TransSuite

Traffic Management System

TransSuite® Traffic Management System (TMS) is TransCore's industry-leading software for the collection and analysis of real-time traffic flow data. TransSuite TMS is designed to support a wide range of detection technologies.

TransSuite TMS supports the collection of traffic data from a variety of sources. This includes agency-owned devices such as video detection, in-pavement sensors, radar-based technologies, blue-tooth devices and field processors. The system also supports data from third party traffic data sources, including Inrix®, HERE and others, as well as data from multiple sources to provide a complete area-wide view of traffic conditions.
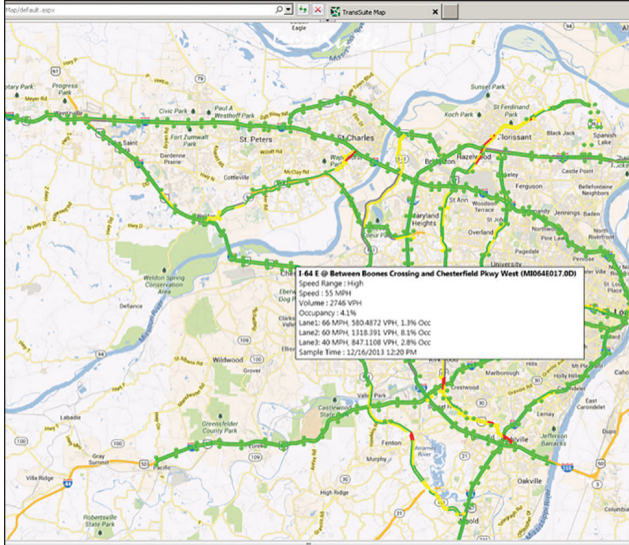

TransSuite TMS includes powerful analytics to process traffic data, providing system operators with the tools they need to effectively manage traffic. These tools include ramp metering operations, such as time of day and traffic responsive operations. The system calculates travel times for user-defined roadway segments and can alert operators to locations where speeds fall below a user-defined threshold. With built-in incident detection algorithms, TransSuite TMS can also alert system operators to potential incident locations.

Traffic Data Collection Technologies Supported by TMS

▶ Wavetronix HD 125 & 126

▶ RTMS G4

▶ Inductive Loop Detection

▶ Inrix

▶ HERE

▶ Sensys Networks

▶ Bluetooth Readers

▶ TOM TOM

TRANSCORE®
Trusted Transportation Solutions

Management Strategies

▶ Ramp Metering

▶ Travel Time Calculation

▶ Variable Speed Warnings

▶ Automated Incident Detection Algorithms

Standards Based

TransSuite TMS leads the industry in the implementation of ITS standards, including NTCIP communications. TransSuite is also fully integrated with industry standards for interface, network, database, and real-time controls. This emphasis on standards enables our customers to maximize compatibility with their existing workstation and server components.

The TransSuite Family

TransSuite TMS is part of our family of transportation management software products. The user interface is consistent and intuitive across the entire product family, and the Windows®-based interface will be familiar even to novice users because the interface employs Windows standards for drag and drop, ToolTip information, and context-sensitive device menus. Each workstation can access all system functions with customized security levels for each user.

TransSuite TMS provides multiple management strategies that can be used to offer an extremely flexible user interface that displays real-time graphical information for all system components. The interface also integrates with the control interfaces to facilitate system navigation and management. An optional GIS-based dynamic map interface with full ESRI support is available. The interface also includes an optional schematic graphics display tool that allows customized displays of your data on a backdrop of compatible image files, including maps, schematics, CAD drawings and aerial photos.

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