iteris®

Vantage Velocity®
Bluetooth or Wi-Fi based travel time calculation and performance measurement system

Benefits of the Vantage Velocity System

Immediate access to real-time speed and travel time information

Historical data for planning purposes

Simple installation

Fast, easy, accurate travel time capture

Vantage Velocity® takes advantage of the large number of vehicle that are driving with Bluetooth or Wi-Fi enabled devices such as smart phones. Each Velocity reader senses a devices unique "MAC" address as they pass a reader station and transmits the time and location of the device to a central host system. As devices are detected at successive Velocity readers, the Host System calculates average travel times and speeds for a roadway segment. The device specific network address of an individual is totally anonymous.

Simple to install and set up

Field installation is simple; the system can be easily rack or shelf mounted inside a traffic signal cabinet, or as a standalone unit. Various communication methods are available to transmit data to the Host system.

Vantage Velocity®

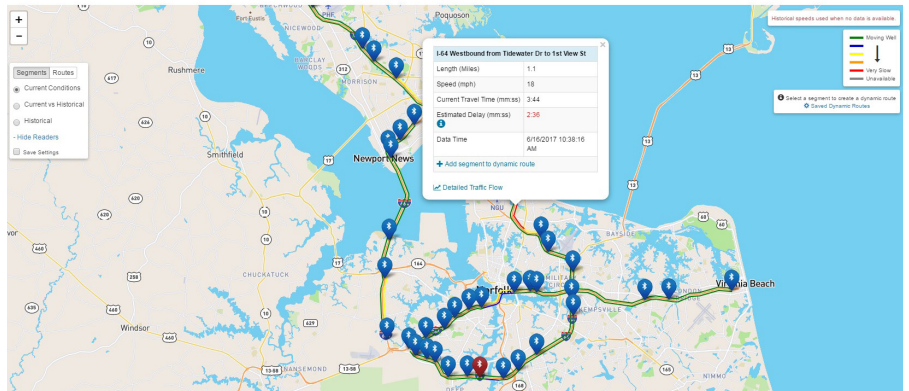Bluetooth or Wi-Fi based travel time calculation and performance measurement system

More Benefits

- Real-time data for traffic operations
- High accuracy, simple integration
- Agency owns all data
- Collect either bluetooth or Wi-Fi devices

SPECIFICATIONS

Field Unit

Processor	500MHz ARM9
Processing Method	Asynchronous multi-thread read
Measured Item	Bluetooth MAC address in
	hexadecimal 00:00:00:00:00 format
Timestamp	To nearest I second
Memory	I28MB DDR-RAM
	5I2MB NAND Flash, high-speed (I7MB/s)
	2 SD sockets (I micro-SD, I full-size SD)
I/O	2 SATA ports
	2 USB 2.0 480Mbps host/slave ports
	I RS-232 Port
	Gigabit Ethernet, I0/I00/I000 speeds
Power Consumption	3.5 watts normal, 5.0 watts maximum
Supply Voltage	9-28 VDC
Temperature	-34°C to +74°C
MTBF	Greater than I00,000 hours
Dimensions	5.25" x 4.5" x 2.5" (h*w*d)

Weight	I.0 lbs (0.45 kg)
Bluetooth Antenna	Bluetooth 2.0+EDR Class I
	Multiband Antenna (Cellular and Bluetooth integrated)
Detectable Area	Up to 300 feet (I00 meters)
Approvals	FCC Class A
Warranty	3 year limited warranty
	Manufactured in USA

Host Software Server Requirements

MS Windows XP/7Pro

.NET Framework 3.5 or higher

IIS 6.0 or 7.0

Internet connectivity required for congestion map functionality

Wired or wireless Ethernet connectivity to field unit required

TÜV CERT
ISO 9001:2008

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