

Offset alignments can be created that are parallel to an existing alignment. These alignments could be used to represent the edges of a waterway channel, the top edges of an embankment, or other similar features. This guide covers the procedure used to create an offset alignment based on an existing centerline alignment.

1. Go to the *Create Design* panel on the *Home* ribbon.
2. Click on the down arrow next to *Alignment* and select *Create Offset Alignment*.
3. Either select the existing centerline alignment by clicking on it in the drawing or hit the Enter key to bring up a listing of alignments included in the drawing that you can select from.
4. The *Create Offset Alignments* window will appear. The following settings can be made in this window:
 - Alignment to offset from: This will automatically be set to the alignment you selected in Step 3, but it can be changed by selecting an alignment from the drop-down menu in this window.
 - Offset alignment Name: The name for the offset alignment can be generated based on the default naming convention provided in the Minnesota drawing template. You can also replace this with your own alignment name.
 - The beginning and ending stations for the offset alignment can be specified in the *Station range* section.
 - The number of offset alignments to be created to the left and right of the base alignment can be set, and the incremental offset distances can be established.
 - You can assign the alignment to a specific Site, if you have created sites in the drawing, or you can leave the site setting to <None>.
 - Choose an alignment style. For more information on the alignment styles provided with the Minnesota drawing template, refer to *Quick Reference Guide 500.0 Styles – Alignment Lines*.
 - By default, the alignment will be placed on the layer EX-ALIGNMENT. This can be changed by clicking on the icon next to the alignment layer.
 - Choose an alignment label set. For more information on the alignment label sets provided with the Minnesota drawing template, refer to *Quick Reference Guide 501.0 Styles – Alignment Station Labels*.
 - There is also a *Design Criteria* tab in the *Create Alignment from Objects* window where you can control criteria related to the design of roadways, such as roadway superelevation and sight distance requirements.

Create Offset Alignments

Alignment to offset from:
Alignment - Channel Centerline

Offsets name template:
<[Parent Alignment Name(CP)]>-<[Side]>-<[Offset Distance]

Station range

From start To end

0+00.00' 3+33.94'

No. of offsets on left: 1 No. of offsets on right: 1

Incremental offset on left: 10.000' Incremental offset on right: 10.000'

General Design Criteria

Site:
<None>

Alignment style:
Alignment Line

Alignment layer:
EX-ALIGNMENT

Alignment label set:
Major(Perp) Minor (100 and 50)

OK Cancel Help

A set of offset alignments will have been created from the base alignment that you specified in Step 3. The alignment labels will be placed based on the label set that you selected in the *Create Offset Alignments* window.



The size of the alignment labels is controlled using the drawing's annotation scale. The annotation scale is controlled using the menu on the Application Status Bar at the bottom of the window, as shown below. In the figures above and to the left, an annotation scale of 1"=100' is applied, while the figure above and to the right, an annotation scale of 1"=50' is applied.

