

Exercise 14-1 Proposed Cross-Sections

Exercise 14-1

1. Open the Microstation file **t:\de-proj\cole\j5p0634\data\xs.dgn**.
2. Choose **Proposed Cross Sections** from the **Project Manager** dialog.
Copy the **MoDOT** run, and select the newly created run.

3. Be sure the following items are set in the given sections of the dialog:

XS DGN File: **xs.dgn**
Pattern: **Use Working Alignment Definition**
Existing Ground: **Use Working Alignment Definition**
Shapes: **Use Working Alignment Definition**

4. In the **Shape Clusters** section of the dialog, choose the scan button, and select the shape cluster shown in the dialog.



Define the Side Slope Conditions of LT and RT.

For each **Side Slope Condition** add the following criteria files.

Setup.x
Pvmt_layers.x
Shldr_c_a.x
Side_slope.x



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5. In the **Define Variables** set the following values for the given variables:

Units (M=1 or E=2)	2
Name of Plan File	plan.dgn
Name of XS File	xs.dgn
Name of Shape/Pattern File	pattern_shape.dgn
Plotting Scale	10
Name of Baseline	Route50
Pavement Layer 1 Thickness (mm or in)	1.75
Pavement Layer 2 Thickness (mm or in)	5.5
Pavement Layer 3 Thickness (mm or in)	6
Aggregate Layer 1 Thickness (mm or in)	6
Shoulder Slope (%)	2.0
Shoulder Thickness (mm or in)	6
Fill Slope 1 (1:X or X:1)	6
Fill Slope 2 (1:X or X:1)	3
Fill Slope 1 Width (m or ft)	24
Ditch Back Slope (1:X or X:1)	3
Ditch Foreslope Width (m or ft)	24
Ditch Depth	4
Ditch Width	8

6. Save the settings for the dialog.

7. Run the proposed cross-sections.
Choose the **Log File** to the **Screen Only**.
Turn on **Pause on Each Section**.

