# Technical Memorandum

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| **To:** | Rondi Watson<br>*Duluth-Superior Metropolitan Interstate Council* |
| **From:** | Michael Kondziolka, PE, PTOE, RSP1<br>Cameron Valuch, PE<br>Danny Ogranovich<br>*Alliant Engineering, Inc.* |
| **Date:** | 7/24/2026 |
| **Subject:** | MIC Area Safety Action Plan Phase 2 – Project and Strategy Selection |

# 1. Introduction

The Duluth–Superior Metropolitan Interstate Council (MIC) is preparing a Comprehensive Safety Action Plan (SAP) to advance a Safe System approach and support state and federal roadway safety goals across the Duluth–Superior metropolitan planning area. Phase 1 of the SAP established the plan's technical foundation by applying a data-driven, systemic analysis to all arterial and collector roadways within the MIC jurisdiction, identifying Safety Emphasis Areas (SEAs), developing risk factors and tiering, and assembling an initial set of prioritized safety strategies and candidate projects.

The Phase 2 Crash Data Update refreshed the crash dataset used in Phase 1 so that the analysis reflects the most recent complete five-year period available at the time of the update—calendar years 2020–2024. Updating to a recent baseline ensured that safety patterns, crash rates, and risk assessments reflect recent operating conditions and reporting trends within the MIC planning area.

The following updates to the MIC Area Safety Action Plan were included in the *MIC Area Safety Action Plan Phase 2 – 2020-2024 Crash Data Update Technical Memorandum*:

- Replaced the 2017–2021 crash dataset used in Phase 1 with a reconciled, 2020–2024 five-year dataset drawn from the appropriate Minnesota and Wisconsin crash systems and filtered to the SAP study network.
- Computed new crash rates, updated the SEA-specific risk factor assessments, and re-tiered roadway elements to reflect the new data.
- Reassessed the safety improvement projects for each high-priority (tier 1 or 2) location within each SEA category.

The purpose of this memorandum is to provide prioritized project lists, incorporate the Phase 2 public engagement input and social vulnerability analysis, and to add project implementation timelines for each recommended project location. The following updates that were incorporated into the recommended project lists are described in this memorandum:

- Identify 'hotspot' locations that received multiple safety-related comments through the stakeholder engagement activities.
- Identify locations within areas with a high social vulnerability index based on demographic and socioeconomic data.
- Add project implementation timelines to each recommended project in accordance with SS4A requirements.
- Incorporate stakeholder engagement priority and high social vulnerability index locations into the project implementation timelines to assign greater urgency to high-priority locations.

# 2. Safety Countermeasure Assignment

Safety countermeasures are assigned for each Tier 1 and Tier 2 location. Countermeasure decision trees, which provide the data-driven logic used to determine which safety projects are most suitable for a given location, were used to assess the appropriate countermeasures. The safety countermeasure decision trees used in the Phase 1 plans were used in Phase 2. These decision trees are provided in Appendix K of the Phase 1 Safety Action Plan. No changes were made to the list of potential countermeasures (i.e., the toolbox of potential safety improvements) in the Phase 2 update. Updates to the risk factor analysis and safety countermeasure assignments based on the refreshed crash data are discussed in detail in the *MIC Area Safety Action Plan Phase 2 – 2020-2024 Crash Data Update Technical Memorandum*.

The safety countermeasure recommendations and corresponding cost estimates followed the methodology outlined in the Phase 1 Safety Action Plan. Each safety countermeasure recommendation was checked for the identified location to verify feasibility and necessity. The unit prices used in developing the cost estimates in the Phase 1 analysis were also held constant for the Phase 2 analysis. The tables of recommended safety countermeasures for each Tier 1 and Tier 2 location are attached in **Attachment 1.**

Following the Phase 1 methodology, a weighted cost per risk factor was determined for each location to further aid in prioritizing locations. This was based on the total cost associated with the recommended projects and the number of risk factors met at the location. This weighing helps to prioritize projects based on their cost-effectiveness. The lower the cost per weighted risk factor, the more economically advantageous it is to implement an improvement strategy. These tables, sorted by cost per weighted risk factor, are attached in **Attachment 2**.

# 3. Public Engagement Input and Social Vulnerability Analysis

The Phase 1 Safety Action Plan utilized a data-driven systemic risk factor analysis and safety countermeasure assessment to prioritize locations for safety improvements. While this process identifies high-risk locations and develops cost-effective solutions for them, it does not address public safety concerns or factor in risk and need based on socioeconomic conditions for the analysis locations.

## 3.1 ENGAGEMENT INPUT

To connect community-reported concerns to the infrastructure features analyzed in the SAP, the project team performed a spatial analysis linking engagement responses to the plan's feature layers.

### 3.1.1 Methodology

Engagement pins were first cleaned to remove comments that were not relevant to the safety analysis. These included comments pertaining to the following:

- Reports of already documented crashes, as they duplicated the crash analysis.
- Comments unrelated to traffic safety, such as those pertaining to crime, maintenance, or other non-transportation topics.

Because comments were wide-ranging and often covered multiple topic areas, this filtering method did not exclude comments partially about the above topics, only those entirely about the above topics. Comments were also sorted by whether they had to do with pedestrian or bike safety, later used in the resulting analysis as described below.

The cleaned pins were then spatially joined to each of the five SAP feature layers (segments, curves, stop-controlled intersections, signalized intersections, and pedestrian/bicycle intersections) using a 200-foot buffer around each feature. The buffer serves to associate the locations of the pins with the nearest roadway feature included in the safety analysis.

To identify features which had meaningful community input, results were filtered to include only those that meet at least one of two thresholds:

- Three or more comments within the buffer.
- At least one comment with two or more upvotes. Upvotes were treated as additional comments for the purpose of this threshold.

Pedestrian/bicycle intersections were subject to an additional filter. Only pedestrian- or bicycle-related comments were included in the analysis.

After applying the filtering criteria, each remaining feature was manually reviewed to confirm that the associated comments reflected a safety concern at that location. Two features were excluded during this review. The resulting join layers include a “Verified” attribute documenting the outcome of this manual review for each feature.

The public engagement input hotspots are shown in **Figure 1**, with yellow coloring representing the areas with the greatest concentration of comments.

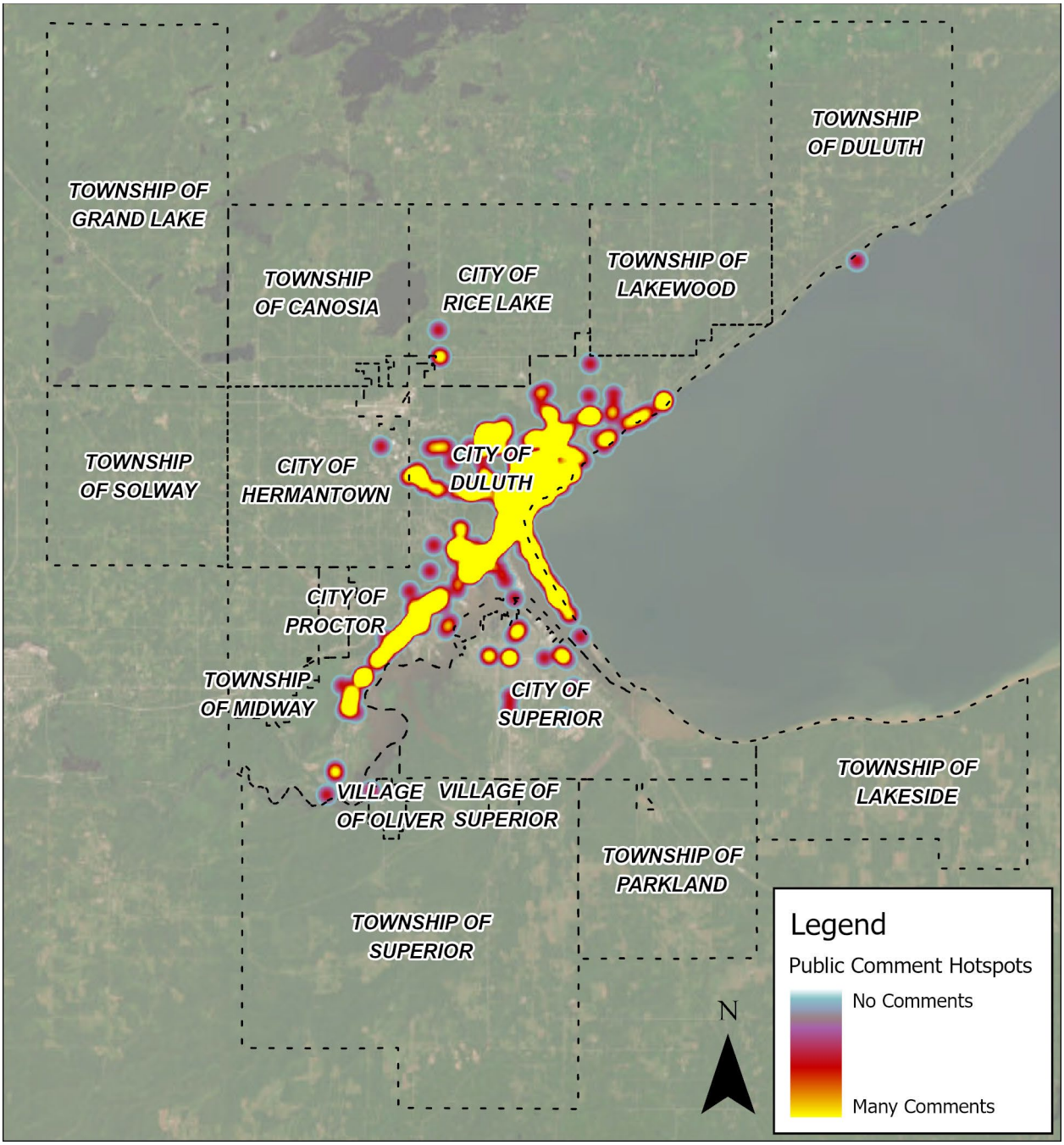


*Figure 1. Public Engagement Input Hotspot Map*

## 3.2 SOCIAL VULNERABILITY ANALYSIS

In the Duluth-Superior MIC and across the nation, certain communities are disproportionately impacted by transportation-related injuries and fatalities. Addressing regional transportation

safety issues includes providing safe travel options regardless of a person's mode of transportation, race or ethnicity, or socioeconomic status.

As part of preparing the SAP, Alliant developed a multi-factor, demographic profile of the city based on American Community Survey (ACS) data and focusing on specific indicators of social vulnerability. Social vulnerability, according to the Centers for Disease Control (CDC), refers to the demographic and socioeconomic factors that adversely affect communities that encounter hazards and other community-level stressors. Traffic safety is an ever-present stressor faced by communities across the region.

### 3.2.1 Social Vulnerability Indicators

This list of Social Vulnerability Indicators was drawn from the CDC[1] and the Minnesota DOT (MnDOT)[2], then further refined to create a list adapted for the MIC. Those indicators, along with the data sources they were retrieved from, are summarized in **Table 1** below.

[1] Centers for Disease Control and Prevention, and Agency for Toxic Substances and Disease Registry. *Social Vulnerability Index*. Place and Health – Geospatial Research, Analysis & Services Program (GRASP), U.S. Department of Health and Human Services, 22 July 2024, www.atsdr.cdc.gov/place-health/php/svi/index.html

[2] Minnesota Department of Transportation. *MnDOT SPACE Tool User Guide*. St. Paul: MnDOT, Apr. 5, 2022.

