DTM Draw Surfaces

Design Manual
Chapter 21
Automation Tools
Instructions
Originally Issued: 06-30-11

Overview

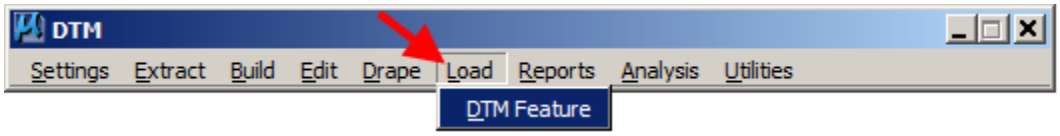
Draw the Digital Terrain Model (DTM) Triangulated surface in a MicroStation graphics file by using the Geopak **Load DTM Features** tool through Geopak **DTM tools**.

Process

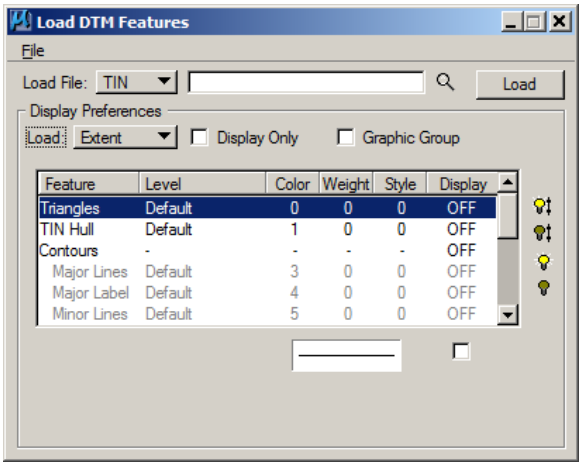
From the MicroStation menu bar, access the **DTM** tool pallet, (shown at the right), through
Applications > Geopak > Road > DTM Tools

From the **DTM** tool pallet, select:
Menu Bar: DTM Menu, as shown at the right

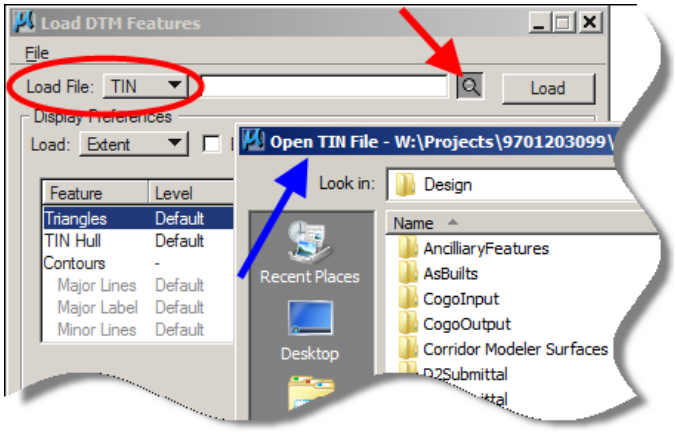
The selection shown above will display the **DTM** menu, as shown below. From this menu, select:
Load > DTM Feature



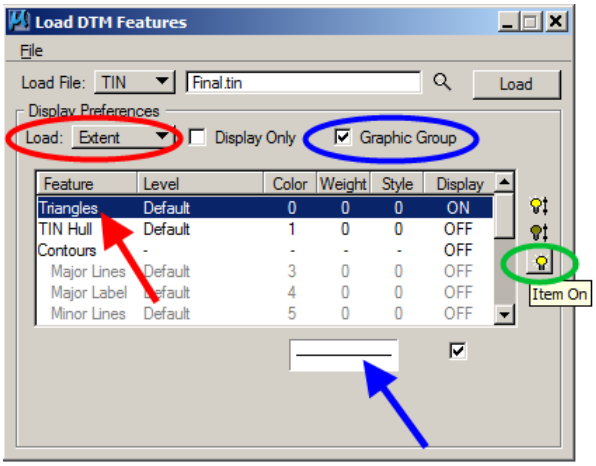
The above command will display the **Load DTM Features** dialog, as shown at the right.



In the **Load DTM Features** dialog, select:
Load File: TIN, (red oval at right), then *click* the browse icon (red arrow) to display the **Open TIN File:** dialog, (blue arrow), then locate the appropriate existing ground ".tin" file. When located, load the file by selecting (highlighting) it, and *clicking* the **Open** button.

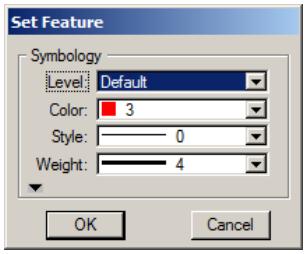


More settings In the **Load DTM Features** dialog:
In the **Display Preferences** area:
Select: **Load: Extent** (red oval)
Check (☑): **Graphic Group** (blue oval)
Select the "**Item On**" light bulb (green oval)
(This will activate the Triangles Feature to the **ON** setting.)
Highlight the **Triangles** feature (red arrow)



Double-Click the "Set Feature" dialog option,
(shown by the blue arrow at the right).

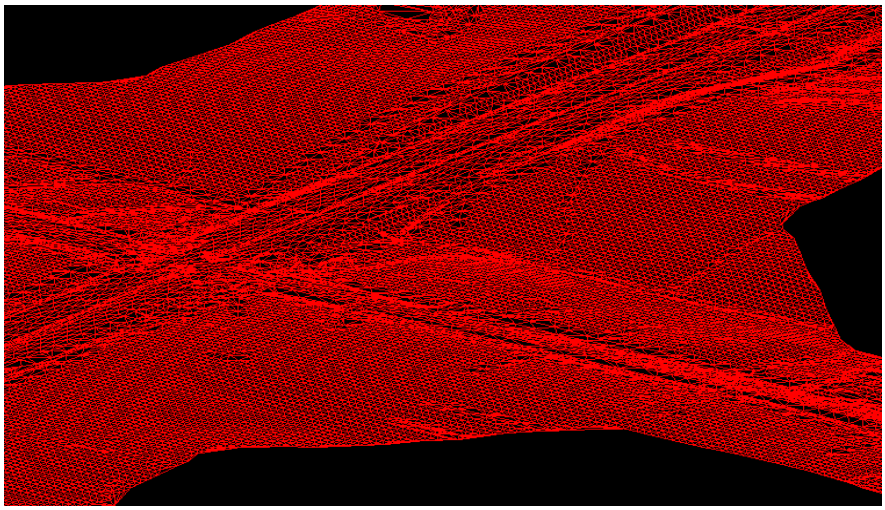
This will open the **Set Feature** dialog and provide the opportunity to set the symbology for the drawn triangles, such as level, color, style, and weight.



Change settings as desired and *click* the **OK** button to activate.

When finished select 'OK' and then select 'Load' in the 'Load DTM Features' dialog box to draw the surface triangles.

The end result may resemble the following graphic:



Chronology of Changes to Design Manual Section:

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6/30/2011	NEW
	New