

## CHANGE IN CADD SUPPORT FOR STRUCTURE AND BRIDGE

### Welcome Aboard To John S. Halsey, Jr.

John Halsey has joined our staff in the Location and Design CADD Support Section. With the consolidation of services, the CADD Support Section will be providing CADD Software Support to the Structure and Bridge Division. In order to provide customer service we ask that all requests for CADD assistance be directed through the L&D Helpdesk or e-mail CO Location and Design Helpdesk. With the enhanced support capabilities available because of the merger of the two groups, we look forward to serving you in the most efficient manner possible.

### COMING SOON

#### New 2008 CADD Manual Format

The CADD Support Section, formerly Automated Engineering Services (AES), has undertaken the task of revising and updating the CADD Manual with the help of a committee made up of VDOT Engineers and Technicians that are experts in their field. They have been assigned specific chapters to review and update. At the end of this review process, the committee will compile the revised chapters and appendices into the new manual. We hope to have it online by early 2008 in an Adobe PDF format, complete with bookmarks, links and printer friendly. The revisions will cover the following disciplines: Roadway Design, Bridge, Survey, Traffic, Environmental, Hydraulics, Right of Way and Public Hearing. The electronic version of the CADD Manual is intended to be a valuable asset and will be used on-line by our internal and external customers. Future revisions will be handled in a timely manner and easy to identify.

In an effort to produce and give VDOT employees and our Consultants the best CADD Manual possible, we are soliciting your help. We find the "Users" input invaluable. Please e-mail any ideas, comments, suggestions, or corrections you may have regarding the CADD Manual to Aufait W. Frazier at [aw.frazier@VDOT.virginia.gov](mailto:aw.frazier@VDOT.virginia.gov).

### MICROSTATION V7 AND IGRDS

#### CONVERSION TO V8 & GEOPAK

IGrds and MicroStation V7 will be removed from all VDOT computers beginning August, 2007. All projects advertised after July must utilize GEOPAK as stated in IIM-LD-232. Please contact the Central Office CADD Support Section helpdesk with questions.

### INSERTABLE SHEETS V8

The imperial and metric insertable sheets in falcon DMS have been converted to MicroStation V8. While insertable sheets are no longer available in MicroStation V7 format, the V8 files can be converted back to V7 by simply opening the file and saving it as a MicroStation V7 formatted file with a different filename.

### CADD SUPPORT SECTION

THE CADD SUPPORT SECTION IS RESPONSIBLE FOR PROVIDING TECHNICAL SUPPORT FOR CADD SOFTWARE TO ALL LOCATION & DESIGN PERSONNEL, AS WELL AS OTHER DIVISIONS, CONSULTANTS AND CONTRACTORS. THIS SECTION PROVIDES ASSISTANCE WITH ELECTRONIC MANUALS AND UPDATES TO INTERNAL AND EXTERNAL WEBSITES. WE ALSO COORDINATE THE TRAINING OF TRANSPORT PES, MICROSTATION AND GEOPAK.

#### CADD STAFF

JEFF WYATT - CADD Manager

SAM PERKINS - CADD Support Team Leader (GEOPAK, Plotting)  
WILBERT LAMBERT - CADD Support Team Leader (GEOPAK, MicroStation)  
VALLARIE GRAY - CADD Support Team Leader (Web, Manuals)

VICKY COLE - CADD Support Specialist (Falcon)

JOHN S. HALSEY, JR. - CADD Support Specialist – Bridge Support

THERESA WILSON - CADD Support Specialist (TRNS•PORT, Training)

LAWRENCE LEED - CADD Support Specialist (Falcon, Licenses)

WENDY CLINGER - Application Analyst (Manuals)

AUFAIT FRAZIER - Application Analyst (Visio)

JEFF FREEZE - Application Analyst (Databases)

BONNIE TRENT - Application Analyst (Web)

VICKIE GULLET - Application Analyst (Falcon Access)

#### IN THIS ISSUE:

- New CADD Manual Format
- Conversion To V8
- Training Schedule
- Tips and Tricks
- GEOPAK Tip
- Falcon Web Suite
- MicroStation Tip
- In the Spotlight
- Manuals & Guides
- Helpdesk Numbers
- Get Involved

## MANUALS & GUIDES

<http://www.virginiadot.org/business/manuals-default.asp>

## CADD SUPPORT HELPDESK NUMBERS

(804) 786-1280  
1(888) 683-0345

VDOT customers that are having problems with CADD software products (MicroStation, Falcon, GEOPAK, IGrds, Caice, eQuorum, Plotting, etc.) call CADD Support Helpdesk at (804) 786-1280 or e-mail at [colndhelpdesk@vdot.virginia.gov](mailto:colndhelpdesk@vdot.virginia.gov).

Consultants and VDOT staff can also call Bentley Systems directly with GEOPAK problems at 1(888) 436-7251.

## GET INVOLVED

### Submit Your Suggestions & Comments

Get involved - Be the next **In The Spotlight**. We welcome all comments and responses.

E-mail:  
[Wendy.Clinger@vdot.Virginia.gov](mailto:Wendy.Clinger@vdot.Virginia.gov)  
[Vallarie.Gray@vdot.Virginia.gov](mailto:Vallarie.Gray@vdot.Virginia.gov)



Location and Design

## 2007 TRAINING SCHEDULE

The CADD Support section is responsible for training in the following applications – Basic MicroStation V8, GEOPAK Road, Survey, Drainage and TRNS•PORT PES. This training is available free of charge to all persons required to use these applications while doing business with VDOT. Register for a class by using the link below.

<http://www.extranet.vdot.state.va.us/locdes/training/schedule/aesschedule.htm>

It should be noted that the dynamics of some of the classes have changed since outside sources are conducting/teaching the MicroStation and GEOPAK classes.

\* **Effective July 2007 - unless otherwise stated, all CADD training will be conducted at J. Sargeant Reynolds Community College Downtown Campus.**

## TRNS•PORT PES - NGT (Next Generation Transport)

Look for changes in TRNS•PORT in the Fall of 2008. TRNS•PORT will become a totally web based application.

A dedicated group of employees from VDOT is currently working closely with InfoTech and other users nationwide to develop and migrate the Client Server version of TRNS•PORT to a web version.

## FALCON WEB SUITE

### Reminder

When filling in the database information in Falcon, remember that sheet numbers 1 thru 9 should have a zero in front of the sheet numbers. (01a, 02b01, etc.) All route numbers should be four digits long. ( U000, 0123, 6123, etc.) Location & Design should never fill in the Struct/Bridge Plan #. When archiving, always archive the reference files too.

## MICROSTATION TIP

### Creating Alignment Data Sheet

A seed file has been created for the alignment data sheets and placed on the server.

Create an alignment data sheet using Falcon:

1. Create new sheet using this seed file. (**alignmentdata.dgn**)
2. Import your text file.
3. From the Edit menu, choose Find/Replace Text.
4. Find/Replace \* with ^.



## TIPS & TRICKS

### Did You Know That You Have a Personal Site on the Web?



My Site is your personal starting point for viewing and contributing to your organization's intranet through the portal site. It provides a place to save and share your work, a way to find and connect with other people in your organization and see their work, and a way to customize how other people in your organization see your work. To view My Site, click **My Site** on the navigation bar of the portal site <http://insidevdot/default.aspx>. **(This is an internal link.)**

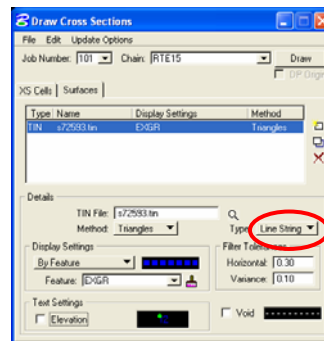


## GEOPAK TIP

### REVISION TO EXTRACTING ORIGINAL GROUND CROSS SECTION

It has been brought to our attention that the best option to use for extracting original ground cross sections would be to draw the original ground as line strings. The reason for this change is it helps in the process of computing earthwork.

Example:



## IN THE SPOTLIGHT CENTRAL OFFICE



### Technical Sections

The Central Office L&D Design & Special Projects section holds a technical training session each month to provide an opportunity for Project Managers, Design Engineers and Technicians to develop their knowledge of design and construction practices. Each month we try to focus on a different topic or section of VDOT. During the two hour sessions (10:00-noon) the invited member of a group gives a presentation discussing a general overview of their function; how it relates to or impacts roadway design and roadway construction. The districts are invited to join via videoconference. An updated schedule and past technical presentations can be viewed through (L&D) VDOT portal using the following link: <http://insidevdot/Design/default.aspx>. **(This is an internal link.)** If you are interested in seeing or presenting a particular technical session, please notify the CO Constructability Section. (**Wayne R. Towns**)