

18.MAIN STREET & INTERSTATE 55 RAMP

Intersection Characteristics

Intersection Type: 4 leg intersection

Control Type: Two-way stop controlled

Speed Limit: 40 mph on Main Street and 35 mph on Interstate 55

Service Road

Number of Lanes: 4 lanes along Main Street and 2 lanes along Interstate 55 Service Road

Roadway Section: Two-way, not divided with two-way left-turn lane (TWLTL) along Main Street and two-way, not divided along Interstate 55 Service Road

Roadway Alignment: Straight along Main Street, Interstate 55 Service Road is curved

Average Total Entering Daily Traffic: Approximately 18,200 vehicles

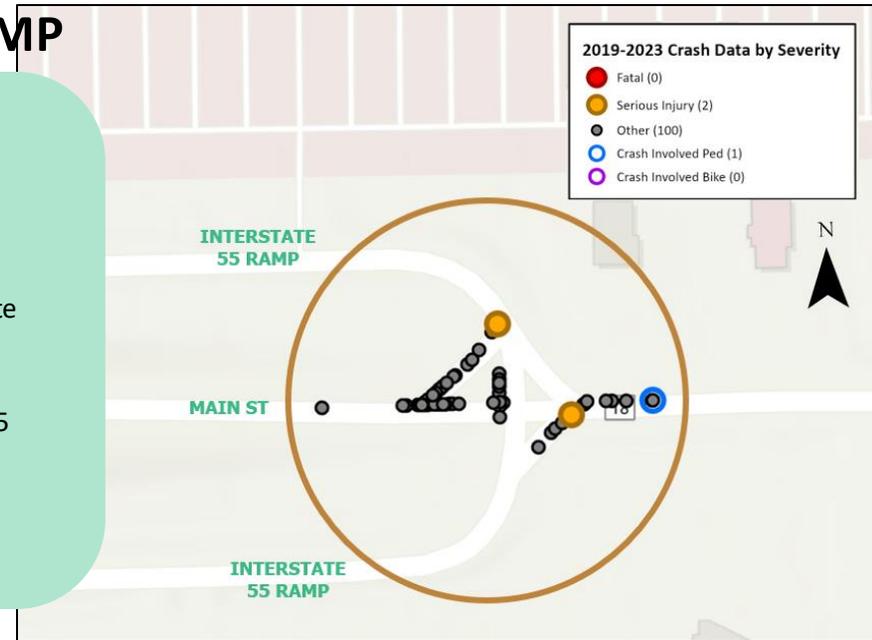
Existing Conditions

The intersection of Main Street and the Interstate 55 Ramp is a two-way stop-controlled intersection with high traffic volumes located on a High Injury Network (HIN) road segment. The Interstate 55 Ramp features a sharp turn radius with limited sight distance approaching the intersection.

Additionally, a Walmart driveway within the ramp creates more conflict points. The intersection is not sufficiently striped; for example, the westbound left-turn lane is not adequately marked for dedicated use of the TWLTL, potentially causing issues due to business driveways being located within 100 feet of the intersection. Public comments have noted frequent crashes at this location, and there has been one pedestrian crash. Comments emphasize the need for safe pedestrian crossings over Interstate 55, as there are no sidewalks along Main Street or crosswalks across the Interstate 55 Ramp.

Countermeasure Summary

Due to the large number of crashes and intersection geometry located at the intersection of Main Street and Interstate 55 Ramp a more detailed road safety audit (RSA) is recommended for this intersection to look more closely at the existing conditions to identify site specific countermeasures that may have a higher impact on reducing crashes.



Countermeasure
Other Countermeasures
Road Safety Audit