

COUNCIL IMPACT AWARD

TRANSPORTATION SYSTEMS MANAGEMENT AND OPERATIONS ORGANIZATION AWARD

Florida Department of Transportation District Four

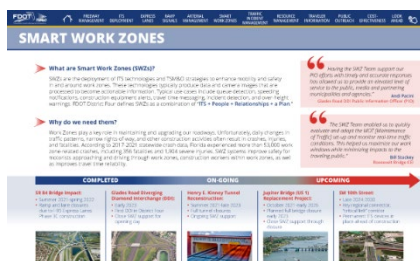


Congratulations to the Florida Department of Transportation (FDOT) District Four for being selected to receive a 2023 Council Impact Award – Transportation Systems Management and Operations (TSMO) Organization Award.

The ITE Council Impact Awards seek to recognize individuals and organizations for outstanding contributions to the transportation industry and the communities they serve. ITE Councils work to advance the knowledge and practice in their disciplines, and the Council Impact Awards seek to recognize those professionals and/or organizations who have demonstrated excellence in the following core focus areas:

- Innovative activities and contributions in the practice of transportation engineering and planning
- Advancement and implementation of TSMO and ITS technologies
- Leadership and innovation in advancing traffic safety programs, initiatives, or technologies
- Unique and successful educational programming and resources for student engagement
- Dedication and commitment to transportation in the community
- Demonstrated commitment to incorporating diversity, equity, and inclusion into all aspects of transportation

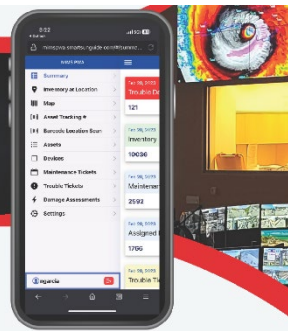
FDOT District Four is being recognized for its notable strides in advancing transportation safety and efficiency through innovative TSMO programs. This recognition is a testament to District Four's commitment to excellence and its vision to enhance the lives of both residents and visitors in Florida.



**Kinney Tunnel Project Sparks Transformation.** Among FDOT District Four's recent accomplishments is the groundbreaking Kinney Tunnel Project, an example of their innovative approach in redefining traffic safety. This ambitious endeavor, initiated in the summer of 2021 and completed in winter of 2023, has already showcased remarkable success. Throughout its construction, the department skillfully managed three complex detour scenarios—Northbound closure, Southbound closure, and Full Closure—ensuring the uninterrupted flow of traffic while safeguarding both motorists and construction workers. A key facet of the Kinney Tunnel Project

was the Smart Work Zone (SWZ) program that has revolutionized construction zone management. The real-time monitoring of the Kinney Tunnel SWZ guaranteed prompt responses to changing conditions. By collaborating closely with signal timing engineers, the department optimized signal timing on the fly, effectively mitigating traffic congestion and enhancing traffic flow. This success culminated in the establishment of the **District Four SWZ program**, the pioneering initiative of its kind in Florida. Designed to guide all district departments in SWZ implementation, this program promises to significantly elevate safety, mobility, and infrastructure efficiency within construction zones.

**Hurricane App for ITS Devices and Infrastructure Damage.** District Four has also harnessed the power of technology to overhaul damage assessment processes with the Maintenance and Inventory Management System (MIMS). This TSMO-enhancing software marks a pivotal step towards revolutionizing emergency response and disaster recovery efforts. Previously, damage assessments were laborious and error-prone, involving time-consuming site visits, manual documentation, and the potential for inaccuracies. T



Nicole Forest, District Four's TSM&O Resource Manager, introduced a game-changing solution—leveraging a smartphone app to comprehensively track and assess damage to critical assets. By integrating this innovation into the MIMS software, the assessment process has been streamlined, leading to time and cost savings. The app's capabilities include pinpointing asset locations, gauging damage severity, and outlining remediation actions and associated costs. This innovative approach has demonstrated strong scalability and applicability to the TSM&O industry, with the potential to be implemented statewide and throughout the TSM&O industry, offering substantial cost reductions and significantly improved accuracy in reporting damage assessments.

District Four's pioneering work in TSMO, exemplified by the Kinney Tunnel Project and the MIMS-enhanced damage assessment process, showcases their dedication to driving impactful change in transportation. These initiatives not only elevate safety and efficiency but also resonate with FDOT District Four's overarching vision to enhance the quality of life for Florida's populace and visitors.

See FDOT District Four's 2022 Annual Report for details on their many initiatives [here](#). Check out District Four website [here](#).

Congratulations to the FDOT District Four team on a well-deserved achievement and on your many innovative initiatives that are advancing TSMO and ITS and making the travelling public safer in District Four: **Alexandra Lopez, P.E., PTOE**, TSM&O Program Engineer; **Nicole Forest**, TSM&O Resource Manager; and **Daniel Smith**, TSM&O Arterial Program Manager.