Automated Traffic Signal Performance Measures

Helping Traffic Engineers Manage Data to Make Better Decisions

Automated signal performance metrics show real-time and historical functionality at signalized intersections. This allows traffic engineers to measure what they previously could only model. Accurate decision-making about signal performance and timing helps signal management personnel identify vehicle and pedestrian detector malfunctions. This cost effective solution also measures vehicle delay and the volume, speeds and travel time of vehicles. Your agency can use these metrics to identify operational deficiencies, optimizing mobility and helping manage traffic signal timing and maintenance. Evaluating your traffic signals helps you reduce congestion, save fuel costs and improve safety.

Why Automated Traffic Signal Performance Measures? Why now?

Automated Traffic Signal Performance Measures are a valuable asset management tool—aiding technicians and managers in the control of both hardware and overall mobility within the system. They allow analysis of data 24 hours a day, 7 days a week, improving the accuracy, flexibility and performance of signal equipment and the system as a whole.

This technology provides a clear framework for performance and decisions, informing good dialogue and helping calibrate expectations—of the public, agency leadership, legislators, first responders and other mobility partners.

In addition, signal timing is a resource that can be used to model or track how the asset degrades over time and therefore what kind of maintenance is required to sustain good, basic service.

Automated Traffic Signal Performance Measures work because they were developed, tested and successfully adopted by your peers. The AASHTO Innovation Initiative assembled those innovators on a team that is standing by now to help you deliver Automated Traffic Signal Performance Measures to your customers.

Email, call or scan for more information today!

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Automated Traffic Signal Performance Measures

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