*Table 1. Social Vulnerability Indicators and Data Sources*

| Indicator | ACS Table | Numerator | Denominator |
|---|---|---|---|
| **Race** | B02001 | Total population minus White alone | Total population |
| **Younger Persons** | B01001 | Sum of male and female under-18 age categories | Total population |
| **Older Persons** | B01001 | Sum of male and female 65+ age categories | Total population |
| **Disability** | B18101 | Sum of "with a disability" cells across all sex and age groups | Civilian noninstitutionalized population |
| **Unemployment** | B23025 | Unemployed population | Civilian labor force |
| **Poverty** | B17021 | Income below poverty level | Population for whom poverty status is determined |
| **Household Vehicle Access** | B25044 | Owner- and renter-occupied units with no vehicle | Total occupied housing units |
| **American Indian and Alaska Native (AIAN)** | B02010 | AIAN alone or in combination | Total population (from B02001) |
| **Limited English Proficiency (LEP)** | C16001 | Sum of "speak English less than very well" cells | Population aged 5 and over |

### 3.2.2 Composite Social Vulnerability Index Methodology

The following steps outline the methodology used to develop the Composite Social Vulnerability Index.

1. For each indicator, the proportion of the relevant population associated with that indicator was calculated by census tract:
    a. Race: percent of non-white residents
    b. Younger Persons: percent of residents under 18
    c. Older Persons: percent of residents 65 and older
    d. Disability Status: percent of the civilian noninstitutionalized population with a disability
    e. Unemployment: percent of the civilian labor force unemployed within the previous 12 months
    f. Poverty: percent of residents below the poverty level within the previous 12 months
    g. Household Vehicle Access: percent of occupied housing units without access to a vehicle

   h. American Indian and Alaska Native (AIAN): percent of the population identifying as AIAN alone or in combination
   i. Limited English Proficiency (LEP): percent of the population aged 5 and over who speak English less than very well
2. For each indicator, the z-score (number of standard deviations away from the mean) of each census tract was calculated using the population standard deviation across all 53 MIC tracts. This calculation shows how far above or below the regional average each census tract is for a given indicator.
3. For each indicator, z-scores were translated to a 0–5 point scale. Census tracts at or below the regional mean ($z \leq 0$) received zero points. One point was assigned for z-scores up to one standard deviation above the mean, two points for z-scores up to two, three points for z-scores up to three, four points for z-scores up to four, and five points for z-scores greater than four. The farther above average, the more points are assigned to that census tract.
4. A composite Social Vulnerability Score was created for each census tract by summing the points assigned across all nine indicators. The theoretical maximum is 45 points (9 indicators × 5 points). The composite score was then rescaled to a 0–100 scale by dividing by 45 and multiplying by 100.

$$\mathrm{Z} = (\text{Tract Percentage} - \text{Regional Mean}) \,/\, \text{Standard Deviation}$$

$$\text{Composite Score} = (\Sigma \text{ points across 9 indicators} \,/\, 45) \times 100$$

Composite Social Vulnerability Scores were calculated for each Census Tract and then overlaid with SAP project locations as a part of the prioritization process. Any project located within or adjacent to a tract scoring 10 or higher, which is roughly the 85th percentile of all tracts, was classified as "socially vulnerable" for the purposes of this prioritization framework. A map showing the resulting social vulnerability index for each census tract in the MIC planning area is provided in **Figure 2**.

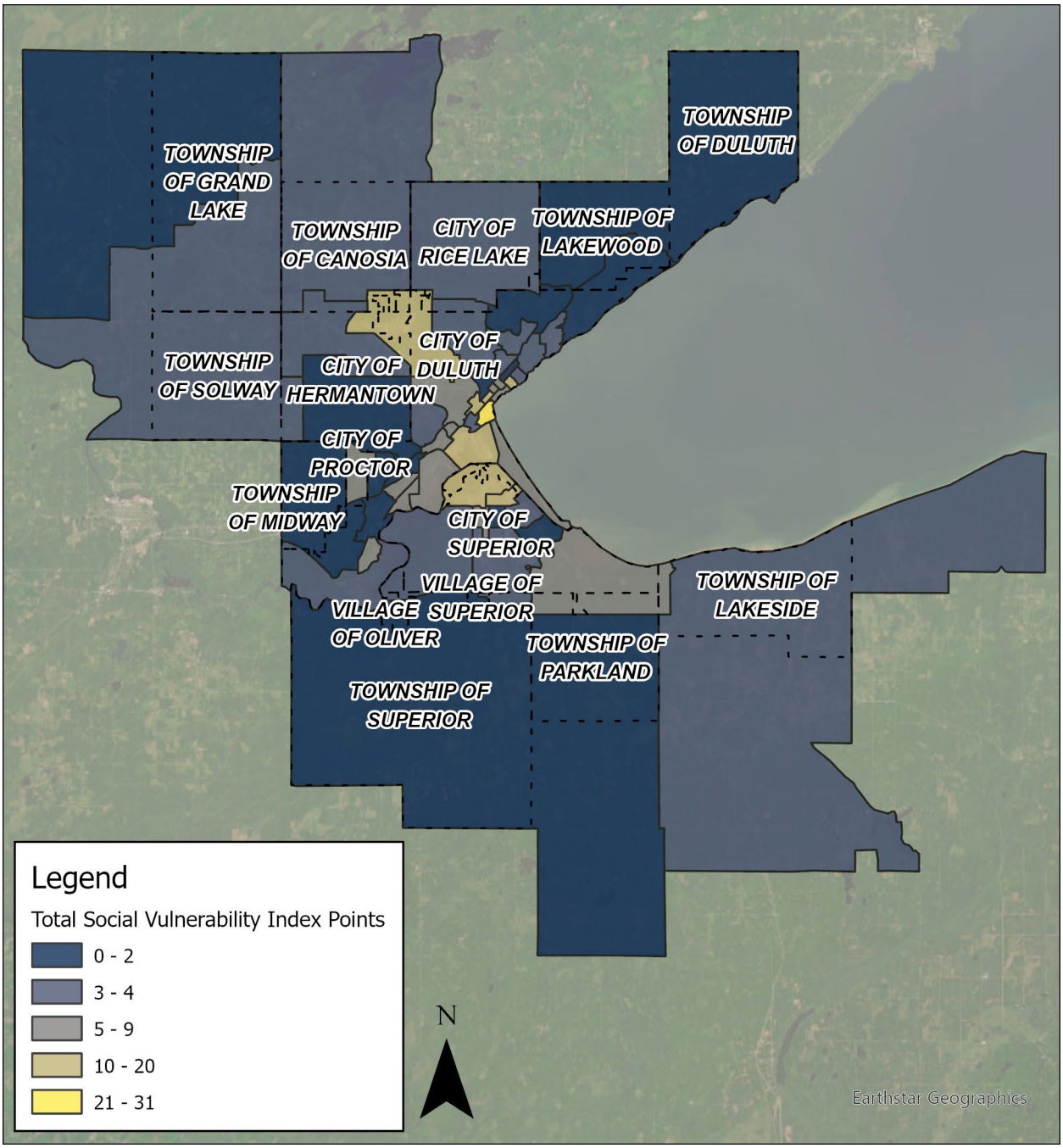


*Figure 2. Social Vulnerability Index Map*

# 4. Implementation Timeline

The Safety Action Plan identifies a set of recommended projects and strategies aimed at improving key safety issues that contribute to fatal and serious injury crashes. The recommended project list for each safety emphasis area is initially sorted from most risk factors met to fewest risk factors met (as presented in Attachment 1). Next, the project locations were reprioritized to give the highest priority to the projects that address risks most cost-efficiently. These tables in Attachment 2 present the recommended projects prioritized by cost per weighted risk.

A component of the Federal SS4A process is defining the timeline for project implementation for each recommended safety project contained in the plan. Project implementation timelines were initially added based on the cost per weighted risk factor, dividing the Tier 1 and 2 project locations into thirds with the most cost-efficient projects ranked in the short-term category and the least cost-efficient projects in the long-term category.

The recommended project implementation timeline categories are defined as follows:

- Short-term: 0-3 years
- Mid-term: 4-6 years
- Long-term: 7-10 years

The initial implementation timelines were assigned to each of the recommended project locations based on the maximum overall estimated project costs per weighted risk factor as defined below:

### Short-term recommended project implementation timeline (0-3 years)

- SEA 1 – Rural Two-Lane Undivided Roads, Segments: **$50,000 per weighted risk factor**
- SEA 1 – Rural Two-Lane Undivided Roads, Curves: **$5,000 per weighted risk factor**
- SEA 2 – Urban Two-Way Stop-Controlled Intersections: **$50,000 per weighted risk factor**
- SEA 3 – Signalized Intersections on Multilane Arterials: **$65,000 per weighted risk factor**
- SEA 4 – Urban Intersections: **$30,000 per weighted risk factor**

### Mid-term recommended project implementation timeline (4-6 years)

- SEA 1 – Rural Two-Lane Undivided Roads, Segments: **$100,000 per weighted risk factor**
- SEA 1 – Rural Two-Lane Undivided Roads, Curves: **$10,000 per weighted risk factor**
- SEA 2 – Urban Two-Way Stop-Controlled Intersections: **$200,000 per weighted risk factor**
- SEA 3 – Signalized Intersections on Multilane Arterials: **$200,000 per weighted risk factor**
- SEA 4 – Urban Intersections: **$60,000 per weighted risk factor**

### Long-term recommended project implementation timeline (7-10 years)

- SEA 1 – Rural Two-Lane Undivided Roads, Segments: **≥ $100,000 per weighted risk factor**

- SEA 1 – Rural Two-Lane Undivided Roads, Curves: **≥ $10,000 per weighted risk factor**
- SEA 2 – Urban Two-Way Stop-Controlled Intersections: **≥ $200,000 per weighted risk factor**
- SEA 3 – Signalized Intersections on Multilane Arterials: **≥ $200,000 per weighted risk factor**
- SEA 4 – Urban Intersections: **≥ $60,000 per weighted risk factor**

The final component of the Safety Action Plan development is integrating the public engagement input and social vulnerability scores into the project prioritization process. This was completed by adding a column for each of these indicators to the lists of recommended projects prioritized by cost per weighted risk. For any given location, the presence of one or more community-based prioritization factors influences the project implementation timeframe (i.e., short-term, mid-term, long-term). The influence on implementation timeline that meeting one or both of these indicators has is defined below:

- The presence of one indicator moves the project implementation timeframe up one tier sooner (e.g., from long-term to mid-term).
- The presence of both indicators automatically moves the project implementation timeframe to the short-term tier.

This prioritization framework ensures that limited resources are directed first toward locations with the greatest potential for safety improvements and/or to areas with the highest public and social demand for safety improvements. Actual implementation timing may depend on available resources/funding, coordination with other projects, and is subject to the action of the implementing agency. **Attachment 3** provides the list of recommended safety projects prioritized by the recommended implementation timeline.

