

DISTRICT 4 SMART WORK ZONE

A NEW WAY OF THINKING





WHY?



4,016+
CONSTRUCTION
PROJECTS IN
NEXT 5 YEARS



53,000+ WORK ZONE-RELATED CRASHES FROM 2017-2021



COMMUNITY
DISRUPTION
DURING
CONSTRUCTION







TCPalm.

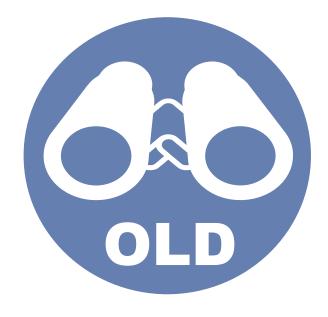
FDOT: Severe corrosion found at Roosevelt Bridge causing support of bridge to be ruptured







SWZ DEFINITION



Application of technology used to reduce negative impacts to safety and mobility within a work zone.



Application of technology used to reduce negative impacts to safety and mobility within and around a work zone.



INNOVATION & FOCUS ON COMMUNITY

AREA OF INFLUENCE



SWZ EQUIPMENT – WIRELESS DATA TRANSFER



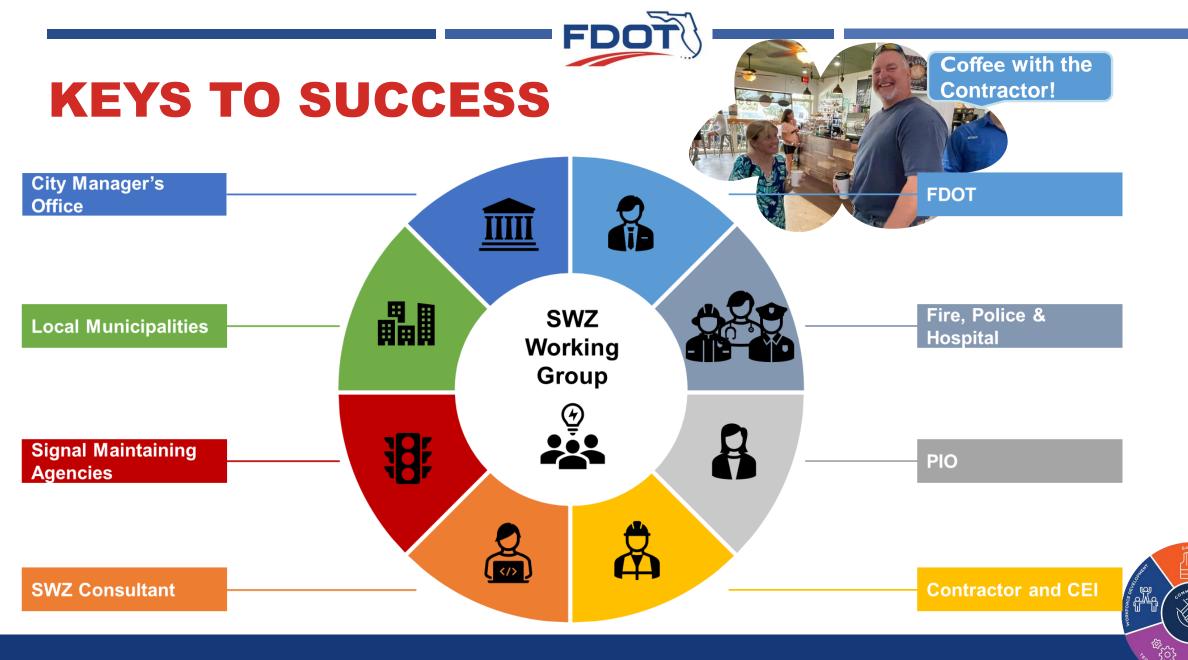


SECONDARY BENEFITS

Rapid ITS Deployment

- Natural Disaster
- Unplanned Road
- Closures
 Emergency Management Support
- Special Event Monitoring



