



ITS and Fiber Deployment Plan

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TDOT's TSMO Program Plan (2022)



VISION

Support and promote a TSMO Program in Tennessee that becomes fully integrated into both state and local agency practices.



MISSION

To preserve and optimize the safety, efficiency, and reliability of Tennessee's transportation system for all road users by leveraging data-driven, operational, and technology-based strategies and applications.



GOALS

Safety

Reduce the frequency and severity of crashes on the transportation system through TSMO focused planning, design and management.

Reliability

Improve travel-time reliability by managing transportation network delays and enhancing real-time traveler information.

Efficiency

Operate and maintain a coordinated multi-modal transportation system that provides seamless mobility to users.

Workforce

Support and advance TSMO education, training needs, and resource depositories for TDOT and local partners.

TSMO Plan Action Items

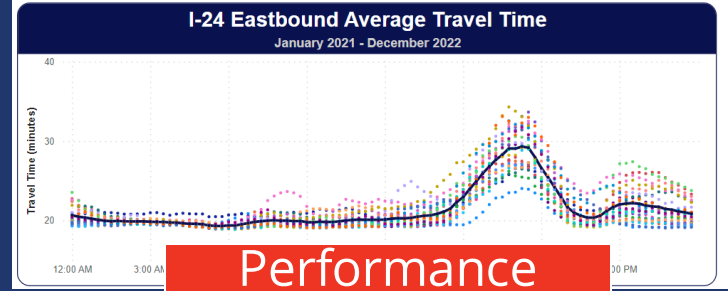
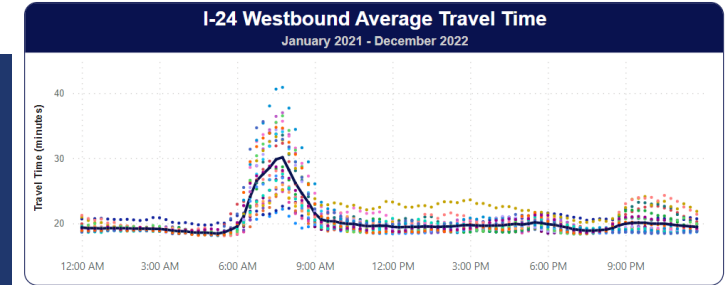
- Develop ITS deployment plan
 - Identify gaps and needs
 - List of projects
 - Prioritize capabilities
- Develop statewide fiber network deployment plan
 - Bridge communication gaps
 - Interconnect TMC's



TMC Operations



HELP Operations



Performance
Measurement

Begin with the end in mind

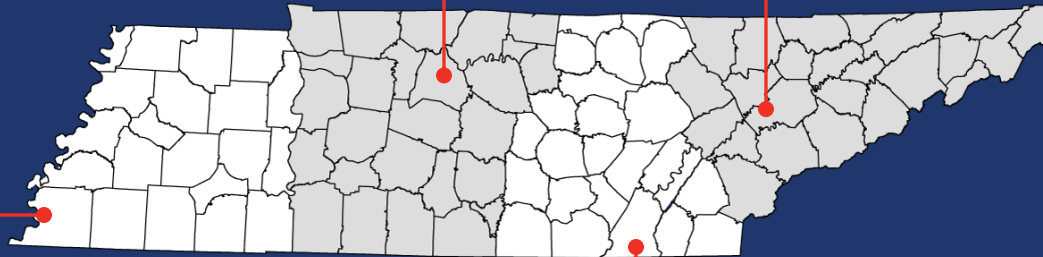
Areas of Opportunity



Stakeholder Engagement

- 4 In-Person Region Meetings
 - Scheduled last week of November
- 1 HQ In-Person Meeting
- 1 HQ Virtual Meeting
- 4 Virtual Region Meetings