# List of Attachments:

1. Recommended Safety Projects Prioritized by Risk
2. Recommended Safety Projects Prioritized by Cost per Weighted Risk
3. Recommended Safety Projects Prioritized by Implementation Timeline

# Attachment 1: Recommended Safety Projects Prioritized by Risk

# Safety Emphasis Area 1 (Segments)

## Rural Two-Lane Undivided Roads

## With AADT Less Than 5,000

**(Roads on the Functional Classification System)**

| Road Name | State | County | Municipality | Speed Limit (mph) | Number of KAB Crashes | Length (miles) | AADT | Total Stars | High Social Vulnerability Index Location | Public Input Hotspot Location | Edgeline and/or Centerline Marking Improvement | Shoulder Rumble Strips | Centerline Rumble Strips | Provide 3 ft Shoulder | Widen Shoulder to 3 ft | Safety Edge | Improve Side Slopes | Clear Zone Maintenance | Install Barrier to Delineate Fixed Object | Install Barrier for Non-Recoverable Slopes | See Curves Recommendations (# Of Curves in Segment) | Project Cost Estimate (No Overlap with Curves) | Project Cost Estimate (Including Costs for Curves) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S Chicago Ave | Wisconsin | Douglas | Village of Oliver | 45 | 3 | 1.3 | 2300 | ★★★★½ | | | X | X | X | X | | X | | X or | X or | | 3 | $ 472,000 | $ 747,000 |
| Ryan Rd | Minnesota | Saint Louis | Duluth Township | 50 | 0 | 0.3 | 364 | ★★★★★ | | | X | X | X | X | | X | | X or | X or | | 1 | $ 151,000 | $ 169,000 |
| CTH A | Wisconsin | Douglas | Superior Township | 40 | 0 | 1.3 | 730 | ★★★★½ | | | X | | X | | | | | X or | X or | | 2 | $ 154,000 | $ 274,000 |
| CTH K | Wisconsin | Douglas | Parkland Township | 55 | 1 | 1.8 | 1200 | ★★★★½ | | | X | X | X | | X | X | | | | | 0 | $ 556,000 | $ 556,000 |
| Becks Rd | Minnesota | Saint Louis | Midway Township | 55 | 1 | 1.1 | 670 | ★★★★½ | | | X | X | X | | X | X | | X | | X | 2 | $ 417,000 | $ 581,000 |
| Lester River Rd | Minnesota | Saint Louis | Lakewood Township | 45 | 0 | 3.6 | 2000 | ★★★★½ | | | X | | X | | | | | | X | | 7 | $ 788,000 | $ 1,036,000 |
| CTH 8 | Minnesota | Saint Louis | Grand Lake Township | 30 | 0 | 0.8 | 120 | ★★★★ | | | Segment Not Evaluated - Gravel Road | | | | | | | | | | N/A | $ - | $ - |
| Swan Lake Rd | Minnesota | Saint Louis | City of Duluth | 30 | 0 | 1.2 | 3000 | ★★★★ | ★ | | X | | | | | | | X or | X or | | 2 | $ 125,000 | $ 130,000 |
| Occidental Blvd | Minnesota | Saint Louis | City of Duluth | 30 | 0 | 0.4 | 348 | ★★★★ | | | X | | | | | | | | X | | 2 | $ 129,000 | $ 136,000 |
| CTH A | Wisconsin | Douglas | Superior Township | 55 | 0 | 0.7 | 970 | ★★★★ | | | X | | X | | | | | | X | | 1 | $ 142,000 | $ 183,000 |
| Saginaw Rd | Minnesota | Saint Louis | Solway Township | 55 | 0 | 0.4 | 225 | ★★★★ | | | X | X | X | X | | X | | | | | 2 | $ 177,000 | $ 185,000 |
| CTH U | Wisconsin | Douglas | Lakeside Township | 30 | 0 | 0.9 | 90 | ★★★★ | | | X | | | | | | X or | | | X or | 5 | $ 214,000 | $ 462,000 |
| E Skyline Pkwy | Minnesota | Saint Louis | City of Duluth | 40 | 0 | 0.7 | 1450 | ★★★★ | | ★ | X | X | X | X | | X | | | X | X | 3 | $ 460,000 | $ 475,000 |
| Ryan Rd | Minnesota | Saint Louis | Duluth Township | 55 | 0 | 0.2 | 364 | ★★★★ | | | X | X | X | X | | X | | | | | 2 | $ 89,000 | $ 480,000 |
| Hermantown Rd | Minnesota | Saint Louis | City of Hermantown | 55 | 0 | 1.0 | 2800 | ★★★★ | | | X | X | X | X | | X | | X or | X or | | 2 | $ 549,000 | $ 573,000 |
| Seven Bridges Rd | Minnesota | Saint Louis | City of Duluth | 45 | 1 | 1.4 | 348 | ★★★★ | | | X | | | | | | | | X | X | 16 | $ 537,000 | $ 617,000 |
| W Skyline Pkwy | Minnesota | Saint Louis | City of Duluth | 30 | 3 | 1.7 | 1580 | ★★★★ | | ★ | X | | | | | | | X or | X or | X | 6 | $ 710,000 | $ 758,000 |
| CTH C | Wisconsin | Douglas | Parkland Township | 30 | 1 | 4.0 | 1000 | ★★★★ | | | X | X | X | | X | X | | | | | 0 | $ 1,211,000 | $ 1,211,000 |
| W Skyline | Minnesota | Saint Louis | Midway Township | 30 | 0 | 0.5 | 680 | ★★★½ | | | Segment Not Evaluated - Gravel Road | | | | | | | | | | N/A | $ - | $ 5,000 |
| Lavaque Rd | Minnesota | Saint Louis | City of Hermantown | 45 | 2 | 0.7 | 3500 | ★★★½ | | | X | X | X | | | | | | | | N/A | $ 48,000 | $ 48,000 |
| Schultz Rd | Minnesota | Saint Louis | City of Rice Lake | 55 | 0 | 1.0 | 115 | ★★★½ | | | X | | X | | | | | | | | 0 | $ 59,000 | $ 59,000 |
| Morris Thomas Rd | Minnesota | Saint Louis | City of Hermantown | 55 | 1 | 1.7 | 2200 | ★★★½ | | | X | X | X | | | | | | | | N/A | $ 111,000 | $ 111,000 |
| Schultz Rd | Minnesota | Saint Louis | City of Rice Lake | 55 | 0 | 2.0 | 170 | ★★★½ | | | X | | X | | | | | | | | 0 | $ 116,000 | $ 116,000 |
| Swan Lake Rd | Minnesota | Saint Louis | City of Hermantown | 55 | 0 | 0.7 | 1400 | ★★★½ | ★ | | X | X | X | X | | X | | X or | X or | | 1 | $ 325,000 | $ 404,000 |
| CTH E | Wisconsin | Douglas | Parkland Township | 55 | 0 | 1.0 | 2000 | ★★★½ | | | X | X | X | X | | X | | X | X | | 0 | $ 459,000 | $ 459,000 |
| CTH K | Wisconsin | Douglas | Parkland Township | 55 | 1 | 2.5 | 850 | ★★★½ | | | X | X | X | | X | X | | | | | 0 | $ 753,000 | $ 753,000 |
| W Skyline Pkwy | Minnesota | Saint Louis | City of Proctor | 30 | 0 | 1.8 | 680 | ★★★½ | | | X | | | | | | | | X | X | 11 | $ 793,000 | $ 852,000 |
| CTH D | Wisconsin | Douglas | Lakeside Township | 55 | 0 | 2.5 | 1400 | ★★★½ | | | X | X | X | | X | X | | X or | X or | | N/A | $ 850,000 | $ 850,000 |
| W Calvary Rd | Minnesota | Saint Louis | City of Rice Lake | 55 | 1 | 2.0 | 1650 | ★★★½ | | | X | X | X | X | | X | | X or | X or | | N/A | $ 923,000 | $ 923,000 |
| CTH C | Wisconsin | Douglas | Parkland Township | 55 | 0 | 2.7 | 750 | ★★★½ | | | X | X | X | X | | X | | X | X | | N/A | $ 1,334,000 | $ 1,334,000 |
| CTH W | Wisconsin | Douglas | Superior Township | 30 | 0 | 3.7 | 270 | ★★★½ | | | X | X | X | X | | X | | X or | X or | | N/A | $ 1,590,000 | $ 1,719,000 |

