Two – Lane Roundabout Design Criteria

Design criteria when using Rodel 1 Roundabout Software:

**Confidence Level:** For capacity analysis 85% shall be used (capacity factor to 0.883 and flow factor to 1.117). This applies to either a one lane or two-lane design. As a check of the design to determine the maximum performance of the roundabout various confidence levels can be used, but for use as a comparison to signals an 85% confidence level is to be used.

**Entry Width:** No leg greater than 8.5 meters

**Flare Length:** 100 meters

**Entry Radius:** 60 meters

**Entry Angle:** No less than 20 degrees

**Diameter:** No greater than 60 meters

**Flow Ratio:** 0.75, 1.125. 0.75 or the value that equals a PHF of 0.90 (NHDOT typical default value)

**Truck Percentage:** should equal the actual truck percentage determined for each individual approach

**Design Vehicle:** minimum vehicle is a WB-62; in the vicinity of an Interstate the use of a WB-67 should be investigated.