



TSMP **Supporters**



TTSUG **TENNESSEE** **TRAFFIC SIGNAL** **USERS GROUP**

TDOT's Traffic Signal Modernization Program

2020–21 Grant Application

This grant is associated with the Traffic Signal Modernization Program (TSMP), which is a Tennessee Department of Transportation (TDOT) program designed to help communities and their local traffic signal maintaining agencies modernize existing traffic signal equipment and operations. CMAQ eligible counties are not eligible for these TSMP grant funds and those grant applications submitted will be eliminated from consideration. The overall grant funds for this TSMP program are capped at \$250,000.00 from which five projects will be selected up to \$50,000 capped per project. Any TSMP project costs beyond the \$50,000 cap will be the full responsibility of the local agency. The goal is to select one project from each TDOT Region with the fifth project being selected from the remaining grant application submissions.

Eligible TSMP Items Include:

- Controllers & Conflict Monitors
- Controller Cabinet & Equipment
- Signal Heads & Flashing Beacons
- Signal Head Backplates
- Supplemental Signal Heads
- Pedestrian Signal Heads
- Pedestrian Push Buttons
- Signal Wiring and Cables
- Advance & Stop Bar Detection
- Timing Optimization Plans

What are some expected benefits to modernizing your traffic signal items?

Reduction in crashes (est. percentage of crash reduction)

- Controller/cabinet upgrade: 30% crash reduction
- Signal timings coordination: 32% crash reduction
- Supplemental signal heads: 28% crash reduction
- Detection upgrade: 20% crash reduction
- Advance signal ahead warning devices: 22% crash reduction

Other expected benefits include:

- Reduction in traffic congestion
- Increased reliability in detecting vehicles
- Improved traffic signal visibility
- Savings in energy efficiency
- Reduction in maintenance costs
- Automated collection of traffic count data

Grant Application Deadline:

The Traffic Signal Modernization Program Grant Application and the TSMP Estimated Construction Costs spreadsheet (not PDF format) along with any other information related to the grant application must be completed and submitted via email by 4:00pm CST on Wednesday, December 2, 2020 to TDOT.TrafficOps@tn.gov with the subject line "Traffic Signal Modernization Grant". For questions regarding this TSMP grant, please contact Steve Bryan at Steve.Bryan@tn.gov.