Exercise 20-1

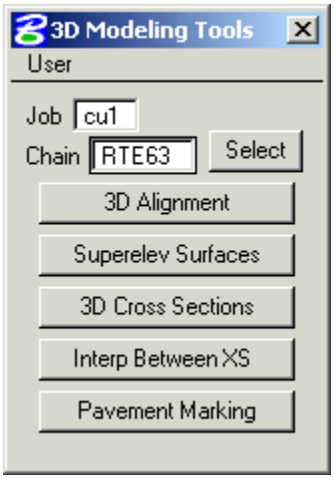
1. Create a new Microstation file. Name the file **rte63_3dmodel.dgn**. Put the file in the directory **t:\de-proj\randolph\j2p0200\data**.

   Use the seed file **t:\standard\wsmod\design\seed_i\i_project_3d.dgn**

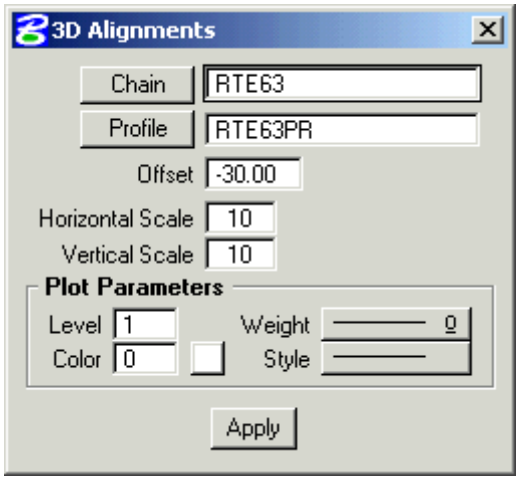
   Set the County Coordinates to District 2, Randolph County.

   Attach **plan_j2p0200.dgn** as a reference file.

2. Choose 3D Models from the Project Manager dialog or from the Geopak Road Tools.



3. From the 3D Modeling Toolbox choose 3D Alignments..



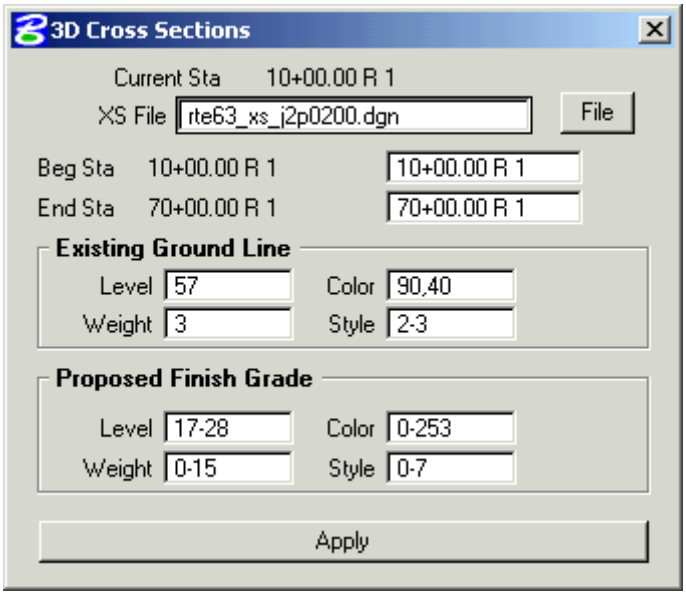
   Be sure the chain **Rte63** and the profile **Rte63pr** are selected. Set the offset to **–30**.

   Select the **Apply** button.

4. Select 3D Cross Sections from the 3D Modeling Toolbox.

   Select the file t:\de-proj\randolph\j2p0200\data\route63_xs_j2p0200.dgn.

   Press the **Apply** button.

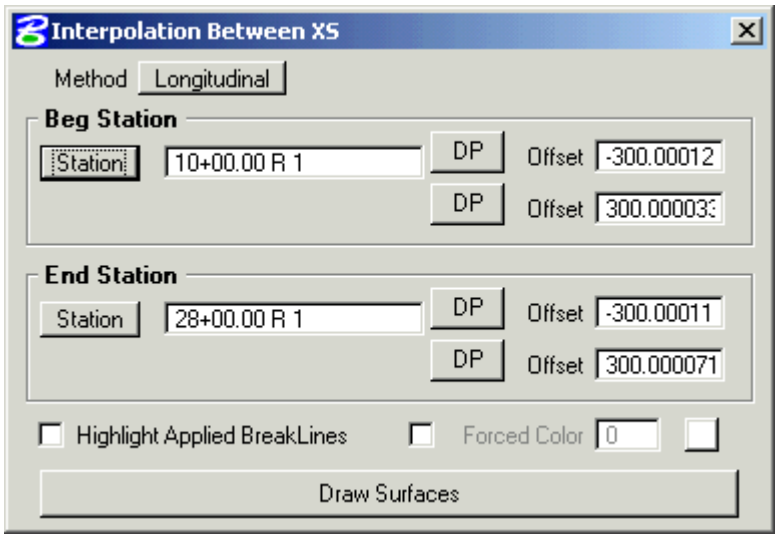


5. Select Interpolation Between Sections from the 3D Modeling Toolbox.

   Use the **Station** buttons to define the **Beg Station** and the **End Station**. Work with approximately 1/3 of the alignment at a time.

   Select the **Draw Surfaces** button.

   Repeat the process until the entire alignment is completed.



6. Select GEOPAK Drive Through from the Geopak Road Tools.

   Set the following:

Job Number	**200**
Chain	**Route63**
Plan View Offset	**34**
Vertical Offset	**20**
Station	**10+00**
Step Increment	**100**
Target Offset	**500**

   Choose Locate Starting Point.

   Press the **Apply** button to move through the model