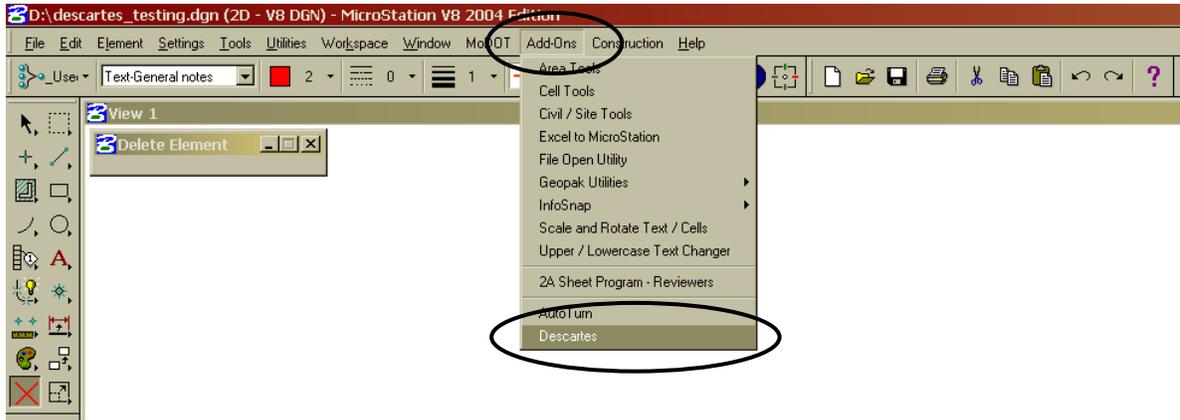


## 1.0 Loading and Starting Bentley Descartes

The first step in using Descartes is to open a MicroStation drawing through ProjectWise .

Left click on the Add-Ons pull down menu just under the MicroStation V8 banner across the top of the screen.



After selecting the Add-Ons pull down click the Descartes option at the bottom of the pull down.

This will bring up the Descartes tool bar.



Loads Descartes

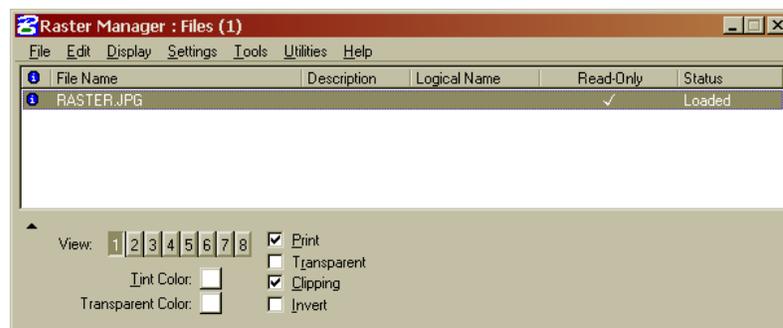


Unloads Descartes



Descartes Plotting

Clicking the Load Descartes icon from the Descartes tool bar will bring up the Raster Manager.



## 1.1 Image Selection Set Support

In previous version of Bentley Descartes, many functions were dependent on the image in focus or on the active image. This concept is no longer existent in the present version, as the functions now use the selected (highlighted) image(s) in Raster Manager. It is therefore possible to have more than one image selected at once, such that Bentley Descartes now adds image selection set support to Raster Manager. Several Bentley Descartes operations were enhanced to allow multiple images to be processed simultaneously.

The list of tools that support image selection follows:

Modify Image	Move	Scale	Rotate
Mirror	Square	Warp	Merge
Corridor	Clip	Unclip	Modify Clip
Paint	Erase	Cleanup	Register
Convert Text	Convert Cells	Undo/Redo	



Note that Image Selection Set is an additional feature only available when Bentley Descartes is loaded and running and not available with the Raster Manager alone.



Bentley Descartes has been designed to seamlessly integrate into the MicroStation environment. Therefore, you will find that all tool boxes, menus, dialog boxes, and other interface operations are consistent with MicroStation conventions.

