

DataView

DataView offers advanced data analysis and reporting, making it easy for planning engineers to load data from a variety of sources, such as DataCollector or PRN files, and then prepare that data for reporting and analysis.

Features

- Imports station data from files or DataCollector in 5-, 15- or 60-minute intervals
- Manages station records from imported TMG file formats
- Allows users to clean, filter, and manually edit station data for publication
- Supports over 20 report templates for publishing data in report form
- Web interface allows access to service through local web browser and requires no other software installation



CMD DataView

View Stations and Status
DataView: Stations

[Add Stations](#)
[Edit Stations](#)
[Remove Stations](#)
[Import Stations](#)
[Export Stations](#)
[Station Groups](#)
[Factor Groups](#)
[Routes](#)
[Help](#)

Display Settings Start Date: 12/20/2008 End Date: 1/20/2009 Interval: Hour Imported: Any Groups: All Direction: Any

<input type="checkbox"/>	Station ID	Direction	Description	Group	% Imported
<input type="checkbox"/>	60cmd	N	60cmd	stationgrp1,stationgrp5	99%
<input type="checkbox"/>	15cmd	S	15cmd	stationgrp2,stationgrp5	100%
<input type="checkbox"/>	5cmd	E	5cmd	stationgrp3,stationgrp5	100%
<input type="checkbox"/>	Live	W	Livcmd	stationgrp5	100%
<input type="checkbox"/>	test	N	test	stationgrp5	100%
<input type="checkbox"/>	TMG	NE	1228768488		99%

Technical Specifications

Station Management

- Supports any number of station records, with individual properties
- Allows new station properties can be added quickly to support user needs
- Supports import of station records from XML, TMG or CSV file format
- Supports export of station records into XML, TMG or CSV file format
- Stations can be assigned to one or more named station groups, allowing stations to be categorized for ease of use
- Stations can be assigned to routes in sequential order with designated distances for use in special route-based reports

Data Management

- Station data can be imported from TMG or PRN file formats
- Station data can also be imported from one or more local or networked DataCollectors
- Stations can be assigned to individual lanes from a DataCollector sensor for easy data import
- Supports data aggregations of 5, 15, or 60 minutes
- Data can be exported in TMG or XML format, including volume, speed, occupancy, and vehicle class data

Data Filtering and Editing

- Filter system can analyze station data for various criteria, such as repeated values, missing data, data values larger or smaller than given thresholds
- Filter system can flag data that meets filter criteria and/or automatically edit data values according to user preference
- Data values can be manually edited by user; edited data can be reverted back to original data values at any time
- Data values for a station can be directly compared to alternate data from another station or from another date

Publishing / Reporting

- Published data system allows system data to be published to database, using named published data sources
- Users can run custom reports based on published station data
- Reports are viewable through the web interface or in the following formats:
 - TIFF
 - PDF
 - Rich Text
 - Web Archive
 - Excel
 - CSV
- System supports customizable report templates that cover a variety of state and federal reports

Ordering Information

Part Number — WX-CMD-DV

Recommended Accessories

- DataCollector — WX-CMD-DCxx

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Statistics

- Users can view annual and monthly volume averages (AADT/MADT) for all stations
- AADT/MADT values can be automatically calculated for any station using existing data
- Users can manually add previously calculated AADT/MADT records for any station for storage in system
- Stations with small amounts of data can be assigned to factor groups to allow estimates of AADT/MADT statistics based on data from similar stations

Web-based Interface

- Interface: web-based and accessible to any user with a web browser and a network connection
- Options available through interface include:
 - Add or import stations
 - Modify or delete existing stations
 - Import data from DataCollector
 - Upload and import data from data files
 - Run data filters on station data
 - Manually edit station data
 - Compare station data with data from other day or station
 - Publish data to database
 - Merge old and new data within published data with same timestamps
 - Create data reports from station data using a variety of template options
 - Add, remove or modify users and change user privileges
- Interface accessed through user name and password. User logins can have different levels of permissions for different levels of access to functionality

Hardware Specifications

- Server: quad-core Xeon processor or equivalent
- Operating system: Windows 2003 Server or newer
- Memory: minimum 4 GB of SDRAM
- Hard drives:
 - Three or more
 - At least 72 GB each
 - RAID 5 fault tolerant
 - Hot-swappable
- Dual power supplies
- Networking: dual 1000 Mbps Ethernet network card or better
- Included software:
 - Firewall software for security
 - Remote management software for remote maintenance and upgrades
- CD-ROM drive: 24X or better
- Not included: monitor, keyboard or mouse

Testing

- Burn-in testing for each unit
- Test period: not less than 1 week
- Testing standard: service is able to run consistently over the testing period with a representative workload
- Testing documentation provided upon request, showing the performance results over the testing period

Support

- Delivered with 90 days of Gold Support as standard, effective after customer acceptance of the contracted system:
 - 30 hours prepaid phone technical support, same day guaranteed response
 - 2 days prepaid on-site technical support
 - Next business day on-site hardware service
 - Includes bug fixes, minor application updates, version updates, and software operation system updates
- Extended and/or upgraded support packages are available for purchase

DataView Bid Specification

1.0 General. This item shall govern the furnishing and installation of a traffic data reporting subsystem (TDRS) which provides traffic performance reports and analysis as required for Federal Highway reporting requirements as shown in the plans, as detailed in the special specifications and as directed by the engineer. All equipment and component parts furnished shall be new, be of the latest proven design and manufacture, and be in an operable condition at the time of delivery and installation. All parts shall be of high quality workmanship. All equipment shall include all licenses, where required, for any software or hardware in the system.

2.0 Product Description. The TDRS shall be a server-based traffic data reporting subsystem. This system shall be an off-the-shelf advanced traffic management subsystem appliance that enables DOT planning departments to satisfy Federal Highway reporting requirements, as well as other reporting and analysis function as required. The TDRS shall be able to import traffic data from commonly used formats. Users shall be able to manipulate and correct the imported data. All changes to the data shall be tracked so the user can see what changes have been made. The TDRS shall export the data and reports for storage and distribution.

3.0 Station Management. The TDRS shall support any number of station records, with individual properties for each.

The TDRS shall allow new station properties to be added quickly to support user needs.

The TDRS shall allow for the importation of station records from XML or TMG format.

The TDRS shall allow for the exportation of station records into XML, TMG, or CSV file format.

The TDRS shall enable users to assign stations to one or more named station groups, allowing stations to be categorized for ease of use.

The TDRS shall enable users to assign stations to routes in sequential order with designated distances for use in special route-based reports.

4.0 Data Management. The TDRS shall be able to import station data from TMG or PRN file formats.

The TDRS shall be able to import station data from one or more local or networked DataCollectors.

The TDRS shall enable users to assign stations to individual lanes from a DataCollector sensor for easy data import.

The TDRS shall support data aggregations of 5, 15, or 60 minutes.

The TDRS shall be capable of exporting data in TMG or XML format, including volume, speed, occupancy, and vehicle class data.

5.0 Data Filtering and Editing. The TDRS shall have a filter system that can analyze station data for various criteria, such as repeated values, missing data, data values larger or smaller than given thresholds.

The TDRS filter system shall be able to flag data that meets filter criteria and/or automatically edit data values according to user preference.

The TDRS shall enable users to manually edit data values; this edited data shall be able to be reverted back to original data values at any time.

The TDRS shall be able to directly compare data values for a station to alternate data from another station or from another date.

6.0 Publishing and Reporting. The TDRS shall feature a published data system that allows system data to be published to a database, using named published data sources.

The TDRS shall enable users to run custom reports based on published station data. These reports shall be viewable through the web interface and in the following formats:

- TIFF
- PDF
- Rich Text
- Web Archive
- Excel
- CSV

The TDRS shall support customizable report templates that cover a variety of state and federal reports.

7.0 Statistics. The TDRS shall enable users to view annual and monthly volume averages (AADT/MADT) for all stations.

The TDRS shall be capable of automatically calculating AADT/MADT values for any station using existing data.

The TDRS shall enable users to manually add previously calculated AADT/MADT records for any station for storage in system.

The TDRS shall enable users to assign stations with small amounts of data to factor groups to allow estimates of AADT/MADT statistics based on data from similar stations.

8.0 Web-based Interface. The TDCS shall provide a Web-based interface, accessible to any user with a Web browser and a network connection.

The Web interface will allow the user to add or import stations, modify or delete existing stations, import data from a data collection system, upload and import data from data files, run data filters on station data, manually edit station data, compare station data with data from other day or station, publish data to database, merge old and new data within published data with same timestamps, and create data reports from station data using a variety of template options.

The TDRS Web interface shall be accessed by a user name/password combination, allowing users with varying levels of privileges to access some or all of the functionality of the TDRS. The Web interface will also allow users to be added or subtracted from the system, or modified to have different permissions.

9.0 Hardware Specifications. The TDRS hardware shall consist of a server with a quad-core Xeon processor (or equivalent), Windows 2003 Server operating system (or newer), a minimum of 4 GB of SDRAM memory, an array of three or more RAID 5 fault tolerant, hot-swappable, hard drives of no less than 72 GB each, dual power supplies and a dual 1000 Mbps Ethernet network card or better.

The TDRS shall also be provided with firewall software for security, and remote management software for remote maintenance and upgrades.

The TDRS hardware shall not include a monitor, keyboard, or mouse, but will include a 24X or better CD-ROM drive. The server will also include a minimum two-year, next business day on-site maintenance warranty.

10.0 Testing. Before shipping, each TDMS unit shall have a burn-in test period of not less than one week.

The testing standard for the TDMS shall be that the service is able to run consistently over the testing period with a representative workload.

Testing documentation shall be provided showing the results from the TDMS test over the testing period upon request.

12.0 Support. The TDRS shall be warranted with 90 days of support, defined as follows:

- 30 hours prepaid phone technical support, same day guaranteed response

- Two days prepaid on-site technical support
- Next business day on-site hardware service
- Included bug fixes, minor application updates, version updates, and software operation system updates

Extended and/or upgraded support packages shall be available for purchase.