Modern Roundabouts, Are they right for you?

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The Problem

- Traffic Congestion

- The Solution?
Roundabouts, Are we crazy?

- What are they doing?
- This will never work!
- You are going to get someone killed!
Why consider a Roundabout?

- Improved Safety
  - Reduced conflict points result in less injury crashes and fatalities
Higher Capacity

- Capacity provided for peak demands and future growth
- Excellent traffic operation and exceptional vehicle and pedestrian safety is presently being achieved by U.S. roundabouts, with traffic volumes ranging from 2,500 - 5,000 vehicles per hour
Why ? Continued

Cheaper

- Most of the time no signal equipment is needed
- Smaller Roundabouts require less ROW compared to traditional intersections
- Less pavement needed vs large intersections with turn lanes
- Reduced maintenance costs compared to signalized intersections
Public Misconceptions
Common Roundabout Myths

- Modern Roundabouts are the same as traffic circles and rotaries
- Modern roundabouts should not be used at high speed intersections
- Construction and right-of-way costs are higher than signals
- Roundabouts are unsafe for inexperienced and older drivers
Roundabouts are unsafe for pedestrians
The public will not embrace modern roundabouts
Roundabouts will make congestion worse than a traffic signal
Roundabouts cannot accommodate large trucks or emergency response vehicles
Roundabouts should be used everywhere
Local Examples

- Burleigh County, ND 2015
Examples Continued

- Cass County, ND 2008
Examples Continued

- NDDOT, Killdeer, ND 2013
  - HWY 22 & HWY 200
Conclusion

- When designed correctly, modern roundabouts can be an effective tool to reduce vehicular crash rates and in most cases eliminate critical, life threatening injuries at intersections.
- Roundabouts are not the magic bullet.
THE ROUNDAABOUT OF FAILURE

You have arrived