



Information on Top Ten Ranked Critical County Intersections and Corresponding Mitigations

Dakota County Physical Development Committee of the Whole

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Presentation Outline



- Crash Rate Index (CRI), Severity, & Other Background
- Additional Mitigations and Monitoring
- Top 10 Crash Locations by CRI
- Top 10 Crash Locations by Severity
- Questions and Discussion

Crash Metrics



Crash Rate Index (CRI)

- 3 years of crashes
- Traffic Volume
- Comparison to other similar intersections in MN
- Values higher than 1.0 suggests safety issue

Severity Crash Rate

- 3 years of crashes
- Traffic Volume
- Uses severe crashes, particularly Fatality and Severe Injury Crashes

County Traffic staff evaluates and ranks all eligible intersections annually by these criteria (Intersection Crash Listing)

- Intersection Crash Listing (ICL) Ranks intersections by mentioned metrics
- Other Safety Monitoring includes
 - Focusing on safety-forward approaches on design and operations
 - MnDOT County Road Safety Plan Recommendations
 - Citizen requests
 - Awareness of unexpected or severe crashes occurring
 - Prioritization and expediting as necessary

Top 10 Ranked CRI Intersections



Intersection	City	CRI	2023-2025 Crashes	Mitigation/Evaluation
CSAH 50 and CSAH 60	Lakeville	5.96	423	RAB Striping Improvements (2025) and Evaluation
CSAH 33 and December Trail	Rosemount/ Apple Valley	4.20	17	Control Evaluation (2025/2026)
CSAH 62 and CR 85/Goodwin	Vermillion	3.88	11	Mumble Strip Installation (2025) and further improvements (2026)
CSAH 46 and TH 52 Ramps	Coates	3.66/ 2.84	17 / 16	Temporary Signal Installation (2026) and Roundabout Installation (2029)
CSAH 78 and TH 3	Castle Rock	3.29	13	Roundabout Installation (MnDOT led) (2029 or earlier)
CSAH 9 and 190th	Lakeville	3.03	21	¾ Intersection Installation (2029)
CSAH 8 and Livingston	West St Paul	3.00	15	¾ Intersection Installation (2029)
CSAH 42 and Biscayne	Rosemount	2.97	25	Median Closure (2025) and Signal Installation (2027)
CSAH 73 and Cenex / 55th	Inver Grove Heights	2.94	11	Signage Improvements and Speed Evaluation (2026)
CSAH 42 and TH 52 West Ramp	Rosemount	2.91	18	Signal Installation (2026)
CSAH 60 and Orchard Trail	Lakeville	2.71	26	Signal Installation (2027)
CR 5 and Kenyon	Lakeville	2.34	15	Temp Signal (2026) and Permanent Signal Installation (2029)

