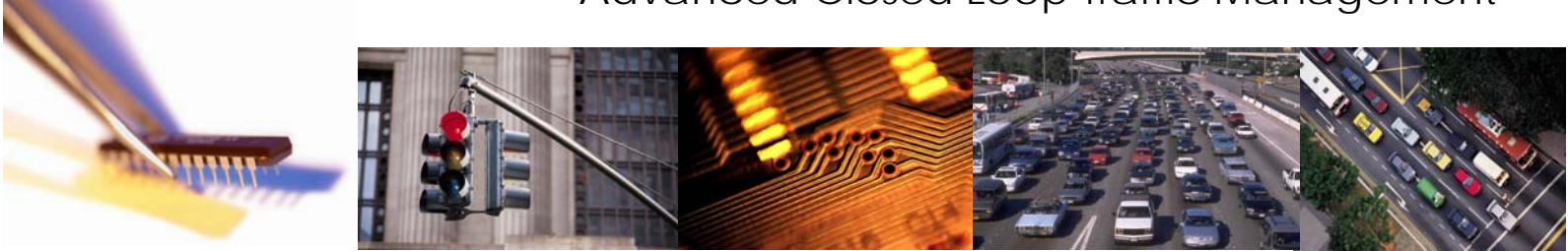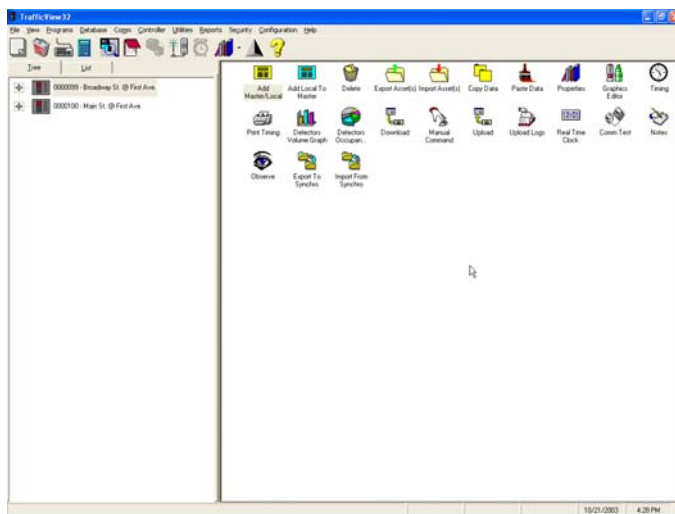# TRAFFIC VIEW32

Advanced Closed Loop Traffic Management
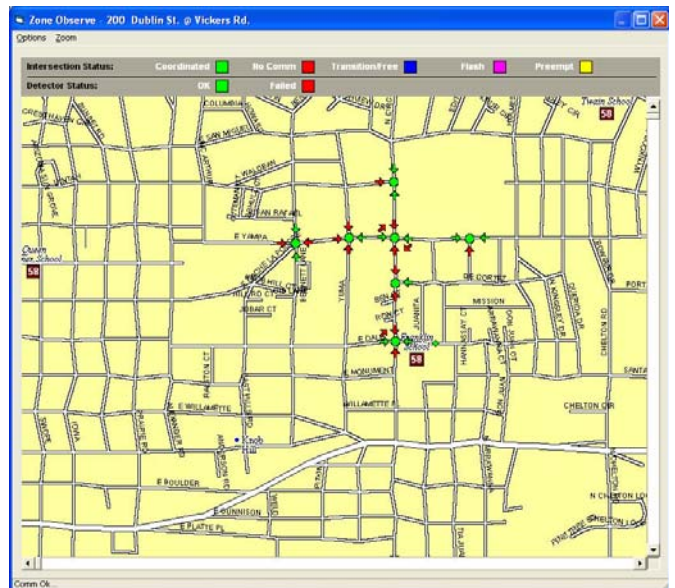

DESCRIPTION

ADVANCED TRAFFIC MANAGEMENT SOFTWARE—
TrafficView32 is a 32-bit Windows application designed to provide sophisticated closed-loop traffic management functions. It is written in a high-level development language to take full advantage of Microsoft's latest operations systems. TrafficView32 has been developed to support 170 controllers running the latest versions of Wapiti Microsystems Corp.'s master and local software programs. The software is capable of running in stand-alone mode on a single workstation or laptop and in a client-server mode across a network. It is compatible with all Windows operating systems from Windows 95 and above.

