficiency, and safety, alongside the integration of EV charging stations, showcasing a commitment to innovative solutions for transportation. For instance, the TIP includes the installation of an Adaptive Traffic Control System, a component of Advanced Traffic Management Systems, along SR-870/ Commercial Blvd from SR-817/University Drive to SR-5/US-1, as well as the implementation of EV charging stations along SR-93/I-75 at the Miccosukee service plaza.

Major Projects - Fiscal Year 2024-2028 TIP

PROJECT	LIMITS	TYPE OF WORK	COST (MILLION)	FISCAL YEAR (FY)
1 Sawgrass Expressway	From NW. 8th St. to Powerline Rd.	Widen & Reconstruct	\$792	FY 2024 - FY 2028
2 SR-869/ SW. 10th St.	From Turnpike/ Sawgrass Expwy. to W. of I-95	Add Lanes	\$234	FY 2024 - FY 2028
3 I-95 Interchanges	From S. of SW. 10th St. to N. of Hillsboro Blvd.	Improve Interchanges	\$872	FY 2024 - FY 2028
4 I-75 & Pines Blvd. Interchange	From N. of Miramar Pkwy. to N. of Pines Blvd.	Reconstruct	\$139	FY 2028

Overall Funding For Broward MPO Programs

Complete Streets & Localized Initiatives Program	\$68 Million - 34 Projects	Roadway	\$1.2 Billion - 22 Projects
Complete Streets Master Plan	\$114 Million - 18 Projects	Systems Management/Safety	\$29 Million - 10 Projects
Mobility Hubs	\$19 Million - 3 Projects	Transit	\$25 Million - 1 Project
Total	\$1.4 Billion		88 Projects

As one of the largest MPOs in the state and nation, the annual TIP includes hundreds of projects. This makes finding individual projects within a given municipality a challenge. To help municipal partners review and monitor projects in the TIP falling in their jurisdiction, the Broward MPO has extracted a list of projects for each municipality from the current TIP. These Municipal TIP Reports cover projects located within a municipal boundary, excluding those that are countywide or statewide.

The current Municipal TIP Reports are available at: BrowardMPO.org/core-products/transportation-improvement-program-tip

BUILDING A RESILIENT BROWARD

Broward MPO's Response to Resilience Challenges

Extreme weather events increasingly pose challenges to our transportation infrastructure. Rising temperatures can lead to more frequent and severe weather events, such as hurricanes, floods, and heatwaves, which can damage our roads, bridges, railways, and airports. Rising sea levels threaten our roadways and ports with inundation and erosion. Addressing these impacts requires innovative adaptation strategies, resilient design, and sustainable transportation solutions.

The Broward MPO is taking proactive measures to address the challenges posed by extreme weather events. Recognizing the urgent need for sustainable solutions, the MPO is prioritizing investments in resilient infrastructure, actively promoting the expansion of transit networks, and promoting diverse transportation options, such as alternative fuel vehicles, bicycling, and walking, to reduce greenhouse gas emissions. Through collaboration with stakeholders, policymakers, and the community, the MPO is spearheading efforts to ensure the long-term viability and resilience of the region's transportation network.



The Future of Transportation

The future of transportation isn't carbon based. A shift to alternative fuels is already well underway. To help better prepare our region, the Broward MPO has invested in creating its first EV Master Plan.

An EV Master Plan isn't just about electric cars; it's about enabling a more sustainable and equitable transportation network for the future. By addressing the specific needs of underserved populations, such a plan can bring cleaner air, economic benefits, and increased transportation options to the communities that need them most.

This type of planning helps to create a path toward improved health, environmental sustainability, and transportation equity for all.



EV Benefits

Improved Air Quality: Targeting EV charging infrastructure in underserved communities helps reduce localized pollution that can lead to respiratory problems, heart disease, and other health issues.

Economic Opportunity: Investment in EV infrastructure and incentives in underserved areas will create job opportunities in the installation, maintenance, and operation of charging stations.

Reduced Transportation Costs: EVs often have lower operating costs than gasoline-powered cars, potentially providing significant savings for those struggling with transportation expenses.

Access to Reliable Transportation: Expanding EV infrastructure, especially public charging stations, in underserved areas can provide reliable transportation options in communities that might traditionally be underserved by transit or where residents often rely on older, less fuel-efficient cars.



The Importance of an EV Master Plan: Driving Equity and Environmental Benefits

As the transition towards electric and alternative fuel vehicles accelerates, it's crucial for communities to have clear directions on where to install infrastructure to best serve all residents. A well-crafted EV Master Plan will outline a comprehensive strategy for expanding EV adoption by placing charging infrastructure to ensure the benefits of this transition are distributed equitably for all individuals. The EV Master Plan will be completed by late Summer 2024.



