

CrossViewTM 1.1

Requirements

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Minimum Hardware Requirements

- Intel Pentium 800 MHz processor
- 256 MB RAM
- 10 MB disk space

(In essence, any system that can run ESRI's ArcGIS Desktop 9.x software)

Minimum Software Requirements

- Microsoft Windows XP, Windows Vista, Windows 2000, or Windows NT 4.0 with Intel 4.0 Service Pack 6a
- Microsoft Internet Explorer 6.0
- ArcGIS Desktop 9.1, 9.2, or 9.3

Additional Requirements

- CrossView™ must be installed and activated on your PC. Instructions for doing this can be found in the ***Installation Instructions and License Manager Guide*** and in the ***CrossView Quick Start Guide***.
- CrossView only works within an ESRI **ArcGIS 9.3, 9.2, or 9.1 ArcMap** map document **containing at least one appropriate surface dataset**.

Appropriate surface datasets include:

- ESRI GRIDs
 - ESRI TINs
 - USGS DEMs
 - Other single-band raster datasets that typically would be used to contain elevation data and are recognized by ArcGIS as single-band image/raster files, e.g., ERDAS IMAGINE files (.img), TIFFs (.tif), PNG files (.png), and JPEG 2000 files (.jp2).
- CrossView only works with a line element that defines the planimetric course of the cross section in a “source” ArcMap data view.

Note: The line can be either a graphic drawing element within the data view or a line feature in a geospatial data layer that has been added to the data view (i.e., a geodatabase feature class, a shapefile, or an ArcInfo coverage).

CRITICAL:

- *Only individual surface datasets with elevation data that fully encompass the cross section line element are recognized by CrossView for depiction in the output cross section diagram.*
- *The cross section line may not cross areas of “no data” cells within a GRID, nor stray beyond the bounds of a TIN's triangular facets.*

- The ArcMap source data frame and all layers must be in a Projected Coordinate System (PCS).
- The projection, coordinate system, and horizontal (X,Y) units of measure for all surface and point spatial datasets to be incorporated into the output cross-section diagram must be the same, and must match those of the source data frame. The following are exceptions to this rule:
 - GRIDs and other raster surface datasets having a projection, coordinate system, and horizontal units of measure different from those of the source data frame will be projected on-the-fly by CrossView to the source data frame's projection, coordinate system, and horizontal units of measure for the output cross section diagram.
 - If ArcGIS 3D Analyst is enabled, TIN datasets having a projection, coordinate system, and horizontal units of measure different from those of the source data frame will be projected on-the-fly by CrossView to the source data frame's projection, coordinate system, and horizontal units of measure for the output cross section diagram.
- The CrossView toolbar must be added to the ArcMap map document. To add this toolbar:
 - Right-click on any ArcMap toolbar or in any blank area of the toolbar or menu areas. The ArcMap toolbar popup list will display.
 - Select (check) the "CrossView" selection on the toolbar list. The toolbar for CrossView appears in the ArcMap environment.
 - This toolbar contains two icons, and as with all other toolbars in ArcMap, is dockable and can be placed in the ArcMap window wherever it is most convenient.



The dockable, popup CrossView toolbar:



The docked CrossView toolbar:

