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Georgia DOT's Signal Software Update to Make Traffic "Smart"

A turn-key solution to signal control

CARTERSVILLE, Ga.— Georgia Department of Transportation in partnership with Intelight, Inc. announced the deployment of state-of-the-art "smart" signals at 1,000 intersections throughout Georgia.

The project is part of a statewide upgrade which converts traffic lights in Georgia to an up-to-the-second traffic signal controller technology. The new software provides significant improvements to how Georgia DOT and local agencies can operate their signal systems.

The proactive response will no longer require engineers to rely on citizen complaints or on-site checking of signals, rather the system will allow for signals to automatically provide feedback to a central system in the Traffic Operations Center in real time. This allows for engineers to focus attention where it is needed.

"We are thrilled to reach this major milestone on such a quick timeline and look forward to continued deployment throughout the state," GDOT State Traffic Engineer Andrew Heath said. "The software allows us to understand the performance of each signal by monitoring data that comes in every tenth of a second. Our engineers are able to make real time adjustments to the signals to optimize performance based on actual roadway conditions."

This response to operational issues improves signal operations on Georgia's busiest corridors while also providing transparency to the public on system performance.

The 1,000 intersection milestone was achieved in late July and marks the beginning of the final project goal of deploying "smart" signals at approximately 9,000 intersections. The project includes signals in Metro Atlanta, Cartersville, Thomaston, Gwinnett County and Athens-Clarke County. Approximately, 350 smart signals have been deployed at intersections in northwest Georgia.

The software was launched in fall 2015 and is scheduled to be fully deployed on Georgia DOT-maintained signals across the state by fall 2017. The Department is also providing this system to local agencies at no cost, with statewide deployment expected to be complete by 2018.

The Georgia Department of Transportation is committed to providing a safe, seamless and sustainable transportation system that supports Georgia's economy and is sensitive to both its citizens and its environment. For more information on Georgia DOT, please visit www.dot.ga.gov. You also may follow us on (www.facebook.com/GeorgiaDOT-Northwest) and [Twitter](https://twitter.com/GDOTNW) (<https://twitter.com/GDOTNW>).