

Purpose and Need

» Roadway Deficiencies

- Variable roadway types (alternating 2-lane and 4-lane)
- Offset intersections (many side streets don't line up)
- Substandard vertical curves (hills/valleys)

» Safety

- 255 crashes from 2010 through 2014
- Nearly 40% were injury crashes; one fatal crash in 2012

» Traffic Demand

- WisDOT forecasts show a 13 to 21 percent traffic increase over 24-year period to Design Year of 2039
- Difficulty turning onto and off of North Avenue at side street intersections and driveways

Purpose and Need

» Design Year (2039) Traffic Operations

- North Avenue sections are expected to operate at an unacceptable LOS during peak hours
 - Through the Calhoun Road intersection
 - All existing two-lane roadway sections
- Some traffic movements at intersections will operate at an unacceptable level of service (below LOS D) during peak hours
 - Intersections with Calhoun Road, Pilgrim Square Drive, Highland Drive, Lilly Road, 124th Street, and select stop controlled intersections

» Transportation and Land Use Planning

- North Avenue is on the National Highway System, and is designated as a principal arterial
- The Southeastern Wisconsin Regional Planning Commission's 2035 Regional Transportation Plan includes North Avenue as a 4-lane roadway from Calhoun Road to 124th Street; other east-west and north-south routes in Brookfield are also identified as requiring capacity expansion