I-24 Congestion Contributors

Traffic Incidents 27%

Contributors to Congestion

- Bottlenecks 55%
- Traffic Incidents 27%
- Poor Signal Timing 5%
- Special Events 5%
- Bad Weather 3%
- Work Zones 5%

Incidents Breakdown 2015
(Total Crashes: 1,661)
AM Peak Period Travel Time
I-24 From I-840 to Briley Pkwy.

High Variability
**Project Limits**

**Interstate 24 (I-24)** - approximately 28 miles along I-24 from Exit 53 (Interstate 440) in Metropolitan Nashville-Davidson County to Exit 81 (State Route 10 / US Route 231) in the City of Murfreesboro.

**State Route 1 (SR-1/Murfreesboro Road)** - approximately 28.5 miles along SR-1 from I-24 in Metropolitan Nashville-Davidson County to SR-10 / US-231 in the City of Murfreesboro.

**Connector Routes** - The project limits further consist of approximately 30 miles of connector routes between I-24 and SR-1.
Phase I Deployments - Physical

- Selective Gap Closure of Communications Network
- Ramp Acceleration/Deceleration Lane Extensions (5 Locations)
- Emergency Refuge Areas/Pull-offs (14 Locations)
Phase I Deployments - Technology

- Dedicated Short-Range Communication (DSRC) Deployment (152 Locations)
- Arterial Signal System Upgrades (121 Signals)
- Shoulder Mounted Dynamic Message Signs (23 Locations)
- TMC Central Software
152 Locations
Phase I Deployments - Operational

- Incentivized towing
- Improved communication between agencies
- TMC Operations Upgrades
Phase II - Intermediate

- Active Freeway Management Build Out (dynamic speed/lane/merge control)
- Signal Detection Upgrade
- Traffic Signal Re-timing and Scenario Planning
Phase III - Long Term

- Ramp Metering
- Network Completion
- Integrated Corridor Management Decision Support System
- Full center to center integration
Current Status

Phase 1
• Contract was awarded October 30 ($18,688,440.80)
• Construction activities have started with the project currently on schedule

Phase 2
• Construction Plans Complete
• Letting targeted for October 2019