# Safety Emphasis Area 1 (Curves)

## Rural Two-Lane Undivided Roads

## With AADT Less Than 5,000

**(Roads on the Functional Classification System)**

| Road Name | State | County | Municipality | Lat/Long | Speed Limit (mph) | Curve Advisory Speed (mph) | Length (miles) | AADT | Total Stars | High Social Vulnerability Index Location | Public Input Hotspot Location | Curve Overlaps with a Tier 1 Segment? | Curve Overlaps with a Tier 2 Segment? | Edgeline and/or Centerline Marking Improvement | High Friction Surface Treatment | Re-evaluate Curve Signing | Install Chevrons | Install Night Arrows | Upgrade to Fluorescent Signs | Install In-lane Curve Warning Pavement Markings | Shoulder Rumble Strips | Centerline Rumble Strips | Provide 3 ft Shoulder | Widen Shoulder to 3 ft | Safety Edge | Improve Side Slopes | Clear Zone Maintenance | Install Barrier to Delineate Fixed Object | Install Barrier for Non-Recoverable Slopes | Install Flashing Beacons with Warning 'Stop Ahead' Signs | Realign Intersection to Correct Visual Trap | Reconstruct Triangle Intersection | Project Cost Estimate (No Overlap with Segments) | Project Cost Estimate (Assumes Standalone Projects for Each Curve) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CTH C | Wisconsin | Douglas | Superior Township | 46°35'25.04"N, 92° 7'58.90"W | 55 | 15 | 3.7 | 430 | ★★★★ | | | N | N | X | X | X | X | | X | X | X | | X | | X | | | | | | | X | $ 214,000 | $ 214,000 |
| TH 39/E McCuen St | Minnesota | Saint Louis | City of Duluth | 46°39'22.28"N, 92°12'30.51"W | 35 | 25 | 0.6 | 2300 | ★★★ ½ | | | N | N | X | | | | X | X | | | | | | | | | | | | | | $ 7,000 | $ 7,000 |
| CTH 8 | Minnesota | Saint Louis | Grand Lake Township | 46°55'24.22"N, 92°24'46.07"W | 55 | No Posting | 0.8 | 120 | ★★★ ½ | | | N | N | Dirt/gravel road | | | | | | | | | | | | | | | | X | | | $ 18,000 | $ 18,000 |
| Ryan Rd | Minnesota | Saint Louis | Duluth Township | 46°57'22.91"N, 91°53'59.42"W | 55 | 30 | 1.3 | 380 | ★★★ ½ | | | N | N | X | | X | | X | X | X | X | X | | X | X | | | | | | | X | $ 100,000 | $ 100,000 |
| W Tischer Rd | Minnesota | Saint Louis | Lakewood Township | 46°52'49.13"N, 92° 0'19.37"W | 40 | 20 | 2.0 | 870 | ★★★ ½ | | | N | N | X | | X | X | | X | X | X | | | X | X | X or | | | X or | | X | | $ 274,000 | $ 274,000 |
| Ryan Rd | Minnesota | Saint Louis | Duluth Township | 46°54'11.29"N, 91°54'12.54"W | 55 | 15 | 0.3 | 364 | ★★★ ½ | | | Y | N | X | | X | | X | X | X | | | | X | X | | X or | X or | | | X | | $ 251,000 | $ 278,039 |
| Occidental Blvd | Minnesota | Saint Louis | City of Duluth | 46°50'38.96"N, 92° 0'37.28"W | 30 | 20 | 0.4 | 348 | ★★★ | | | Y | N | X | | | X | | X | | | | | | | | | | | | | | $ 3,000 | $ 4,423 |
| CTH W | Wisconsin | Douglas | Superior Township | 46°33'7.90"N, 92°14'49.97"W | 55 | No Posting | 3.7 | 270 | ★★★ | | | N | N | Dirt/gravel road | | X | X | X | | | | | | | | | | | | | | | $ 5,000 | $ 5,000 |
| Maple Grove Rd | Minnesota | Saint Louis | Solway Township | 46°48'27.56"N, 92°20'0.41"W | 50 | 25 | 1.1 | 1466 | ★★★ | | | N | N | X | | X | | X | X | X | X | | X | | X | | X | | | | | | $ 38,000 | $ 38,000 |
| E Shilhon Rd | Minnesota | Saint Louis | Duluth Township | 46°57'22.89"N, 91°52'43.28"W | 55 | 25 | 1.0 | 380 | ★★★ | | | N | N | X | | X | | X | X | X | X | | X | | X | | | X | | | | | $ 91,000 | $ 91,000 |
| Ryan Rd | Minnesota | Saint Louis | Duluth Township | 46°54'3.49"N, 91°54'2.98"W | 55 | No Posting | 0.2 | 364 | ★★★ | | | Y | N | X | X | X | X | X | | | X | X | X | | X | | | | X | | | | $ 140,000 | $ 167,328 |
| Becks Rd | Minnesota | Saint Louis | Midway Township | 46°42'15.72"N, 92°17'31.69"W | 50 | 40 | 1.1 | 670 | ★★★ | | | Y | N | X | X | X | | X | X | | X | X | X | X | X | | | X | | | | | $ 141,000 | $ 184,183 |
| Industrial Rd | Minnesota | Saint Louis | Grand Lake Township | 46°53'37.03"N, 92°21'56.59"W | 50 | No Posting | 0.1 | 1000 | ★★★ | | | N | N | X | X | X | X | X | | | X | X | X | | X | | | | | X | | | $ 185,000 | $ 185,000 |
| Munger Shaw Rd | Minnesota | Saint Louis | Grand Lake Township | 46°54'46.80"N, 92°20'38.89"W | 45 | No Posting | 3.4 | 1050 | ★★★ | | | N | N | X | | X | | X | X | | | X | | | | | | | | | X | | $ 240,000 | $ 240,000 |
| CTH C | Wisconsin | Douglas | Superior Township | 46°34'48.28"N, 92°12'6.64"W | 55 | 20 | 3.2 | 430 | ★★★ | | | N | N | X | | X | X | | X | X | X | | X | | X | | | | | | X | | $ 260,000 | $ 260,000 |
| CTH W | Wisconsin | Douglas | Superior Township | 46°33'14.72"N, 92°14'41.78"W | 55 | No Posting | 3.7 | 270 | ★★ ½ | | | N | N | Dirt/gravel road | | X | X | X | | | | | | | | | | | | | | | $ 5,000 | $ 5,000 |
| N 58th St | Wisconsin | Douglas | City of Superior | 46°40'11.71"N, 92° 4'37.88"W | 30 | 15 | 1.0 | 2000 | ★★ ½ | | | N | N | X | | X | | X | X | | | | | | | | | | | | | | $ 7,000 | $ 7,000 |
| W Skyline Pkwy | Minnesota | Saint Louis | City of Duluth | 46°43'30.81"N, 92°13'1.44"W | 30 | 15 | 0.2 | 4150 | ★★ ½ | | | N | N | X | | X | X | | X | | | | | | | | | | | | | | $ 8,000 | $ 8,000 |
| Occidental Blvd | Minnesota | Saint Louis | City of Duluth | 46°50'29.15"N, 92° 0'36.58"W | 30 | 20 | 0.4 | 348 | ★★ ½ | | | Y | N | X | | | X | | | | | | | | | | | | | | | | $ 2,000 | $ 6,999 |
| CTH W | Wisconsin | Douglas | Superior Township | 46°32'43.85"N, 92°14'38.17"W | 55 | 25 | 3.7 | 270 | ★★ ½ | | | N | N | Dirt/gravel road | | X | X | X | | | | | | | | | X | | | | | | $ 14,000 | $ 14,000 |
| N 58th St | Wisconsin | Douglas | City of Superior | 46°40'9.80"N, 92° 4'40.55"W | 30 | 15 | 1.0 | 2000 | ★★ ½ | | | N | N | X | | X | X | | X | | | | | | | | | X | | | | | $ 21,000 | $ 21,000 |
| E Skyline Pkwy | Minnesota | Saint Louis | City of Duluth | 46°48'43.37"N, 92° 5'26.53"W | 30 | 15 | 0.7 | 1450 | ★★ ½ | | ★ | Y | N | X | | X | X | X | | | | | | | | | | X | | | | $ 5,000 | $ 33,132 |
| S Chicago Ave | Wisconsin | Douglas | Village of Oliver | 46°38'42.53"N, 92°11'32.99"W | 55 | 25 | 1.3 | 2300 | ★★ ½ | | | N | Y | X | | X | X | X | | X | | X | | | | | | | X | | | | $ 35,000 | $ 40,824 |
| Becks Rd | Minnesota | Saint Louis | Midway Township | 46°41'56.24"N, 92°16'47.16"W | 50 | No Posting | 1.1 | 670 | ★★ ½ | | | Y | N | X | | X | X | X | | | X | X | | X | X | | | | X | | | | $ 23,000 | $ 41,695 |
| Maple Grove Rd | Minnesota | Saint Louis | Solway Township | 46°48'28.32"N, 92°20'19.68"W | 50 | 25 | 1.1 | 1466 | ★★ ½ | | | N | N | X | | X | | X | X | X | X | | X | | X | | X | | | | | | $ 46,000 | $ 46,000 |
| 42nd Ave | Wisconsin | Douglas | Superior Township | 46°39'29.00"N, 92° 3'59.28"W | 55 | 35 | 0.5 | 970 | ★★ ½ | | | Y | N | X | | X | X | | X | | X | X | | X | X | X | | | | | | | $ 41,000 | $ 46,926 |
| Maple Grove Rd | Minnesota | Saint Louis | Solway Township | 46°48'34.09"N, 92°20'15.47"W | 50 | 25 | 1.1 | 1466 | ★★ ½ | | | N | N | X | | X | | X | X | X | X | X | X | | X | | X | | | | | | $ 47,000 | $ 47,000 |
| H 210/Oldenberg Pkwy | Minnesota | Saint Louis | City of Duluth | 46°40'21.35"N, 92°17'27.23"W | 40 | 25 | 2.0 | 2000 | ★★ ½ | | | N | N | X | | X | X | X | | | X | X | X | | X | | X or | X or | | | | | $ 51,000 | $ 51,000 |
| CTH A | Wisconsin | Douglas | Douglas Township | 46°29'38.66"N, 92° 4'20.00"W | 55 | 35 | 3.3 | 930 | ★★ ½ | | | N | N | X | | X | X | | X | | X | X | X | X | X | | X or | X or | | | | | $ 53,000 | $ 53,000 |
| CTH U | Wisconsin | Douglas | Douglas Township | 46°37'56.39"N, 91°54'41.08"W | 55 | No Posting | 0.9 | 90 | ★★ ½ | | | Y | N | X | | X | X | X | | | X | X | X | X | X | | | | X | | | | $ 38,000 | $ 55,337 |
| St. Louis River Rd | Minnesota | Saint Louis | Midway Township | 46°45'50.88"N, 92°14'59.42"W | 45 | No Posting | 1.5 | 531 | ★★ ½ | | | N | N | X | | X | X | X | | | X | X | | X | X | | | | X | X | | | $ 59,000 | $ 59,000 |
| CTH U | Wisconsin | Douglas | Douglas Township | 46°37'40.46"N, 91°54'21.35"W | 55 | No Posting | 0.9 | 90 | ★★ ½ | | | Y | N | X | | X | X | X | | | X | X | X | X | X | | | | X | | | | $ 41,000 | $ 60,097 |
| Korkki Rd | Minnesota | Saint Louis | Duluth Township | 46°57'48.95"N, 91°52'43.39"W | 55 | 25 | 2.0 | 380 | ★★ ½ | | | N | N | X | | X | | X | X | X | X | | | X | X | X or | | | X or | | | | $ 78,000 | $ 78,000 |
| Swan Lake Rd | Minnesota | Saint Louis | City of Hermantown | 46°49'49.50"N, 92°11'2.04"W | 55 | 30 | 0.7 | 1400 | ★★ ½ | ★ | | N | N | X | | X | X | X | | X | | X | | | | | | X | X | | | | $ 79,000 | $ 79,000 |
| CTH A | Wisconsin | Douglas | Superior Township | 46°37'49.02"N, 92° 3'58.80"W | 55 | 20 | 1.3 | 730 | ★★ ½ | | | Y | N | X | | X | X | | X | | X | X | X | | X | | | | | X | | | $ 72,000 | $ 80,443 |
| CTH W | Wisconsin | Douglas | Superior Township | 46°33'17.08"N, 92°14'27.44"W | 55 | No Posting | 3.7 | 270 | ★★ ½ | | | N | N | X | | X | X | X | | | X | X | | X | X | | | | X | | | | $ 95,000 | $ 95,000 |
| CTH U | Wisconsin | Douglas | Douglas Township | 46°37'55.53"N, 91°54'34.61"W | 55 | No Posting | 0.9 | 90 | ★★ ½ | | | Y | N | X | | X | X | X | | | X | X | X | X | X | | | | X | | | | $ 72,000 | $ 107,618 |
| Caribou Lake Rd | Minnesota | Saint Louis | Grand Lake Township | 46°51'38.82"N, 92°19'21.75"W | 55 | No Posting | 1.2 | 265 | ★★ ½ | | | N | N | X | X | X | X | X | | | X | X | X | | X | | X or | X or | | X | | | $ 211,000 | $ 211,000 |
| S Chicago Ave | Wisconsin | Douglas | Village of Oliver | 46°38'53.05"N, 92°11'52.46"W | 55 | 25 | 1.3 | 2300 | ★★ ½ | | | N | Y | X | | X | X | X | | X | | X | | | | | | | | | X | | $ 233,000 | $ 238,568 |
| W Skyline Pkwy | Minnesota | Saint Louis | City of Duluth | 46°42'53.93"N, 92°13'10.82"W | 30 | No Posting | 1.8 | 680 | ★★ | | | N | Y | X | | X | X | X | | | | | | | | | | | | | | | $ 5,000 | $ 7,731 |
| Hermantown Rd | Minnesota | Saint Louis | City of Hermantown | 46°47'22.30"N, 92°10'31.24"W | 40 | No Posting | 1.0 | 2800 | ★★ | | | Y | N | X | | X | | | | | | | | | | | | | | X | | | $ 19,000 | $ 21,313 |
| W Skyline Pkwy | Minnesota | Saint Louis | City of Duluth | 46°46'43.40"N, 92° 7'15.66"W | 30 | No Posting | 1.7 | 1580 | ★★ | | | Y | N | X | | X | X | X | | | | | | | | | | | X | | | | $ 5,000 | $ 25,536 |