The **EASY TO USE** interface is designed to meet the latest Microsoft Windows design standards. Drop-down menus and toolbars provide quick access to all features and functions. An explorer-style interface provides a user friendly representation of the traffic signal system architecture. Pre-defined reports provide information on all aspects of the system. Custom filters may be applied to most reports so that only the data of interest is displayed. TrafficView32 uses Crystal Reports, an off-the-shelf report generator.

CUSTOM REPORTS may be defined by the end user and added to TrafficView32's report menu. Reports may be exported to a wide variety of popular formats, including Microsoft Word, Microsoft Excel, Microsoft Access, comma-delimited text files and comma separated values.

Microsoft Access 2000 is the database used by TrafficView32. The database is used to store timing data, graphics and all log data. Backup and restore functions are provided by TrafficView32. Database replication is also supported. This feature allows workstations to synchronize with a master database. The workstation or notebook may then be disconnected from the network. Any changes made to the database while in disconnected mode are tracked by the system. When the work station is reconnected to the network, the data is synchronized with the master database. This method provides **MAXIMUM FLEXIBILITY** while maintaining database integrity.

TV32—Advanced Traffic Management

FEATURES

- TrafficView32 provides all of the standard closed-loop functionality, including spreadsheet style data entry, upload, download and compare of timing, real-time displays and log data uploads.

- TrafficView32 supports a **MULTI-LEVEL SE-CURITY SYSTEM**, including administrators, read/write users and read-only users. All system and user activities may be logged by TrafficView32.

- TrafficView32 has a **SOPHISTICATED SCHED-ULER** that can support as many scheduled events as can be programmed within a twenty-four hour period. Events may be scheduled by day-of-week, weekly, monthly or annually. The scheduler also supports group scheduling. Events may include upload and download of timing, upload of log data and broadcast of system time.

- **ALARM MONITORING** is also supported by TrafficView32. Alarms are initiated by the on-street masters and are received and logged by TrafficView32. Operators are also provided visual indicators that an alarm has been received. All alarm conditions defined by Wapiti Microsystems Corp. are supported.

- TrafficView32 also has **PAGING CAPABILITIES**. When alarms are received from on-street masters, TrafficView32 can be configured to send the alarm data to a pager in addition to logging the alarm. Standard digital paging as well as internet-based paging is supported.

- TrafficView32 provides support for Microsoft TAPI. This application programming interface helps to **ELIMINATE MODEM CONFIGURATION** issues that were common in the past. It also provides support for network modem pools.

- TrafficView32 supports both **DIRECT AND DIAL-UP CONNECTIONS**. Supported communications includes twisted-pair, fiber optics, radios, CDPD, or any combination of the above. Support has been added for future IP addressing. TrafficView32 also supports multiple phone numbers and multiple communication port profiles. All baud rates supported by the 170 controller are supported and are selectable on a per intersection basis.

- TrafficView32 has been designed using object-oriented technologies that provide for ease of maintenance, updates and expandability.

- TrafficView32 will run on any Pentium-based computer with 32M of RAM, 1024X768 screen resolution and at least 50M of available disk space.

- TrafficView32 will **SUPPORT ALL WAPITI SOFTWARE**, including W4IKS, W4HC11, W4-2070, W4-SBC, W4-PC104, W4-PC104E, W7OSM, W7HC11, W7-2070, W7-SBC, W7-PC104, W7-PC104E, W4-GPS, W7-GPS