

Degree of Curve Entry in Radius Field

OpenRoads and OpenSite Designer have multiple tools for creating and modifying arcs. There are two categories of tools: graphical tools including the radius manipulator and table editors. Each tool has specific requirements for radius input format. It is good practice to keep your eye on the radius manipulator or to use the Drawing Production tool **Annotate Element** to quickly verify that degree of curve entries into radius fields are processed as you intended by OpenX.

 Always use the **<Enter>** key after typing a degree of curve into any radius field.

Degree Formats

DD^MM'SS.SS" - the degree of curve format allowed in all Radius fields. Use the carat (Shift+6) to delineate the whole degree portion, use a single quote (') to after the minutes and a double quote character (") after the seconds.

DD.DDD - Decimal degree format is numeric only in the very few radius fields that accept decimal degree input: Horizontal Arc commands, Complex By PI, and the Radius Manipulator field (graphical).


Typing in a Degree of Curve

The degree of curve keyins are: **dspaceDD.DDD** and **dspaceDD^MM'SS.SS"**. This syntax is accepted and correctly interpreted by OpenX in radius fields that allow degree of curve entry.

Groups of Tools

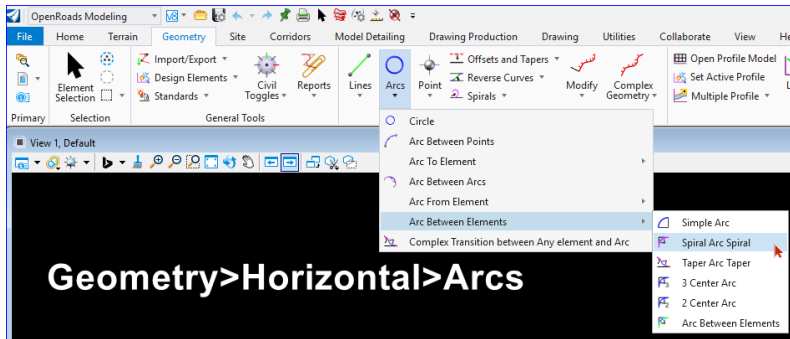
The table below shows the tools grouped by the degree format that is allowed in the radius field.

DMS, Decimal Degree, or Radius	Tool
All Three (DD^MM'SS.SS", DD.DDD, or Radius)	Horizontal Arcs, Complex By PI, & graphical manipulator
No Decimal Degrees (DD^MM'SS.SS" or Radius)	Geometry Builder Tool or Geometry Builder Edit Tool
Radius only	Table Editor (accepts radius only in the Radius field)

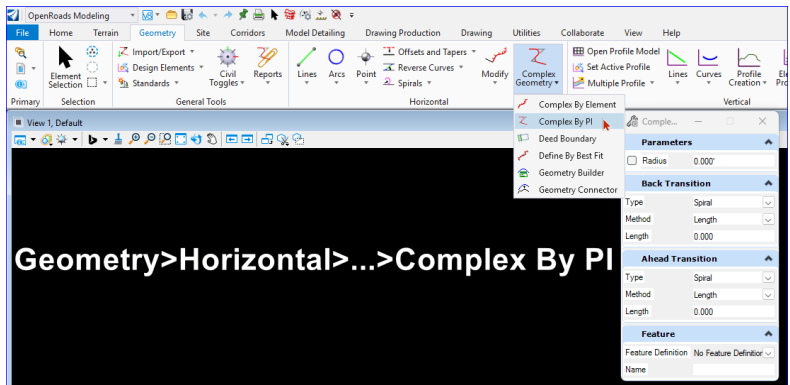
 An Editor (Geometry Builder Edit Tool or Table Editor) can be used to return a Radius of Arc graphical manipulator that displays degree, back to the radius format.

Images showing the tools are on the following pages.

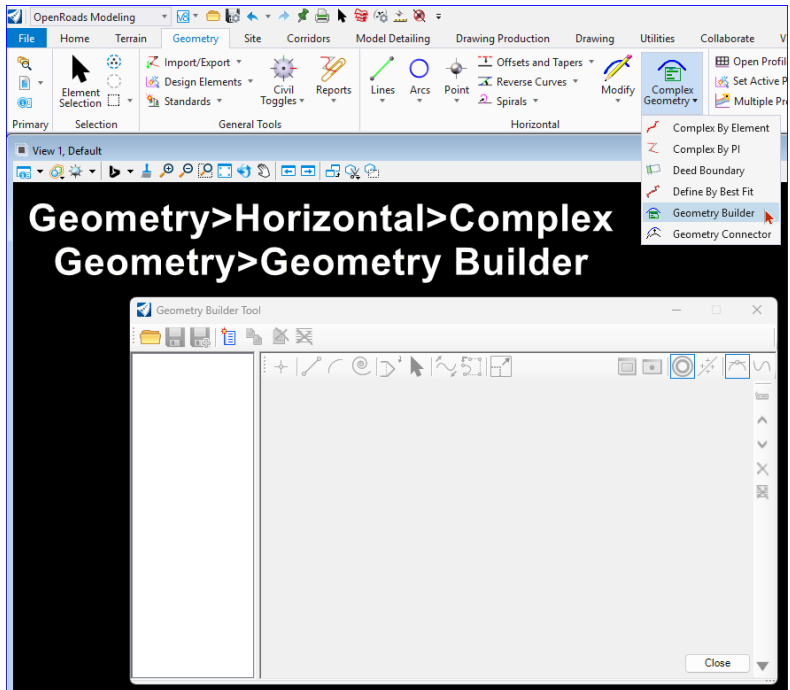
Horizontal Arc tools:



Complex By PI tool:



Geometry Builder Tool:



Geometry Builder Edit Tool:

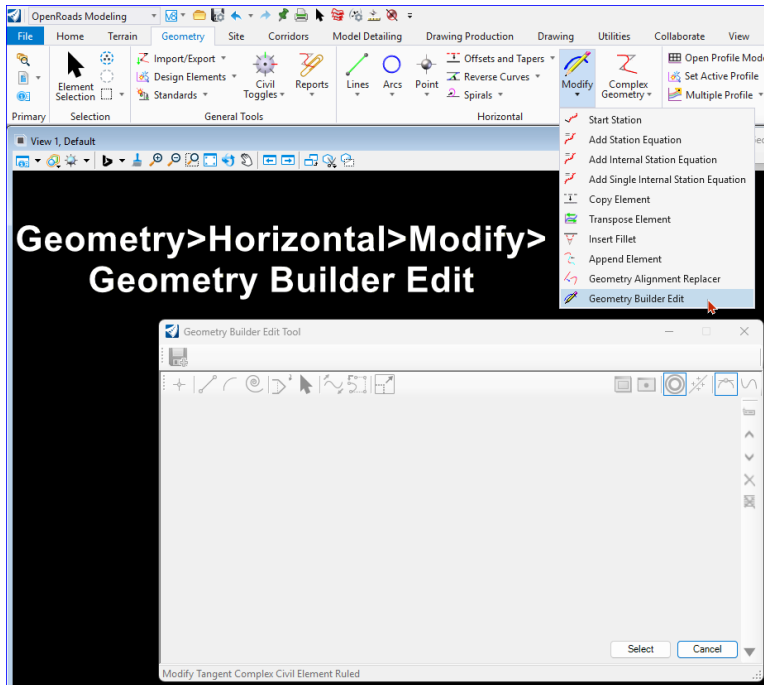


Table Editor:

