

## Lay-by design

Starting with a 3D Polyline representing an existing or proposed channel. If a design channel this would have been drawn by a *Strings* menu item. The lay-by will be related to the northern channel shown in dark blue below.



The lay-by alignment is represented as a 2D Polyline shown in white.

**Step 1** *Design, Vertical, Extract geometry*

Click the **From a 3D Polyline** button

Pick the northern channel in the above example and enter the name for the .vtg file.

**Step 2** *Design, Strings, Drape onto Road surface*

Pick the 3D Polyline representing the northern channel

Click OK

Select the .vtg file written above.

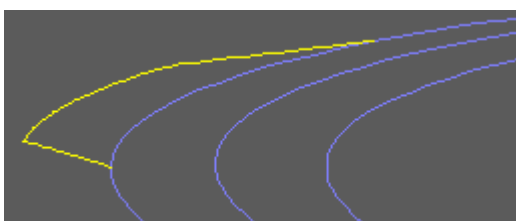
Left:	-1.432	deg	-2.500	%	1:	-40.000
Right:	-1.432	deg	-2.500	%	1:	-40.000
Interval for interpolated subsurfaces						1.000
Surface extent from Master String						10.000

Enter the fall (up + or down -).

Pick the white 2D Polyline representing the lay-by.

<input checked="" type="checkbox"/> Drape entities		
<input type="checkbox"/> Write section file (.sek)		
<input type="checkbox"/> Write vertical geometry file (.vtg)		
<input type="checkbox"/> Save Road surface (.kgm)		
Start	Cancel	Help...

For typical use the above settings are suitable so just click **Start**



The lay-by is now represented as a 3D Polyline shown in yellow in the above 3D view.