

Timing ATMS Travel Time Module

Module Overview

The Centracs[®] Travel Time module interfaces with Bluetooth-enabled systems to provide real-time accurate, automated, and anonymous travel time and speed measurements of traffic. Centracs Travel Time also offers historic speed and travel time reports that provides users with data that can be used to compare speed and time data across multiple time periods.

How the Centracs Travel Time Module Works

These days, most travelers carry Bluetooth-enabled cell phones, and many vehicles are equipped with Bluetooth interfaces. Vehicles carrying Bluetooth-enabled devices in the vicinity of a Bluetooth transceiver will be captured using an anonymous identification device number known as a MAC address, and immediately reported to a third-party traffic data cyber center.



Key Features

- *Real-time updating and rendering of travel times and speeds on Centracs GIS-based map*
- *Historic speed and travel time report generation*
- *Automatic recognition of new Bluetooth devices*

As Bluetooth-enabled devices pass by transceivers placed at multiple roadside locations, the travel time and average speed are easily determined along those roadways. The data flowing from the Bluetooth devices are processed at the third-party traffic servers, then correlated and filtered to provide extremely accurate travel time and speed between various Bluetooth Origin and Destination (O/D) routes.

Benefits to Transportation Agencies and the Traveling Public

The Centrac's Travel Time module provides roadway segment speed and travel time data measured in real time. The data can be used to optimize traffic flows or to minimize anticipated delays. Users can see real-time colored travel time or speed level updates on the Centrac's system map. This enables transportation agencies and DOTs to proactively monitor and respond to travel time information.

The Centrac's Travel Time module also helps transportation agencies and DOTs proactively monitor the effectiveness of congestion relief strategies to optimize traffic flows and minimize anticipated delays. This means more efficient roadways and shorter and safer commutes for the traveling public.



Travel Time Graph

Centrac's Plus Third-Party Traffic Data Providers

The Centrac's Travel Time module allows Centrac's to subscribe to Bluetooth travel time and speed data from third-party providers. Centrac's can provide both historical, as well as real-time speed and travel time information to Centrac's users. At a glance, users can see real-time colored travel time/speed level updates on the Centrac's system map. This allows users to view, monitor and act on travel time information. Tool tips on the map also provide detailed road segment updates on travel times.

System Requirements

Contact your local Econolite Account Manager or Distributor for specific third-party Bluetooth data providers.



Learn more
about additional
Centrac's capabilities



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