Bold mitigations denote completed work

Asterisk denote Low-Volume Skew

Top 10 Ranked by Severity Rate

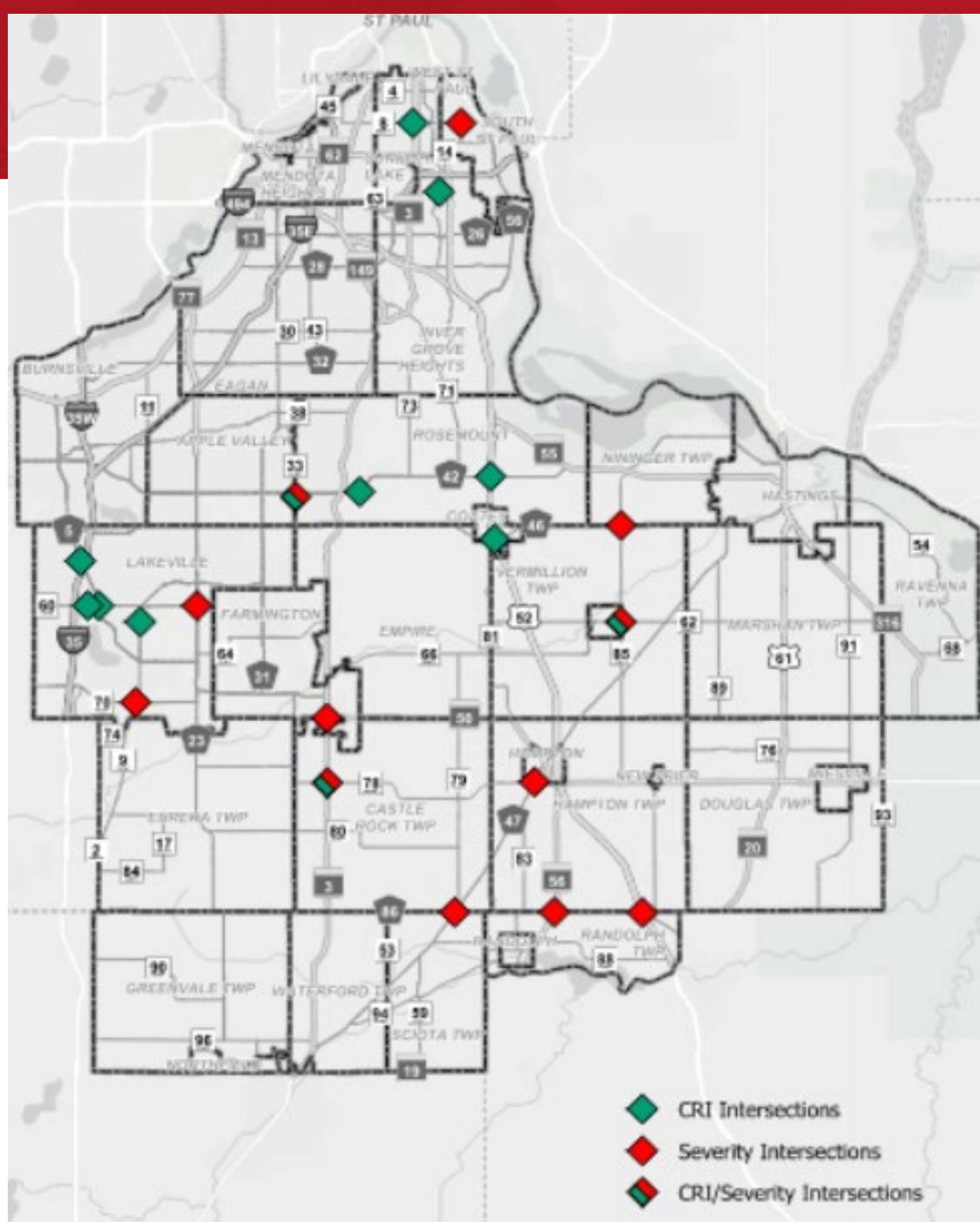


Intersection	City	Severity Metric	2023-2025 K+A Crashes	Mitigation/Evaluation
CSAH 62 and CSAH 85	Vermillion	5.60	2A	Mumble Strips Installed (2025) and further improvements (2026)
TH 3 and CSAH 78	Castle Rock	2.98	2A	Potential Mumble Strip (2026) and Roundabout Installation (MnDOT led) (2029 or earlier)
CSAH 46 and CSAH 85	Vermillion	2.58	2A	Roundabout Installed (2024)
CSAH 86 and TH 52 W Ramp	Randolph	2.37	1A	Evaluation (2026)
CSAH 47 and CSAH 86	Castle Rock / Sciota	1.77	2A	Mumble Strip Install (2026) and Intersection Improvements (2027)
CSAH 9 and CSAH 70	Lakeville	1.76	4A	Signal Timing Updates (2026)
CSAH 47 and CR 78	Hampton	1.58	1A	Mumble Strip Installation (2026) and Intersection Improvements (2027)
CSAH 86 and TH 56	Castle Rock	1.49	1A	Roundabout Installation (2026)
CSAH 33 and December Trail	Apple Valley / Rosemount	1.47	1A	Control Evaluation (2025/2026)
CSAH 8 and 15 th Ave	South St Paul	1.41	1A	Signage/Sight Line Clearing (2024) and Potential Bumpouts (2028)
CSAH 23 and 185th	Lakeville	1.39	1K and 2A	Fatality from elderly wrong-way driver
TH 3 and CSAH 50 N Junction	Farmington	1.38	2A	Working with MnDOT to relay potential signal timing updates
CSAH 38 and Irving	Burnsville	1.29	2A	Roundabout Installation in 2027

Bold mitigations denote completed work

Asterisks denote Low-volume skew

Top 10 CRI and Severity Map



Questions?