Mini-Roundabouts

Towards Zero Deaths Conference

October 24, 2019

Mini-roundabout
(Hartford County, Maryland)
Standard roundabout  
(Marquette, Michigan)

Mini-roundabouts in MN
Mini-roundabouts in MN

Constructors or Scheduled for 2017 Completion

Duluth Avenue and Village Lake Drive, Prior Lake (2019)
County Road 8, Division Street, Elm Avenue, Maple Lake (2018)
Mn Highway 4 (1st Ave) and Armstrong Blvd, St. James (2017)
Mn Highway 4 (1st Ave) and 7th Street, St. James (2017)
18th Ave NW (County Road 112) and 48th St NW, Rochester (2017)
Washington Street/4th Avenue/Military Road, Anoka (2017)
Louisiana Avenue and South Park Drive, Savage (2016)
Gilmore Avenue, near US 61, Winona (2016)
Spencer Street (County Road 79) and Vierling Drive, Shakopee (2014)
Railroad Drive/3rd Street NW/Irving Avenue NW, Elk River (2013)

Mini-roundabouts

• A single lane roundabout with inscribed circle diameter between 50 – 90 ft.
• Raised but traversable central island and splitter islands.
• Intersections on 2-lane or 3-lane high-volume collector roads.
• Speed 35 mph or less. Sometimes 45.
• Low truck/bus volume.
Tractor-trailer
Hartford County, MD

Benefits

- Fits within existing intersection.
  - No additional right-of-way.
- Low construction cost.
- Less fuel use.
  - Lower emissions.
- Efficient traffic operations.
- Increased safety.
  - Fewer conflict points.
  - Prevents right-angle crashes.
  - Reduced speed.
  - Shorter pedestrian crossings.
School buses
Hartford County, MD

Pedestrians
Hartford County, MD
Maple Lake

County Road 8, Division Street, Elm Avenue
Maple Lake
County Road 8, Division Street, Elm Avenue

Elk River
Railroad Drive/3rd Street NW/Irving Avenue NW
City of Savage
Louisiana Avenue and South Park Drive

Winona/MnDOT District 6
Gilmore Avenue (near US 61)
City of Prior Lake
Duluth Avenue and Village Lake Drive
St. James/MnDOT District 7
Mn Highway 4 (1st Ave)