Region 3 Nashville **Region 1 Knoxville**



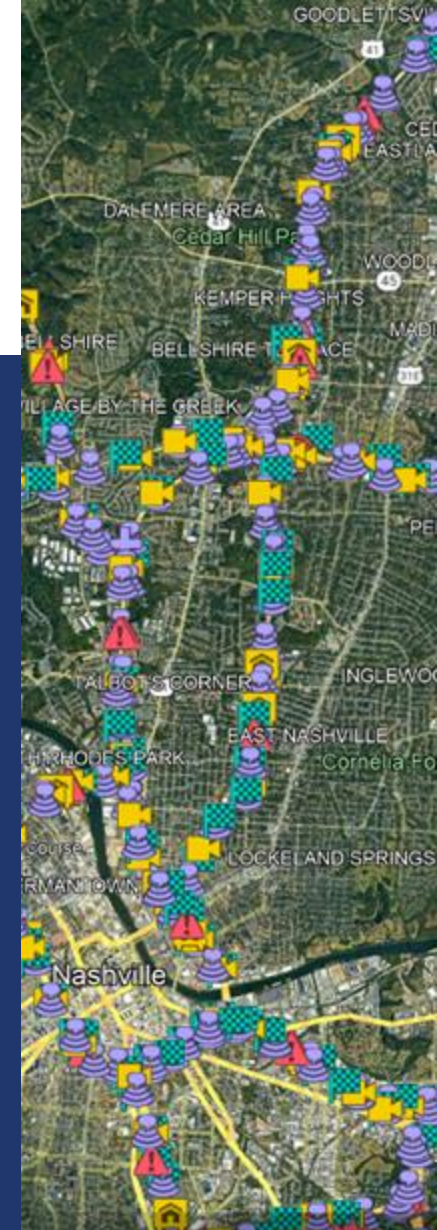
Region 4 (TMC) Memphis

Region 2 Chattanooga

ITS and Fiber Deployment Plan

Deliverables

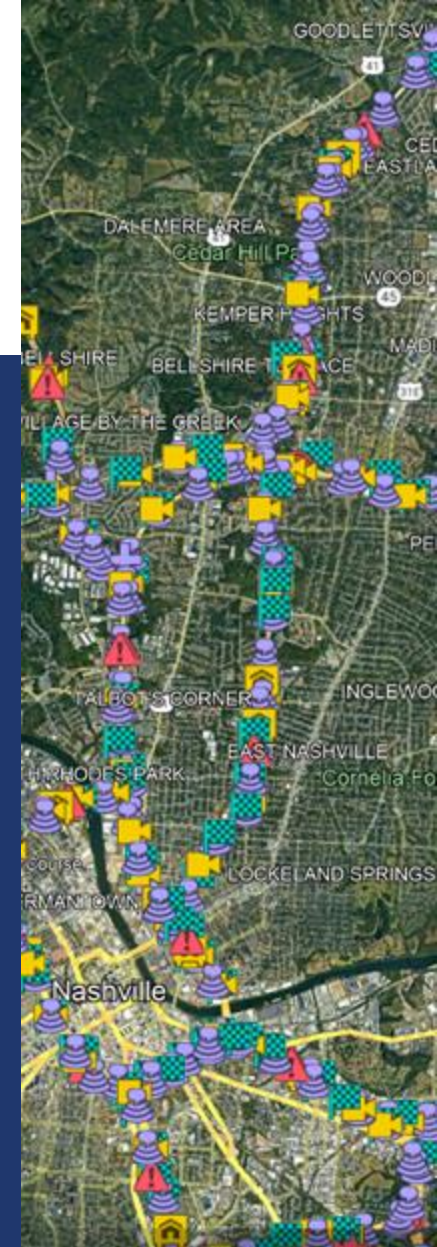
- GIS Maps of Proposed Deployments
- Draft Deployment Plan
- Final Deployment Plan



ITS and Fiber Deployment Plan

Tasks

- High Level Safety Analysis
- Review Existing Deployment KMZs
- Develop Schema for GIS Maps
- Project Identification
- Project Prioritization
- Cost Benefit Analysis



Statewide Architecture Addendum

- Prepare Addendum to current Statewide ITS Architecture
- Include new projects and service packages
- Update, update, update



Tennessee Statewide Intelligent
Transportation Systems Architecture

FINAL
REVISED

August 6, 2019

Prepared for:
Tennessee Department of Transportation



Prepared by:
Stantec Consulting Services Inc.

Questions?