## 1.2 Descartes Main Menu

The main menu of Bentley Descartes is in fact the main Raster Manager dialog box. The structure of this menu is detailed in “Raster Manager Menu Structure”.

The menu items of each Raster Manager menu are explained in the section titled Navigating Bentley Descartes.

### The Descartes Dialogs

Because Bentley Descartes relies on Raster Manager to access images, Bentley Descartes uses the Raster Manager dialog to display its menus. The table below displays the Raster Manager menu when Bentley Descartes is loaded.

File	Edit	Display	Settings	Tools	Utilities	Help
Attach...	Modify	References	Attachment...	Raster ▶	Color Compression...	Contents
Detach	Move	Bring To Front	Descartes Attachment...	Color Mask	Color Mask...	About Descartes
Detach All	Scale	Send To Back	Update Sequence...	Copy/Paste	Register...	
Reload	Rotate	Bring Forward	Raster Snap On Tentative...	Mosaic	Resampling...	
Save As...	Mirror	Send Backward	Stamp Vector...	Node File		
Project ▶	Warp	Fit Rasters To View	Image Servers...	Register		
Batch Convert	Square	Fit All Rasters To View		Stamp Vector		
	Merge/Crop	Actual Resolution (1:1)		Text/Cells		
	Corridor	Align View to Raster		Touch-up		
	Clip			Vectorize		
	Unclip					
	Modify Clip					
	Cut					
	Copy					
	Paste					
	Color Table...					

The items highlighted in yellow are the ones added to the Raster Manager dialog. The items highlighted in blue represent Raster Manager tools to which Bentley Descartes adds more functionality.

### 1.3 Tool Frames and Tool Boxes

All of the functionality of Bentley Descartes is also accessible through the tool boxes.

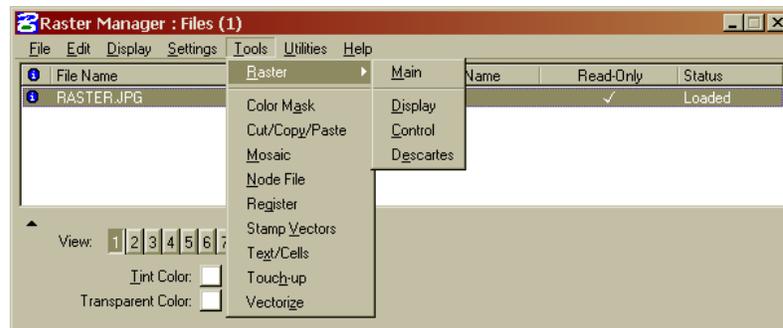
#### Tool Boxes

Each tool box gives access to a few tools of the same family.

All tool boxes can be accessed from the Raster Manager Tools menu, where they are listed in alphabetical order.

#### Tool Frame

The Image tool frame is provided with Bentley Descartes. This tool frame can be accessed through the *MicroStation>Tools>Raster>Descartes* menu. It provides access to all the Bentley Descartes tool boxes.



### 1.4 Managing and Selecting Files

In Bentley Descartes, your project settings and status are managed through a standard file interface. Additionally, several distinct file types that are used as building blocks in your projects are also managed through the same file interface. If you are familiar with the standard file interfaces that are used in MicroStation, you should find the Bentley Descartes file interface easy to use.

In Bentley Descartes, the file interfaces are used to manage the following types of files:

File Type	Extension
Image files	iTIFF, HMR, CIT, COT, RGB, RLE, A, P, JPG, PCX, RS, TGA, TIF, BMP, CAL, RLC, TG4, C29, C30, C31, PNG, ECW, SID
Color Mask file	MSK
Node file	NOD
Register file	RGR
Resampling file	RSP

The file interface is used to create, open, select, and save the various types of files that are used in Bentley Descartes and the usual operations that are supported are New, Attach, Save and Save As.

To support the selection of files, Bentley Descartes provides a simple and standard selection interface. The files listed for selection in the File list box have an extension specific to the file type (for example, MSK is the extension for a Color Mask file). The current directory displays above the Directories list box. You can change any of these selections.