

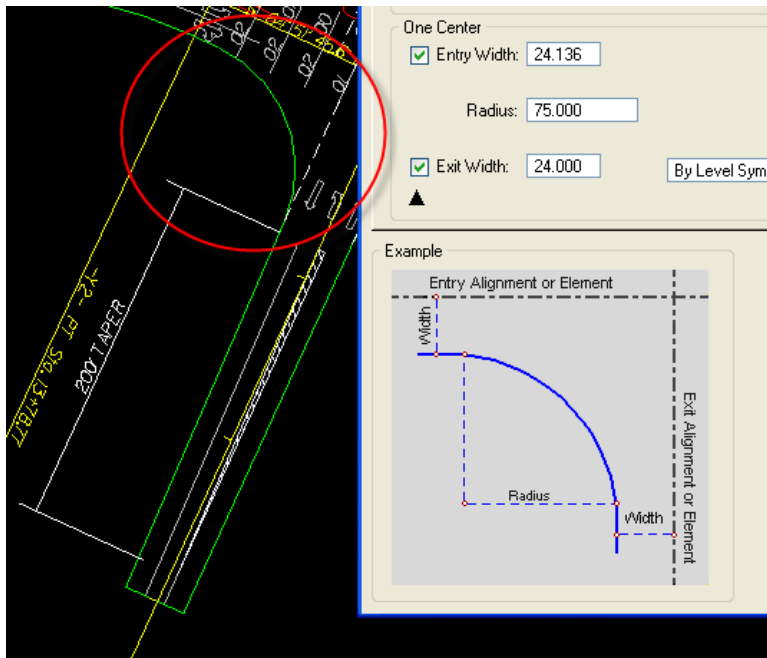
## 8\_1 MULTICENTER CURVE ON LANE TAPERS

### Question:

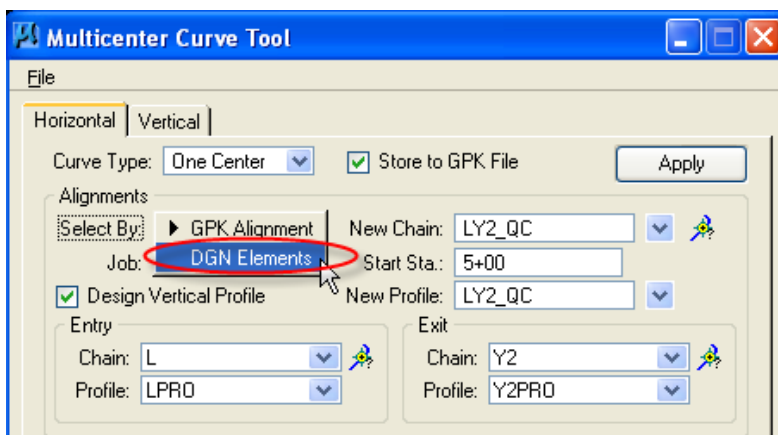
What is causing the Multicenter Curve Tool to crash on some occasions and is there a fix?

### Answer:

Sometime it is mathematically indeterminate to let the program fit the radius of a curve base on the GPK data of the intersection horizontal alignments and the keyed-in offset values, especially in areas of variable lane widths tapers and transitions, causing it to crash.