IN YOUR COMMUNITY: WILTON MANORS

The Broward MPO's City Services team is at the forefront of transforming mobility by assisting member governments to develop multimodal transportation plans that serve the needs of everyone in their community. The City of Wilton Manors Transportation Master Plan (TMP) is the result of 18 months of hands-on technical assistance and extensive public engagement with a variety of stakeholders. With a vision of creating a cohesive community that stitches together the diverse needs of residents, business owners, and visitors, the TMP recommends specific transportation projects based on in-depth qualitative and quantitative assessments of mobility and roadway safety conditions.



Key to this undertaking was the use of cutting-edge technology. A Geographic Information System tool, which maps and analyzes spatial location data, was integral during field audits. This tool assisted in recording conditions and activities on roadways, enhancing the planning process. The existing conditions were rigorously assessed using the level of traffic stress methodology, quantifying discomfort experienced by bicyclists or pedestrians when travelling along or crossing roadways throughout the City. The recommended projects in the TMP adhere to local and national best practices, including the Federal Highway Administration's Proven Safety Countermeasures initiative.



Public engagement was crucial in shaping the TMP, as decisions about how to travel are deeply influenced by concerns about safety, comfort, and convenience. Through surveys, presentations at community and city meetings, and interactive open houses, we ensured the TMP reflected the community's priorities and gained its support, making it a truly collaborative and community-driven plan.

To learn more about the planning efforts in Wilton Manors, visit BrowardMPO.org/plans/city-of-wilton-manors.

ENGAGING WITH OUR DIVERSE COMMUNITY

The Broward MPO strives to amplify community voices and promote equity and inclusivity in transportation planning through targeted public involvement efforts and strategic partnerships. By engaging diverse communities across Broward County, the MPO ensures that transportation projects align with the needs and aspirations of the people they serve.

This year, the Broward MPO demonstrated its commitment to public involvement through robust outreach efforts across the county, including:

Don't Risk It! Rail Safety Outreach Campaign - 2023-2024

Celebration of TIGER Grant, Earmarks, and Thriving Communities Announcement - July 2023

Hollywood Mobility Hub Celebration - January 2024



Let's Go Biking! - March 2024



State of The Region Annual Awards - March 2024

504
total attendees
62
elected officials
26
cities represented



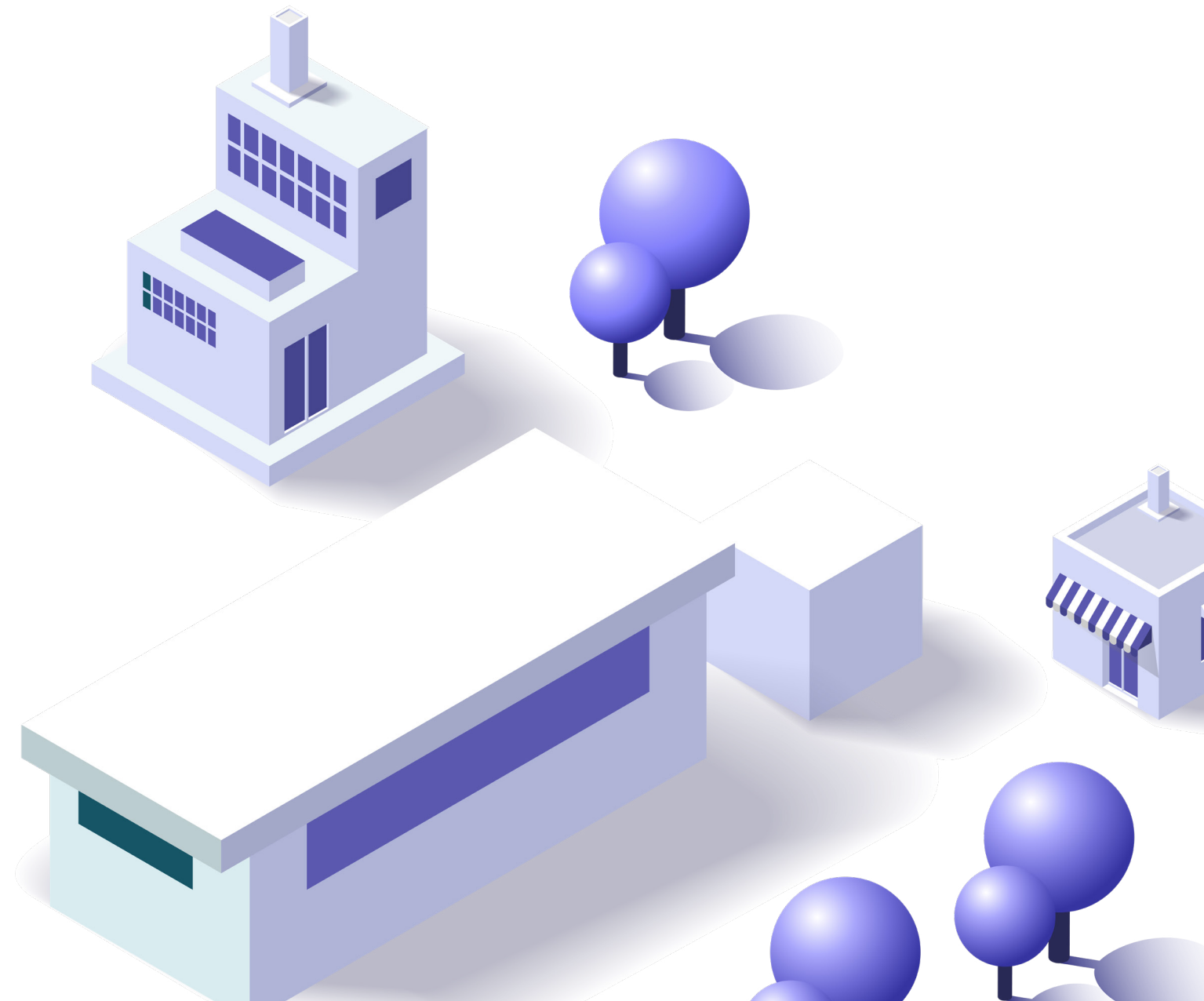
Let's Talk Transportation Podcast Celebration - June 2024



