

VIRGINIA DEPARTMENT OF TRANSPORTATION

# LOCATION AND DESIGN DIVISION

## INSTRUCTIONAL AND INFORMATIONAL MEMORANDUM

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| GENERAL SUBJECT:<br>IGRDS PHASE OUT   | NUMBER:<br>IIM-LD-232.1  |
| SPECIFIC SUBJECT:<br><br>PHASE OUT AND CONVERSION OF<br>IGRDS SURVEY / DESIGN | DATE:<br>MARCH 27, 2007  |
|   | SUPERSEDES:<br>IIM-LD-232  |
| DIVISION ADMINISTRATOR APPROVAL:  | Mohammad Mirshahi, P.E.<br>State Location and Design Engineer<br>Approved March 27, 2007 |

Changes have been shaded.

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### CURRENT REVISION

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- All projects advertised after **July 2007** must utilize **GEOPAK**.
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### IGRDS PHASE OUT

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- AASHTO no longer supports the IGrds design software package. Therefore, VDOT is phasing out IGrds.
  - The GEOPAK design package became fully operational in January 2004 and is to be utilized in accordance with this memorandum. It will be the responsibility of the roadway designer to convert applicable projects from IGrds to GEOPAK.
  - The Project Manager will advise appropriate project team members the design software package that will be utilized for each applicable project. It may be advisable to conduct a team meeting to discuss the impacts of conversion on project schedules and budgets.
  - IGrds and MicroStation J will be removed from all VDOT PCs beginning August 2007.

- Projects with unscheduled advertisement dates, or long-range schedules, should be set up in GEOPAK and the Horizontal and Vertical Alignment imported.
  - Any deviation from this policy must be approved by the State Location and Design Engineer and documented on the CADD Support Section's "IG Project Spreadsheet".
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#### ALL PROJECTS SCHEDULED FOR ADVERTISEMENT AFTER **JULY 2007**

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- All projects advertised after **July 2007** shall utilize GEOPAK.
  - All designs utilizing IGrds shall be converted to GEOPAK.
  - All DTM's utilizing CAiCE shall be converted to a GEOPAK "tin" file.
  - Projects that can not be converted from IGrds to GEOPAK will be advertised with MicroStation files only. (This must be noted on the project title sheet)
    - The following note shall be shown in the upper left corner of the Title Sheet:  
**THIS PROJECT WAS DEVELOPED UTILIZING THE DEPARTMENTS INTERACTIVE GRAPHIC ROADWAY DESIGN SYSTEM (IGRDS). HOWEVER, THIS PROJECT WAS ADVERTISED WITH MICROSTATION FILES ONLY.**
  - For projects advertised with Microstation files only, if the design of the project has not changed and the IGrds Reports are accurate, they can be provided if available.
  - Revisions on previously advertised projects utilizing IGrds shall be submitted as MicroStation files only.
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#### PROJECTS ADVERTISED **JULY 2007 AND BEFORE**

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- Existing designs may remain in IGrds.
- DTM's must be in 3D Microstation file format.