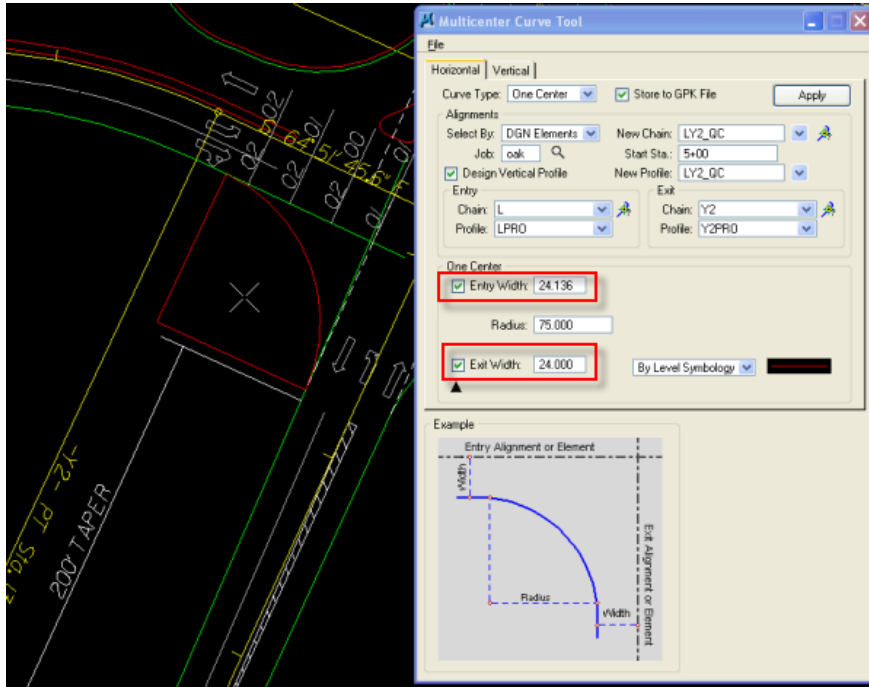


The workaround is to change the Alignment "Select By" method from **GPK Alignment** to **DGN Element**.

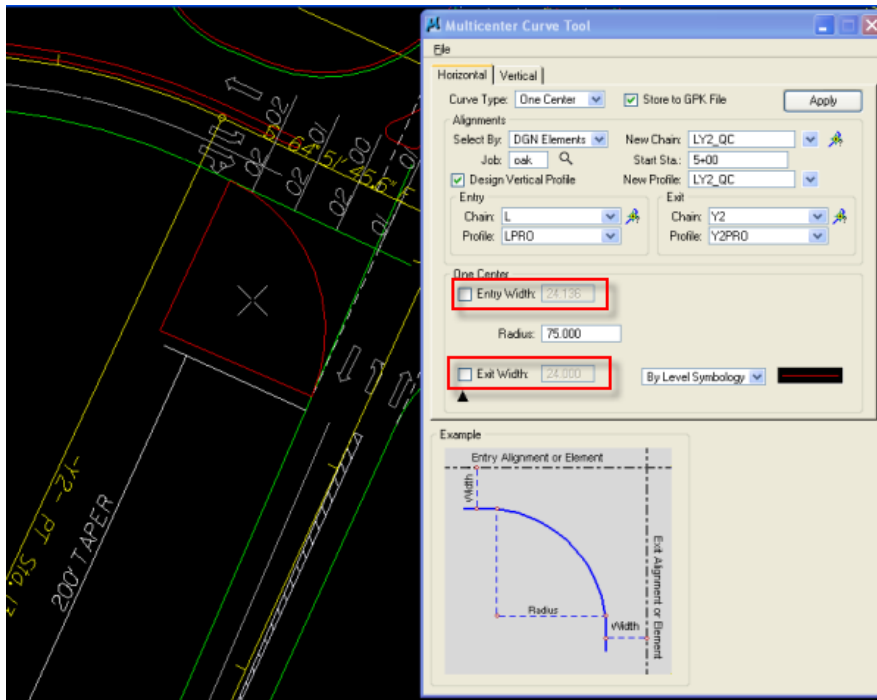


If the intersection graphics are drawn correctly, then there are two options to fit the radius in at a typical intersection quadrant:

1. Use the centerline graphics (yellow) to define the entry and exit alignments. Measure and key-in the entry and exit widths.



2. Use the EOT graphics (green) to define the entry and exit elements. **No entry or exit widths required.**



Note about storing the vertical alignment, sometime the proposed TIN file cannot established the entry and exit grade definitions. Try keying-in the proposed super as an option at these key locations instead.