| W Skyline Pkwy | Minnesota | Saint Louis | City of Duluth | 46°46'41.36"N, 92° 7'16.51"W | 30 | No Posting | 1.7 | 1580 | ★★ | | | Y | N | X | | X | X | X | | | | | | | | | | | X | | | | $ 5,000 | $ 27,208 |
| Seven Bridges Rd | Minnesota | Saint Louis | City of Duluth | 46°51'14.71"N, 92° 0'38.94"W | 30 | No Posting | 1.4 | 348 | ★★ | | | Y | N | X | | X | X | X | | | | | | | | | | X | | | | | $ 5,000 | $ 27,660 |
| Lester River Rd | Minnesota | Saint Louis | Lakewood Township | 46°52'39.58"N, 91°59'15.54"W | 45 | No Posting | 3.6 | 2000 | ★★ | | | Y | N | X | | X | X | X | | | X | X | X | | X | | | | X | | | | $ 24,000 | $ 41,424 |
| Minnesota Ave | Minnesota | Saint Louis | City of Duluth | 46°43'41.96"N, 92° 3'8.90"W | 30 | No Posting | 1.0 | 1850 | ★★ | | | N | N | X | | X | X | X | | | | | | | | | | | X | | | | $ 43,000 | $ 43,000 |
| Lester River Rd | Minnesota | Saint Louis | Lakewood Township | 46°52'20.41"N, 91°59'19.06"W | 45 | No Posting | 3.6 | 2000 | ★★ | | | Y | N | X | | X | X | X | | | X | X | X | | X | | | | X | | | | $ 26,000 | $ 45,921 |
| CTH A | Wisconsin | Douglas | Superior Township | 46°38'3.17"N, 92° 4'3.44"W | 55 | 20 | 1.3 | 730 | ★★ | | | Y | N | X | | X | X | X | | X | X | X | | X | X | X or | | | X or | | | | $ 48,000 | $ 52,393 |
| Lester River Rd | Minnesota | Saint Louis | City of Duluth | 46°50'29.00"N, 92° 0'20.38"W | 45 | No Posting | 3.6 | 2000 | ★★ | | | Y | N | X | | X | | | | | X | X | X | | X | | | | | X | | | $ 48,000 | $ 52,809 |
| CTH U | Wisconsin | Douglas | Lakeside Township | 46°37'59.53"N, 91°54'46.40"W | 55 | 20 | 0.9 | 90 | ★★ | | | Y | N | X | | X | X | | X | X | X | | X | X | X | | | | X | | | | $ 68,000 | $ 100,500 |
| CTH W | Wisconsin | Douglas | Superior Township | 46°33'35.00"N, 92°14'30.95"W | 55 | No Posting | 3.7 | 270 | ★ ½ | | | N | Y | Dirt/gravel road | | X | X | X | | | | | | | | | | | | | | | $ 5,000 | $ 5,000 |
| CTH W | Wisconsin | Douglas | Superior Township | 46°32'50.16"N, 92°14'45.21"W | 55 | No Posting | 3.7 | 270 | ★ ½ | | | N | Y | Dirt/gravel road | | X | X | X | | | | | | | | | | | | | | | $ 5,000 | $ 5,000 |
| W Skyline | Minnesota | Saint Louis | Midway Township | 46°41'30.87"N, 92°16'17.07"W | 30 | No Posting | 0.5 | 680 | ★ ½ | | | N | Y | Dirt/gravel road | | X | X | X | | | | | | | | | | | | | | | $ 5,000 | $ 5,000 |
| Seven Bridges Rd | Minnesota | Saint Louis | City of Duluth | 46°51'31.91"N, 92° 0'49.93"W | 30 | No Posting | 1.4 | 348 | ★ ½ | | | Y | N | X | | X | X | X | | | | | | | | | | | | | | | $ 5,000 | $ 6,871 |
| Seven Bridges Rd | Minnesota | Saint Louis | City of Duluth | 46°50'54.58"N, 92° 0'37.47"W | 30 | No Posting | 1.4 | 348 | ★ ½ | | | Y | N | X | | X | X | X | | | | | | | | | | | | | | | $ 5,000 | $ 6,914 |
| Seven Bridges Rd | Minnesota | Saint Louis | City of Duluth | 46°51'37.43"N, 92° 0'50.40"W | 30 | No Posting | 1.4 | 348 | ★ ½ | | | Y | N | X | | X | X | X | | | | | | | | | | | | | | | $ 5,000 | $ 7,131 |
| W Skyline Pkwy | Minnesota | Saint Louis | City of Proctor | 46°43'23.51"N, 92°13'11.14"W | 30 | No Posting | 1.8 | 680 | ★ ½ | | | N | Y | X | | X | X | X | | | | | | | | | | | | | | | $ 5,000 | $ 8,697 |
| W Skyline Pkwy | Minnesota | Saint Louis | City of Proctor | 46°43'22.99"N, 92°13'17.74"W | 30 | No Posting | 1.8 | 680 | ★ ½ | | | N | Y | X | | X | X | X | | | | | | | | | | | | | | | $ 5,000 | $ 9,326 |
| Seven Bridges Rd | Minnesota | Saint Louis | City of Duluth | 46°50'48.29"N, 92° 0'31.15"W | 30 | No Posting | 1.4 | 348 | ★ ½ | | | Y | N | X | | X | X | X | | | | | | | | | | | | | | | $ 5,000 | $ 9,850 |
| Swan Lake Rd | Minnesota | Saint Louis | City of Duluth | 46°49'14.32"N, 92° 8'59.53"W | 30 | No Posting | 1.2 | 3000 | ★ ½ | ★ | | Y | N | X | | X | X | X | | | | | | | | | | | | | | | $ 5,000 | $ 10,311 |
| W Skyline Pkwy | Minnesota | Saint Louis | City of Proctor | 46°43'17.59"N, 92°13'10.82"W | 30 | No Posting | 1.8 | 680 | ★ ½ | | | N | Y | X | | X | X | X | | | | | | | | | X | | | | | | $ 9,000 | $ 12,360 |
| Seven Bridges Rd | Minnesota | Saint Louis | City of Duluth | 46°51'37.71"N, 92° 0'53.23"W | 30 | No Posting | 1.4 | 348 | ★ ½ | | | Y | N | X | | X | X | X | | | | | | | | | | X | | | | | $ 5,000 | $ 12,586 |
| Seven Bridges Rd | Minnesota | Saint Louis | City of Duluth | 46°51'38.94"N, 92° 0'53.12"W | 30 | No Posting | 1.4 | 348 | ★ ½ | | | Y | N | X | | X | X | X | | | | | | | | | | X | | | | | $ 5,000 | $ 13,300 |
| Seven Bridges Rd | Minnesota | Saint Louis | City of Duluth | 46°50'39.74"N, 92° 0'36.34"W | 30 | No Posting | 1.4 | 348 | ★ ½ | | | Y | N | X | | X | X | X | | | | | | | | | | X | | | | | $ 5,000 | $ 14,549 |
| W Skyline Pkwy | Minnesota | Saint Louis | City of Duluth | 46°42'57.02"N, 92°13'20.75"W | 30 | No Posting | 1.8 | 680 | ★ ½ | | | N | Y | X | | X | X | X | | | | | | | | | | | | | | | $ 5,000 | $ 14,927 |
| Seven Bridges Rd | Minnesota | Saint Louis | City of Duluth | 46°51'33.51"N, 92° 0'49.84"W | 30 | No Posting | 1.4 | 348 | ★ ½ | | | Y | N | X | | X | X | X | | | | | | | | | | X | | | | | $ 5,000 | $ 15,270 |
| Seven Bridges Rd | Minnesota | Saint Louis | City of Duluth | 46°51'34.99"N, 92° 0'51.90"W | 30 | No Posting | 1.4 | 348 | ★ ½ | | | Y | N | X | | X | X | X | | | | | | | | | | X | | | | | $ 5,000 | $ 19,205 |
| Ryan Rd | Minnesota | Saint Louis | Duluth Township | 46°54'1.71"N, 91°53'51.94"W | 30 | No Posting | 0.3 | 364 | ★ ½ | | | Y | N | X | | | | | | | | | | | | | | | | X | | | $ 18,000 | $ 20,351 |
| Seven Bridges Rd | Minnesota | Saint Louis | City of Duluth | 46°51'2.51"N, 92° 0'43.88"W | 30 | No Posting | 1.4 | 348 | ★ ½ | | | Y | N | X | | X | X | X | | | | | | | | | | X | | | | | $ 5,000 | $ 22,320 |
| Seven Bridges Rd | Minnesota | Saint Louis | City of Duluth | 46°51'28.76"N, 92° 0'46.21"W | 30 | No Posting | 1.4 | 348 | ★ ½ | | | Y | N | X | | X | X | X | | | | | | | | | | X | | | | | $ 5,000 | $ 22,893 |
| E Skyline Pkwy | Minnesota | Saint Louis | City of Duluth | 46°48'30.26"N, 92° 5'37.26"W | 30 | No Posting | 0.7 | 1450 | ★ ½ | | ★ | Y | N | X | | X | X | X | | | | | | | | | | | X | | | $ 5,000 | $ 23,081 |
| Seven Bridges Rd | Minnesota | Saint Louis | City of Duluth | 46°51'16.37"N, 92° 0'45.02"W | 30 | No Posting | 1.4 | 348 | ★ ½ | | | Y | N | X | | X | X | X | | | | | | | | | | X | | | | | $ 5,000 | $ 23,534 |
| Seven Bridges Rd | Minnesota | Saint Louis | City of Duluth | 46°51'22.24"N, 92° 0'48.34"W | 30 | No Posting | 1.4 | 348 | ★ ½ | | | Y | N | X | | X | X | X | | | | | | | | | | X | | | | | $ 5,000 | $ 25,501 |
| W Skyline Pkwy | Minnesota | Saint Louis | City of Duluth | 46°46'43.44"N, 92° 7'23.31"W | 30 | No Posting | 1.7 | 1580 | ★ ½ | | | Y | N | X | | X | X | X | | | | | | | | | | | | X | | | $ 23,000 | $ 25,790 |
| Seven Bridges Rd | Minnesota | Saint Louis | City of Duluth | 46°50'55.05"N, 92° 0'41.71"W | 30 | No Posting | 1.4 | 348 | ★ ½ | | | Y | N | X | | X | X | X | | | | | | | | | | X | | | | | $ 5,000 | $ 27,937 |
| E Skyline Pkwy | Minnesota | Saint Louis | City of Duluth | 46°48'20.68"N, 92° 5'50.85"W | 30 | No Posting | 0.7 | 1450 | ★ ½ | | | Y | N | X | | X | X | X | | | | | | | | | | | X | | | | $ 5,000 | $ 28,605 |
| W Skyline Pkwy | Minnesota | Saint Louis | City of Duluth | 46°43'10.53"N, 92°13'11.58"W | 30 | No Posting | 1.8 | 680 | ★ ½ | | | N | Y | X | | X | X | X | | | | | | | | | | | X | | | | $ 5,000 | $ 32,279 |
| Seven Bridges Rd | Minnesota | Saint Louis | City of Duluth | 46°50'44.50"N, 92° 0'37.97"W | 30 | No Posting | 1.4 | 348 | ★ ½ | | | Y | N | X | | X | X | X | | | | | | | | | | X | | | | | $ 5,000 | $ 33,863 |
| W Skyline Pkwy | Minnesota | Saint Louis | City of Duluth | 46°42'21.20"N, 92°13'21.94"W | 30 | No Posting | 1.8 | 680 | ★ ½ | | | N | Y | X | | X | X | X | | | | | | | | | | X | | | | | $ 5,000 | $ 35,859 |
| W Skyline Pkwy | Minnesota | Saint Louis | City of Duluth | 46°43'13.88"N, 92°13'6.31"W | 30 | No Posting | 1.8 | 680 | ★ ½ | | | N | Y | X | | X | X | X | | | | | | | | | | | X | | | | $ 5,000 | $ 47,214 |
| Skyline Pkwy | Minnesota | Saint Louis | City of Duluth | 46°42'1.05"N, 92°13'38.55"W | 30 | No Posting | 3.5 | 680 | ★ ½ | | | N | Y | X | | X | X | X | | | | | | | | | | X | | | | | $ 5,000 | $ 49,618 |
| W Skyline Pkwy | Minnesota | Saint Louis | City of Duluth | 46°46'24.45"N, 92° 7'38.55"W | 30 | No Posting | 1.7 | 1580 | ★ ½ | ★ | ★ | Y | N | X | | X | X | X | | | | | | | | | | | X | | | | $ 5,000 | $ 54,203 |
| W Skyline Pkwy | Minnesota | Saint Louis | City of Duluth | 46°42'12.21"N, 92°13'17.02"W | 30 | No Posting | 1.8 | 680 | ★ ½ | | | N | Y | X | | X | X | X | | | | | | | | | | X | | | | | $ 5,000 | $ 62,941 |
| Saginaw Rd | Minnesota | Saint Louis | Solway Township | 46°51'4.46"N, 92°25'35.71"W | 40 | No Posting | 0.4 | 225 | ★ ½ | | | Y | N | X | | X | | X | X | | X | X | X | | X | | | | | | | | $ 4,000 | $ 64,305 |
| S Chicago Ave | Wisconsin | Douglas | Village of Oliver | 46°38'45.85"N, 92°11'45.41"W | 55 | | 1.3 | 2300 | ★★ ½ | | | N | Y | X | | | X | X | | X | X | X | X | | X | | | | | | | | $ 7,000 | $ 72,841 |
| Swan Lake Rd | Minnesota | Saint Louis | City of Duluth | 46°48'49.96"N, 92° 8'39.11"W | 30 | No Posting | 1.2 | 3000 | ★ | ★ | | Y | N | Urban Curve | | | | | | | | | | | | | | | | | | | $ - | $ - |
| Hermantown Rd | Minnesota | Saint Louis | City of Hermantown | 46°47'22.55"N, 92°10'44.21"W | 40 | No Posting | 1.0 | 2800 | ★ | | | Y | N | X | | X | X | X | | | | | | | | | X or | | X or | | | | $ 5,000 | $ 9,563 |
| W Skyline Pkwy | Minnesota | Saint Louis | City of Duluth | 46°46'27.20"N, 92° 7'25.88"W | 30 | No Posting | 1.7 | 1580 | ★ | ★ | | Y | N | X | | X | X | X | | | | | | | | | | | X | | | | $ 5,000 | $ 19,671 |
| W Skyline Pkwy | Minnesota | Saint Louis | City of Duluth | 46°43'5.93"N, 92°13'12.19"W | 30 | No Posting | 1.8 | 680 | ★ | | | N | Y | X | | X | X | X | | | | | | | | | | | X | | | | $ 5,000 | $ 28,407 |
| Lester River Rd | Minnesota | Saint Louis | Lakewood Township | 46°52'26.14"N, 91°59'19.72"W | 45 | No Posting | 3.6 | 2000 | ★ | | | Y | N | X | | X | X | X | | | X | X | X | | X | | | | X | | | | $ 20,000 | $ 33,392 |