Transportation Academy, First Graduating Class - June 2024

"The Broward MPO's grassroots public engagement initiative, also known as Speak Up Broward, continues a dialogue with the public to educate South Florida communities about the importance of the transportation system on quality of life. This multifaceted initiative is nationally recognized and seeks to bring the MPO's message beyond the office's walls from the more traditional setting".

- Federal Certification Review Committee



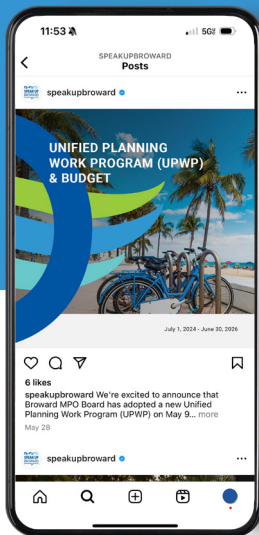
OUR MISSION

To collaboratively plan, prioritize, and fund the delivery of diverse transportation options.

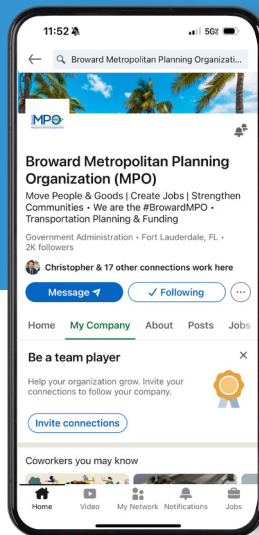
OUR VISION

Our work will have measurable positive impact by ensuring transportation projects are well selected, funded, and delivered.

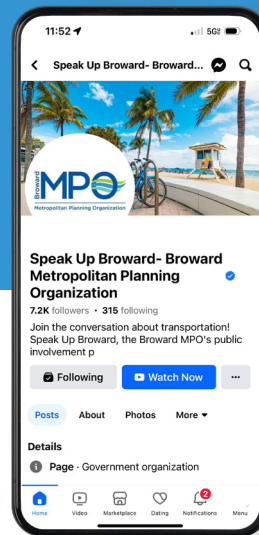
Join the conversation and tag us on your social posts! #BrowardMPO



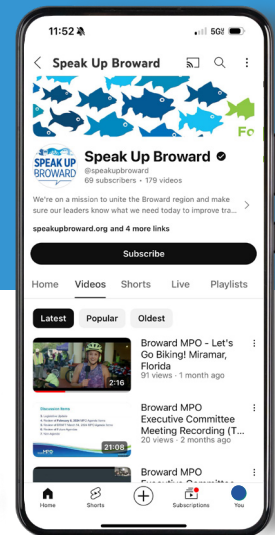
SpeakUpBroward



Broward Metropolitan Planning Organization (MPO)



Speak Up Broward - Broward Metropolitan Planning Organization



Speak Up Broward

BrowardMPO.org

For complaints, questions or concerns about civil rights or nondiscrimination; or for special requests under the Americans with Disabilities Act, please contact: Carl Ema at emac@browardmpo.org or (954) 876-0052

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