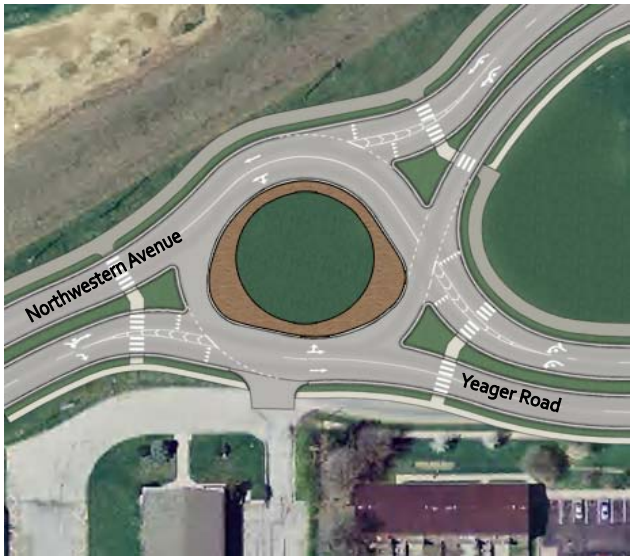
Roundabouts in West Lafayette

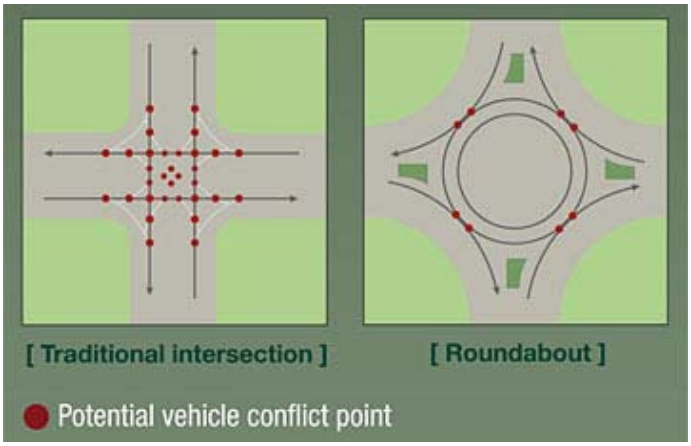
CITY OF WEST LAFAYETTE

Proposed Yeager Road and Northwestern Avenue Roundabout



Roundabout Safety Benefits

- Reduction of traffic speeds (15 to 25 mph)
- Drastic reductions in crash rates when compared to a traditional intersection:
  - Up to 90% reduction in fatalities
  - 76% reduction in crashes resulting in injury
  - 30 – 40% reduction in crashes involving pedestrians
- Reduction in conflict points (point at which two opposing vehicle paths cross, and thus a potential for a collision exists)



West Lafayette Locations Where Roundabouts are Being Considered

Cumberland Ave. & Kent Ave.
Cumberland Ave. & Yeager Rd.
Cumberland Ave. & Manchester Dr.
Yeager Rd. & Kalberer Rd.
Yeager Rd. & Northwestern Ave.
Harrison St. & Martin C. Jischke Dr.

City of West Lafayette Roundabout Webpage

Visit the West Lafayette roundabout webpage at http://tiny.cc/WLRoundabouts

Other Helpful Links

Federal Highway Administration:
http://safety.fhwa.dot.gov/intersection/roundabouts/
Kansas State University:
http://www.k-state.edu/roundabouts/
Insurance Institute for Highway Safety:
http://www.iihs.org/research/topics/roundabouts.html

One school crossing guard stated:
"Personally, I love them… you only have to stop one lane [or direction] of traffic, then go to the middle and wait. The cars can't go much faster than 20 mph through the roundabout, so the crossing aspect is great."