# Safety Emphasis Area 1 (Curves)

## Rural Two-Lane Undivided Roads

## With AADT Less Than 5,000

**(Roads on the Functional Classification System)**

| Road Name | State | County | Municipality | Lat/Long | Speed Limit (mph) | Curve Advisory Speed (mph) | Length (miles) | AADT | Total Stars | High Social Vulnerability Index Location | Public Input Hotspot Location | Curve Overlaps with a Tier 1 Segment? | Curve Overlaps with a Tier 2 Segment? | Edgeline and/or Centerline Marking Improvement | High Friction Surface Treatment | Re-evaluate Curve Signing | Install Chevrons | Install Night Arrows | Upgrade to Fluorescent Signs | Install In-lane Curve Warning Pavement Markings | Shoulder Rumble Strips | Centerline Rumble Strips | Provide 3 ft Shoulder | Widen Shoulder to 3 ft | Safety Edge | Improve Side Slopes | Clear Zone Maintenance | Install Barrier to Delineate Fixed Object | Install Barrier for Non-Recoverable Slopes | Install Flashing Beacons with Warning 'Stop Ahead' Signs | Realign Intersection to Correct Visual Trap | Reconstruct Triangle Intersection | Project Cost Estimate (No Overlap with Segments) | Project Cost Estimate (Assumes Standalone Projects for Each Curve) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CTH U | Wisconsin | Douglas | Lakeside Township | 46°37'41.57"N, 91°54'24.91"W | 55 | No Posting | 0.9 | 90 | ★ | | | Y | N | X | | X | X | X | | | X | | X | | X | | | X | | | | $ 29,000 | $ 50,947 |
| Saginaw Rd | Minnesota | Saint Louis | Solway Township | 46°50'55.58"N, 92°25'26.71"W | 40 | No Posting | 0.4 | 225 | ★ | | | Y | N | X | | X | | X | X | | X | X | X | | X | | | | | | | $ 4,000 | $ 65,650 |
| Lester River Rd | Minnesota | Saint Louis | City of Duluth | 46°50'48.98"N, 92° 0'9.51"W | 45 | No Posting | 3.6 | 2000 | ★ | | | Y | N | X | | X | X | X | | | X | X | X | | X | | | X | | | | $ 42,000 | $ 76,711 |
| Lester River Rd | Minnesota | Saint Louis | City of Duluth | 46°51'23.60"N, 91°59'57.11"W | 45 | No Posting | 3.6 | 2000 | ★ | | | Y | N | X | | X | X | X | | | X | X | X | | X | | | X | | | | $ 42,000 | $ 76,782 |
| Lester River Rd | Minnesota | Saint Louis | Lakewood Township | 46°52'50.82"N, 91°59'3.15"W | 45 | No Posting | 3.6 | 2000 | ★ | | | Y | N | X | | X | X | X | | | X | X | X | | X | | | X | | | | $ 46,000 | $ 84,695 |
| W Skyline Pkwy | Minnesota | Saint Louis | City of Duluth | 46°46'27.18"N, 92° 7'29.74"W | 30 | No Posting | 1.7 | 1580 | ★ | | | Y | N | X | | X | X | X | | | X | X | | X | X | | | X | X | | | $ 5,000 | $ 66,171 |