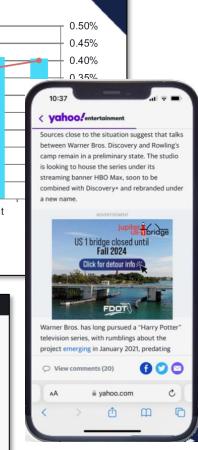




Day of Week Performance

Geofencing Media Campaign





watch all 380 games during the season

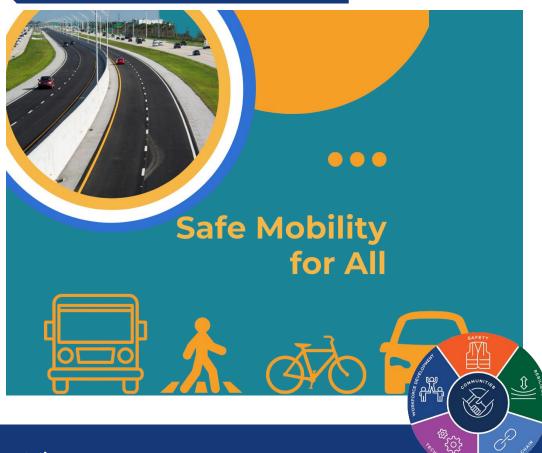


FORMALIZING PROGRAM

D4 SAFETY TEAM



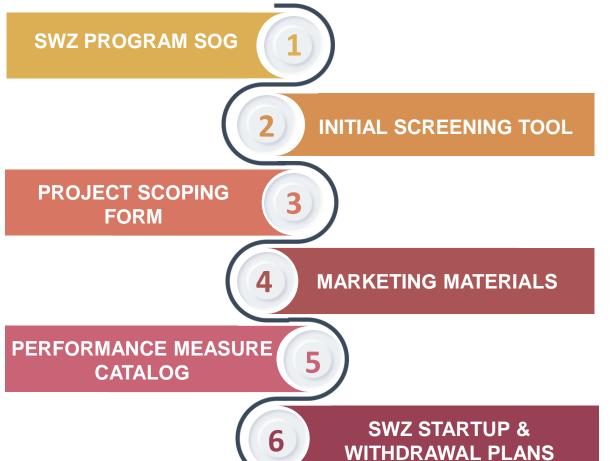
D4 MOBILITY TEAM

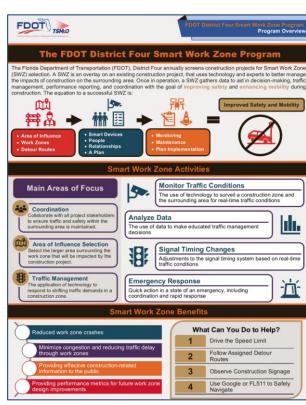




SCALABLE PROGRAM

lorida Department of Transportation (FDOT) District 4 Transportation System Management and Operation (TSM&O) FDOT Scoping Checklist The purpose of this checklist is to assist FDOT project managers and TSM&O staff with identifying key TSM&O improvements, deliverables, and milestones to include in projects and project schedules. This includes, but is not limited to, activities and deliverables associated with the systems engineering process, ITS and signal system design, and documentation related to preserving the existing TSM&O network components and infrastructure. Project Manager: Project Description Project Limits (Project Length): **Production Date** Is this project within the existing TSM&O Network? What are the existing devices or infrastructure in place? (Is there an Will the existing infrastructure require additional coordination? ☐ Yes (e.g. conduit run conflicts, ITS device relocation or upgrade, etc.) Incorporate new FDOT managed ITS Infrastructure or TSM&O Strategie Are the project limits on the TSM&O Strategic Network Traffic Management What type of implementation strategies are recommended from the District 4 TSM&O Master Plan? (Check all that apply) □ Transit Management ☐ Safety & Emergency Management No recommendations. FDOT doesn't maintain Additional Comments Date TSM&O Scoping Form was uploaded to PSEE Scoping Lead TSM&O Program Engineer Alexandra.Lopez@dot.state.fl.us (954) 777-4376

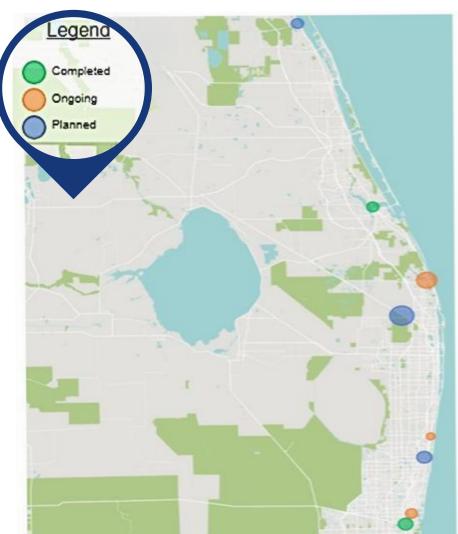






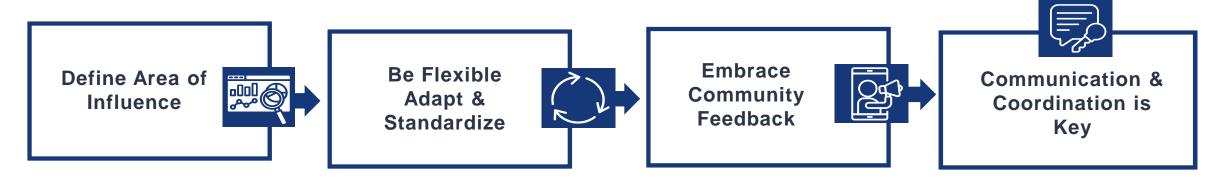
PAST, PRESENT & FUTURE







OUTCOMES & LESSONS LEARNED



FORMULA FOR SUCCESS TECHNOLOGY + PEOPLE + RELATIONSHIPS + A PLAN

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