# Safety Emphasis Area 2

## Urban Intersections - Side Road Stop Control
## Angle Crashes

| Road Name | Lat/Long | Municipality | Traffic Control | Total Stars | High Social Vulnerability Index Location | Public Input Hotspot Location | Number of Angle KAB Crashes | Conduct a Traffic Study | Remove Vegetation or Obstructions to Improve Stop Sign Visibility | Restrict Parking Near the Intersection | Install Retroreflective Strips on Stop Sign Posts | Install Flashing Beacons with Warning 'Stop Ahead' Signs | Install Left Turn Lanes | Reduce Lane Widths and Install Left Turn Lanes | Complete a Road Diet Evaluation | Consider Installing Right Turn Lanes | Remove Obstructions to Increase Intersection Sight Distance | Install Pedestrian Curb Extensions | Extend Median Through Crosswalk | Install High-Visibility Crosswalk | Left Turn Calming | Reduce Lane Widths and Install Median | Install Raised Crosswalk | Install Raised Intersection | Install Stop Bar Pavement Markings on Side Road Approaches | Evaluate Suitability of Existing Lighting System | Install Intersection Lighting | Project Cost Estimate |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| E 2nd St - Hwy 53/2, E 2nd St - Hwy 53/2, E 3rd St | 46.67769,-92.01047 | City of Superior | 2-Way Stop | ★★★★★ ↓ | | | 1 | X | | | | X | | | | X | X | | | X | | X | X or | X or | X | X | | $ 3,725,000 |
| Midway Rd, Old Miller Trunk Hwy | 46.853476,-92.280423 | Canosia Township | 2-Way Stop | ★★★★★ | | | 1 | X | | | X | | | | | | X | | | | X | | | | X | | X | $ 160,000 |
| E 2nd St - Hwy 53/2, 31st Ave E, E 2nd St - Hwy 53/2 | 46.697325,-92.035494 | City of Superior | 2-Way Stop | ★★★★★ | | | 1 | X | | | | | | | | X | | | | X | | X | | | X | X | | $ 3,562,000 |
| Railroad St, Railroad St, Harbor Dr | 46.783758,-92.098405 | City of Duluth | 2-Way Stop | ★★★★ ↓ | ★ | | 0 | | | | X | X | | | | X | | | | | | | X | | | X | | $ 472,000 |
| Rice Lake Rd, Rice Lake Rd, E Skyline Pkwy | 46.796809,-92.107038 | City of Duluth | 1-Way Stop | ★★★★ ↓ | | ★ | 0 | X | | | X | | | | | | | | | | | | X | | X | X | | $ 484,000 |
| TH23/Grand Ave, S 63rd Ave W | 46.733143,-92.177404 | City of Duluth | 2-Way Stop | ★★★★ ↓ | | | 0 | | | X | X | | | | | X | | | | | X or | X or | X or | X or | X | X | | $ 1,131,000 |
| Highway 53, E St | 46.725675,-92.073523 | City of Superior | 2-Way Stop | ★★★★ ↓ | ★ | | 0 | | | | | | X | | X | X | | | | | | | X or | X or | X | X | X | $ 1,931,000 |
| E 2nd St - Hwy 53/2, E 2nd St - Hwy 53/2, 23rd Ave E | 46.705584,-92.046012 | City of Superior | 2-Way Stop | ★★★★ | | | 0 | | | | | | | | | | X | | X | X | | X | X or | X or | | X | | $ 322,000 |
| Hammond Ave, Broadway St, Hammond Ave | 46.726591,-92.097838 | City of Superior | 2-Way Stop | ★★★★ | ★ | | 1 | X | | X | X | | | | | | | X | | X | X or | X or | X or | X or | | X | | $ 501,000 |
| Tower Ave, Tower Ave, N 34th St, N 34th St | 46.698911,-92.104079 | City of Superior | 2-Way Stop | ★★★★ | | | 0 | | | | X | | | | | X | | X | | X | | | X or | X or | | X | | $ 648,000 |
| E 2nd St - Hwy 53/2, Marina Dr, E 2nd St - Hwy 53/2 | 46.718679,-92.063054 | City of Superior | 2-Way Stop | ★★★★ | | | 0 | | X | | X | X | | | | X | X | | X | X | | | X or | X | | X | | $ 693,000 |
| Tower Ave, Tower Ave, N 16th St | 46.719309,-92.103964 | City of Superior | 2-Way Stop | ★★★★ | | | 0 | X | | | X | | | | | | | X | | X | | X | X or | X or | | X | | $ 727,000 |
| Belknap St, E 5th St, E 5th St, Belknap St | 46.72148,-92.073535 | City of Superior | 2-Way Stop | ★★★★ | ★ | | 0 | | | | X | X | | | | X | | | | | | X | | | | X | | $ 1,025,000 |
| Tower Ave, N 40th St | 46.6917,-92.104146 | City of Superior | 2-Way Stop | ★★★★ | | | 0 | | | | | | | | | X | | X | X | X | | | X or | X or | | X | | $ 1,185,000 |
| Skyline Pkwy, TH 194/Mesaba Ave, E 9th St, Mesaba Ave | 46.793681,-92.10707 | City of Duluth | 2-Way Stop | ★★★★ | ★ | ★ | 0 | | X | | X | | X | | | X | | | | | | | | | X | X | | $ 1,213,000 |
| 4th St, TH 194/Mesaba Ave | 46.785267,-92.10836 | City of Duluth | 2-Way Stop | ★★★★ | ★ | | 0 | | X | X | X | | X | | | X | X | | | | | | | | X | X | | $ 1,215,000 |
| E Superior St, N 14th Ave E, S 14th Ave E, E Superior St | 46.800315,-92.08077 | City of Duluth | 2-Way Stop | ★★★★ | | | 1 | X | | X | X | | | | | X | X | X | | X | X | | X or | X or | | | X | $ 2,629,000 |
| E Superior St, 47th Ave E, 47th Ave E | 46.82925,-92.029228 | City of Duluth | 2-Way Stop | ★★★★ | | | 0 | X | | X | X | | | | | X | | | | | X | | X or | X or | | X | | $ 3,482,000 |
| W Michigan St, W Superior St, W Michigan St | 46.773974,-92.113991 | City of Duluth | 1-Way Stop | ★★★ ↓ | | | 0 | | | | X | | | | | | | | | | | | | | | X | | $ 4,000 |
| Woodland Ave, W Redwing St | 46.850022,-92.081848 | City of Duluth | 2-Way Stop | ★★★ ↓ | | | 0 | | | | X | | | | | | X | | | X | X or | X or | | | | X | | $ 238,000 |
| Highway 53, Catlin Ave | 46.733377,-92.087412 | City of Superior | 1-Way Stop | ★★★ ↓ | ★ | | 0 | | | X | X | | | | X | | | | | | | | | | X | X | | $ 308,000 |
| Tower Ave, N 58th St, Tower Ave | 46.669482,-92.104311 | City of Superior | 2-Way Stop | ★★★ ↓ | | | 0 | | | X | X | | | | | | | | | X | X or | X or | X or | X or | | X | | $ 353,000 |
| Woodland Ave, Woodland Ave | 46.810829,-92.078289 | City of Duluth | 2-Way Stop | ★★★ ↓ | | | 0 | | X | | X | | | | | | X | | | X | X or | X or | X or | X or | | X | | $ 365,000 |
| Highway 53, Grand Ave, Grand Ave | 46.733759,-92.093319 | City of Superior | 2-Way Stop | ★★★ ↓ | ★ | | 0 | | | X | X | | | | X | | | | | | | X | | | X | X | | $ 413,000 |
| N 6th Ave E, E 7th St | 46.797353,-92.098371 | City of Duluth | 2-Way Stop | ★★★ ↓ | | | 0 | | | | X | | | | X | | | | | | X or | X or | X or | X or | X | X | | $ 629,000 |
| Tower Ave, N 56th St, Tower Ave | 46.672224,-92.104293 | City of Superior | 2-Way Stop | ★★★ ↓ | | | 0 | | | | X | | | | | X | X | X | | X | X or | X or | X or | X | | X | | $ 858,000 |
| N 12th St, N 12th St, Tower Ave, Tower Ave | 46.724274,-92.103911 | City of Duluth | 2-Way Stop | ★★★ ↓ | ★ | | 1 | X | | | X | | | | | | | | | | | | | | | | | $ 1,549,000 |
| N 21st Ave E, E 1st St | 46.807646,-92.073203 | City of Duluth | 2-Way Stop | ★★★ ↓ | | | 1 | X | | X | X | | | | | | | X | | X | X or | X or | | | X | | | $ 1,880,000 |
| Highland Ave, Vinland St, W SKyline Pkwy, Getchell Rd | 46.750383,-92.187843 | City of Duluth | 2-Way Stop | ★★★ ↓ | | | 1 | X | | | X | X | | | | | | | | | | | | | | | | $ 2,567,000 |
| Crosley Ave, 47th Ave E | 46.841267,-92.029455 | City of Duluth | 2-Way Stop | ★★★ ↓ | | | 1 | X | | X | X | | X | | X | | | | | | | | | | X | | | $ 2,653,000 |
| Tower Ave, Henry Cohen Dr | 46.684543,-92.104201 | City of Superior | 2-Way Stop | ★★★ ↓ | | | 0 | X | | | X | | | | | X | X | X | | X | | X | | | | X | | $ 3,680,000 |
| N 59th Ave W, N 59th Ave W, Cody St, Cody St | 46.741309,-92.171944 | City of Duluth | 2-Way Stop | ★★★ ↓ | | | 3 | X | | X | X | | X | | | X | | X | X | X | | | | | | X | | $ 4,416,000 |
| TH 23/Commonwealth Ave, TH 39/E McCuen St. | 46.657238,-92.226382 | City of Duluth | 2-Way Stop | ★★★ | | | 0 | | | | X | | | | | | X | | | | | | | | X | X | | $ 13,000 |
| Haines Rd, W SKyline Pkwy, Haines Rd | 46.758685,-92.163991 | City of Duluth | 1-Way Stop | ★★★ | | | 0 | | X | | X | | | X | | | | | | | | | | | | | X | $ 41,000 |
| London Rd, S 14th Ave E, London Rd | 46.799193,-92.079391 | City of Duluth | 2-Way Stop | ★★★ | | | 0 | | | | X | | | | | | | X | | X | | | | | | X | | $ 116,000 |
| E Skyline Pkwy, E Skyline Pkwy, E 13th St | 46.801564,-92.104711 | City of Duluth | 1-Way Stop | ★★★ | | | 0 | | | | X | | | X | | | X | | | X | X or | X or | | | X | X | | $ 136,000 |
| E 4th St, N 12th Ave E | 46.801087,-92.087656 | City of Duluth | 2-Way Stop | ★★★ | | | 0 | | | X | X | | | | | | X | | | X | X | | X or | X or | X | X | | $ 167,000 |
| Highway 2, Highway 2, N 2nd Ave | 46.741341,-92.222349 | City of Proctor | 2-Way Stop | ★★★ | | | 0 | | X | X | X | | | X | | | | | | | | X | | | X | X | | $ 224,000 |
| W 4th St, N 3rd Ave W | 46.786766,-92.10627 | City of Duluth | 2-Way Stop | ★★★ | ★ | | 0 | | | X | X | | | | | | X | X | | X | X | | X or | X or | X | X | | $ 267,000 |
| Hammond Ave, N 5th St, Hammond Ave, N 5th St | 46.732539,-92.097857 | City of Superior | 1-Way Stop | ★★★ | ★ | | 0 | | | | X | | | | | | | | X | X | | | X or | X or | X | X | | $ 288,000 |
| E 4th St, N 4th Ave E | 46.793465,-92.097548 | City of Duluth | 2-Way Stop | ★★★ | ★ | | 0 | X | X or | | X | X or | | | | | | X | | X | X | | X or | X or | X | X | | $ 711,000 |
| Highway 53, N 5th St | 46.73254,-92.085315 | City of Superior | 1-Way Stop | ★★★ | ★ | | 0 | | X | | X | | | | X | X | | | | | | | | | | X | | $ 711,000 |
| Glenwood St, Glenwood St, N 43rd Ave E | 46.840383,-92.037093 | City of Duluth | 2-Way Stop | ★★★ | | | 0 | | | | X | | X | | X | | | | | X | X or | X or | | | X | X | | $ 823,000 |
| N 24th Ave W, S 24th Ave W, W Superior St, W Superior St | 46.764095,-92.128014 | City of Duluth | 2-Way Stop | ★★★ | ★ | | 0 | | | X | X | | | | | X | | X | | X | X or | X or | X or | X or | X | X | | $ 1,255,000 |
| E 9th St, 11th Ave E | 46.803465,-92.094328 | City of Duluth | 2-Way Stop | ★★★ | | | 1 | X | | | X | | | | | | | | | X | | | | | X | X | | $ 1,566,000 |
| Rice Lake Rd, Rice Lake Rd, E 13th St | 46.799962,-92.107071 | City of Duluth | 1-Way Stop | ★★★ | | | 1 | X | | | X | | | | | | | | | | | | | | | | X | $ 1,575,000 |
| N 3rd St, N 3rd St | 46.735177,-92.099363 | City of Superior | 2-Way Stop | ★★★ | ★ | | 0 | X | | | X | | X | | | | | | | | | | | | | X | | $ 1,952,000 |
| E 2nd St, N 14th Ave E | 46.801641,-92.08296 | City of Duluth | 2-Way Stop | ★★★ | | | 1 | X | | X | X | | | X | X | | | X | | | | | | | | X | | $ 1,961,000 |
| N 1st St E, E 4th St, N 1st Ave E | 46.790576,-92.10133 | City of Duluth | 2-Way Stop | ★★★ | ★ | | 1 | X | | X | X | | | X | X | | | X | | X | X or | X or | X or | X or | | X | | $ 2,197,000 |
| Broadway St, Broadway St, Ogden Ave, Ogden Ave | 46.726606,-92.102351 | City of Superior | 2-Way Stop | ★★★ | ★ | | 2 | X | | X | X | | | | | X | X | X | | X | X or | X or | X or | X or | | X | | $ 2,789,000 |

# Safety Emphasis Area 3

## Signalized Intersections Along Multi-Lane Arterials

| Signalized Intersection Name | Municipality | Intersection Location (Lat/Long) | Total Stars | High Social Vulnerability Index Location | Public Input Hotspot Location | Conduct Traffic Study | Install Median at Intersection | Reduce Lane Widths and Install Median | Realign Intersection to <20 Deg. Skew | Install FYA Signal Indications | Consider Changing Left Turn Phasing to Prot/Perm or Prot Only | Install Left Turn Lanes | Complete Road Diet Evaluation to Install Left Turn Lanes | Complete Road Diet Evaluation to Install Left Turn Lanes and Medians | Improve Channelized Right Turn Lane Geometry | Improve Left Turn Lane Offset | Add "Prepare to Stop When Flashing Beacons | Install Enforcement Confirmation Lights | Update Corridor Signal Timing to Favor Slower Progression Speeds | Verify & Update Pedestrian Clearance Intervals | Install High-Visibility Crosswalks | Install LPI | Install Pedestrian Countdown Timer Signal Indications | Evaluate Suitability of Existing Lighting System | Install Lighting | Install Retroreflective Signal Head Backplates | Install Traffic Signal Indications Over Each Lane for Mainline | Project Cost Estimate |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MNTH 23 (Grand Ave) & MSAS 108, MUN 153 (Raleigh St) | City of Duluth | 46.731269,-92.180057 | ★★★★★★★★★★ | | ★ | | | X | X | | X | | X | | | | | | | X | | X | | X | | X | | $ 1,840,000 |
| Arrowhead Road and Arlington Ave | City of Duluth | 46.8222412,-92.1323428 | ★★★★★★★★ | ★ | | | | X or | | | X | | | | | | X or | X or | | X | | X | | X | | | | $ 240,000 |
| First Street and 46th Ave W | City of Duluth | 46.744615,-92.1568984 | ★★★★★★★★ | | | | | X or | | X | X | | | X or | | | X or | X or | | X | | X | X | X | | X | X | $ 637,000 |
| 18th Ave E & E 5th St | City of Superior | 46.708897,-92.055627 | ★★★★★★★★ | | | | | X or | | X | X | X or | | X or | | | | | | | | X | X | X | | X | X | $ 883,000 |
| MNTH 23 (Grand Ave) & River West Dr/Warkwick St | City of Duluth | 46.714344,-92.203656 | ★★★★★★★★ | | | | | X or | | | X | | | X or | | | | | | X | | X | | X | | | | $ 929,000 |
| USTH 53 (Miller Trunk Hwy) & CSAH 91 (Haines Rd) | City of Hermantown | 46.814785,-92.174789 | ★★★★★★★★ | ★ | | | | | X | | X | | | | X | X | | | X | X | | X | | X | | X | | $ 1,309,000 |
| USTH 53 (Miller Trunk Hwy) & MSAS 104, CSAH 32 (W Arrowhead Rd) | City of Hermantown | 46.822112,-92.18676 | ★★★★★★★★ | | | X | | | | X | X | | | | X | X | | | X | X | X | X | | X | | X | X | $ 3,153,000 |
| USTH 53 (Miller Trunk Hwy) & CSAH 13 (Midway Rd) | Canosia Township | 46.852995,-92.280403 | ★★★★★★★ ★ | | | | | | | | | | | | X | | X or | X or | | X | X | X | | X | | X | | $ 118,000 |
| USH 2/USH 53 (E 2nd) & 22nd Ave E | City of Superior | 46.706586,-92.047341 | ★★★★★★★ ★ | | | | | X | | | X | | | | | | | | | X | X | X | | X | | X | | $ 232,000 |
| CSAH 9 (4th St) at 6th Ave E | City of Duluth | 46.795357,-92.09511 | ★★★★★★★ ★ | ★ | | | | X or | | X | X | | | X or | | | | | X | X | | X | | X | | X | X | $ 501,000 |
| Superior Street and 27th Ave W | City of Duluth | 46.7613776,-92.1317979 | ★★★★★★★ ★ | ★ | ★ | | | X or | | X | X | | | X or | | | | | X | X | | X | X | X | | X | X | $ 512,000 |
| USTH 53 (Trinity Rd) & CSAH 90 (Arlington Ave) | City of Duluth | 46.78255,-92.138753 | ★★★★★★★ ★ | | | | | X | | X | X | | | | | X | X or | X or | | X | | X | | X | | X | | $ 513,000 |
| USTH 53 (Trinity Rd) & MSAS 198 (Anderson Rd) | City of Duluth | 46.793185,-92.156289 | ★★★★★★★ ★ | | | | | X | | X | X | | | | | X | X or | X or | | X | X | X | | X | | X | | $ 525,000 |
| MNTH 23 (Grand Ave) & MUN 172 (72nd Ave W) | City of Duluth | 46.725327,-92.188433 | ★★★★★★★ ★ | | | | | X or | | | X | | | X or | | | | | | X | | X | | X | | X | | $ 933,000 |
| USH 53 (2nd St) & USH 2 (Belknap St) | City of Superior | 46.722281,-92.068439 | ★★★★★★★ ★ | ★ | | X | | | | | | | | | | X | | | | X | | X | | X | | | | $ 2,897,000 |
| STH 35 (Tower Ave) & N 28th St | City of Superior | 46.706188,-92.104047 | ★★★★★★★ ★ | | | X | | | | X | X | | | | | X | | | | X | X | X | X | X | | X | X | $ 3,095,000 |
| STH 35 (Tower Ave) & N 21st St | City of Superior | 46.713416,-92.103969 | ★★★★★★★ ★ | | | X | | | | X | X | | | | | X | | | | X | X | X | X | X | | X | X | $ 3,095,000 |
| USTH 53 (Miller Trunk Hwy) & CSAH 48 (Lavaque Bypass Rd), MSAS 101 (Ugstad Rd | City of Hermantown | 46.83658,-92.238403 | ★★★★★★★ | | | | | | | | X | | | | | X | X or | X or | X | X | | X | | X | | | | $ 273,000 |
| MNTH 23 (Grand Ave) & MSAS 101 (88th Ave W) | City of Duluth | 46.697136,-92.218051 | ★★★★★★★ | | | | | X or | | | X | | | X or | | | | | | X | | X | | X | | X | | $ 933,000 |
| USTH 53 (Miller Trunk Hwy) & CSAH 17, MSAS 103 (Stebner Rd) | City of Hermantown | 46.827651,-92.195789 | ★★★★★★★ | | | | | | X | X | | | | | X | | | | X | X | | X | | X | | X | | $ 1,094,000 |
| College Street and Kenwood Ave | City of Duluth | 46.8167053,-92.1003188 | ★★★★★★★ | | | X | | | | X | X | | | | | | | | | X | X | X | X | X | | X | X | $ 2,843,000 |
| TH 194 (Central Ent) & MSAS 198, M 535 (Anderson Rd) | City of Duluth | 46.800664,-92.143421 | ★★★★★★★ | | | X | | X | | X | X | | | | | X | X or | X or | X | X | X | X | | X | | X | X | $ 3,293,000 |
| USTH 53 & CSAH 54 (Piedmont Ave) | City of Duluth | 46.775111,-92.143167 | ★★★★★★ ★ | | | | | | | X | X | | | | | | X or | X or | | X | | X | | X | | X | X | $ 194,000 |
| TH 194 (Central Ent) & MSAS 182 (Pecan Ave) | City of Duluth | 46.799477,-92.116405 | ★★★★★★ ★ | | ★ | | | | | | X | | | | X | X | | | X | X | | X | | X | | X | X | $ 464,000 |
| Summit Street and Woodland Ave | City of Duluth | 46.817781,-92.077889 | ★★★★★★ ★ | | ★ | | | X or | | X | X | | | X or | | | | | | X | X | X | | X | | X | | $ 500,000 |
| TH 194 (Mesaba Ave) & MSAS 127 (W 7th St) | City of Duluth | 46.790914,-92.106795 | ★★★★★★ ★ | ★ | | | | | | X | X | | | | X | X | | | X | X | | X | | X | | X | X | $ 575,000 |
| TH 194 & CSAH 4 (Rice Lake Rd) & MSAS 192 (Central Ent) | City of Duluth | 46.795888,-92.107092 | ★★★★★★ ★ | | ★ | | | X | | X | X | | | | X | | X or | X or | | X | | X | | X | | X | X | $ 562,000 |
| Arrowhead Road and Rice Lake Road (CSAH 4) | City of Duluth | 46.822098,-92.12661 | ★★★★★★ ★ | | | X | | X | | | X | | | | X | | | | | X | | X | | X | | | | $ 2,939,000 |
| TH 194 (Central Ent) & MSAS 205, M 494 (Basswood Ave) | City of Duluth | 46.80047,-92.135306 | ★★★★★★ ★ | | | X | | X | | X | X | | | | | | | | X | X | X | X | | X | | X | X | $ 3,041,000 |
| Michigan Street and 27th Ave W | City of Duluth | 46.760847,-92.131133 | ★★★★★★ ★ | ★ | | X | | X or | | X | X | | | X or | | | | | X | X | X | X | X | X | | X | X | $ 3,184,000 |
| US 2 at CSAH 14 (Boundary Ave) | City of Duluth | 46.738127,-92.217107 | ★★★★★★ | | | X | | | | | | | | | | | | X | | | | | | X | | X | | $ 58,000 |
| Grand Ave and 46th Ave W | City of Duluth | 46.7460826,-92.1592956 | ★★★★★★ | | | | | X | | X | X | | | | | | | | | X | X | X | X | X | | X | | $ 280,000 |
| STH 35 (Tower Ave) & N 31st St | City of Superior | 46.70253,-92.104136 | ★★★★★★ | | | | | | | X | X | | | | | X | | | | X | X | X | X | X | | X | X | $ 447,000 |
| STH 35 (Tower Ave) & N 37th St | City of Superior | 46.695397,-92.104127 | ★★★★★★ | | | | | | | X | X | | | | | X | | | | X | X | X | X | X | | X | X | $ 447,000 |
| Clover Street and Woodland Ave | City of Duluth | 46.8157372,-92.0780403 | ★★★★★★ | | | | | X or | | X | X | | | X or | | | | | X | X | X | X | X | X | | X | | $ 520,000 |
| TH 194 (Mesaba Ave) & MSAS 126 (W 3rd St) | City of Duluth | 46.783745,-92.108303 | ★★★★★★ | ★ | | | | | | X | X | X | | | | | | | X | X | | X | | X | | X | | $ 855,000 |
| USTH 53 (Miller Trunk Hwy) & MSAS 107 (Loberg Ave) | City of Hermantown | 46.81906,-92.181777 | ★★★★★★ | | | X | | | | | | | | | X | | | | X | | | | | X | | X | | $ 2,735,000 |
| TH 194 (Central Ent) & CSAH 90 (Arlington Ave) | City of Duluth | 46.800452,-92.13214 | ★★★★★★ | | ★ | X | | X | | X | X | | | | | | | | X | X | | X | | X | | X | X | $ 3,029,000 |
| Railroad Street and Canal Park Dr | City of Duluth | 46.7850637,-92.0950474 | ★★★★★ ★ | ★ | | | | | | | | | | | | | | X | | | | | | X | | X | | $ 10,000 |
| CSAH 9 (Woodland Ave) at W Arrowhead Rd | City of Duluth | 46.825768,-92.071347 | ★★★★★ ★ | | ★ | | | X | | | X | | | | X | | X or | X or | X | X | | X | | X | | | | $ 390,000 |
| USH 2/USH 53 (E 2nd) & 18th Ave E | City of Superior | 46.71075,-92.052616 | ★★★★★ ★ | | | | | | | | | X | | | | X | | | | X | X | X | X | X | | X | | $ 659,000 |
| TH 53 & MSAS 108 (Cirrus Dr), M166 (Sugar Maple Dr) | City of Hermantown | 46.833594,-92.205486 | ★★★★★ ★ | | | X | | | | | | | | | | | | | X | X | X | X | | X | | X | | $ 2,675,000 |
| USH 2/USH 53 (E 2nd) & 39th Ave E | City of Superior | 46.689033,-92.025013 | ★★★★★ ★ | | | X | | X | | | X | | | | | | | | | X | X | X | | X | | X | | $ 2,892,000 |
| USTH 53 (Trinity Rd) & MSAS 209, MUN 1414 (Mall Drive) | City of Duluth | 46.801655,-92.154729 | ★★★★★ ★ | | | X | | | | X | X | | | | | X | | | X | X | | X | | X | | X | | $ 2,936,000 |
| USTH 53 (Trinity Rd) & USTH 194 (Central Ent) | City of Duluth | 46.804291,-92.153721 | ★★★★★ ★ | | | X | | | | | | | | | X | | | | X | X | | X | | X | | X | | $ 2,963,000 |

# Safety Emphasis Area 4

## Urban Intersections
## Bike Ped Crashes

| Road Name | Lat/Long | Municipality | Total Stars | High Social Vulnerability Index Location | Public Input Hotspot Location | High-Severity Crash History (Read Comment) | Conduct a Traffic Study | Install Sidewalk | Install Pedestrian Curb Extensions | Install Median | Reduce Lane Width and Install Median | Install High-Visibility Crosswalks | Left Turn Calming | Extend Median Through Crosswalk | Evaluate Suitability of Existing Lighting System | Install Intersection Lighting | Leading Pedestrian Interval | Install Pedestrian Countdown Timer Signal Indications | Verify/Update Pedestrian Crossing Times | Install RRFB | Install Pedestrian Hybrid Beacon | Install Raised Crosswalk | Install Raised Intersection | Install Bicycle Signal Heads | Bike Box (Two-Stage Turn) | Install Flexible Delineator Posts | Mark Bike Lanes Through Intersection | Use Green Pavement for Bike Lanes | Install Bike Lanes | Reduce Lane Width and Install Bike Lanes | Complete Road Diet Evaluation | Consider Bike Path or Multi-Use Path | Evaluate for Transit Improvements at Nearby Bus Stops | Project Cost Estimate |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Tower Ave, N 28th Ave, N 28th St, Tower Ave | 46.706202,-92.104034 | City of Superior | ★★★★★★★★★ | | | 2 | X | | | | | X | | | X | | X | X | X | | | | | | | | | | | | | | X | $ 2,725,000 |
| N 1st Ave E, S 1st Ave E, E Superior St, E Superior St | 46.787872,-92.09695 | City of Duluth | ★★★★★★★★ | ★ | | 1 | | | | | | | X | | X | | X | | X | | | | | | | | | | | | | | X | $ 54,000 |
| Tower Ave, N 21st St, N 21st St, Tower Ave | 46.71342,-92.104006 | City of Superior | ★★★★★★★★ | | | 1 | | | | | | X | | X | X | | X | X | X | | | | | | | | | | | | | | X | $ 215,000 |
| S Lake Ave, W Superior St, N Lake Ave, E Superior St | 46.786944,-92.098145 | City of Duluth | ★★★★★★★★ | ★ | ★ | 3 | X | | X | | | X | X | | X | | X | X | X | | | | | | | X | | | | | | | X | $ 476,000 |
| N 2nd Ave W, W 2nd St | 46.786435,-92.102837 | City of Duluth | ★★★★★★★★ | ★ | | 1 | X | | | | | X | | | X | | X | X | X | | | | | X | X | X | X | X | | X or | X or | | | $ 612,000 |
| Tower Ave, Tower Ave, N 16th St | 46.719309,-92.103964 | City of Superior | ★★★★★★★★ | | | 1 | X | | X | | X | X | | | X | | | | | X | | X or | X or | | | | | | | | | | X | $ 808,000 |
| E Superior St, S 3rd Ave E, N 3rd Ave E | 46.789807,-92.094437 | City of Duluth | ★★★★★★★ | ★ | | 1 | X | | | | | | X | | X | | X | | X | | | | | | | | | | | | | | X | $ 54,000 |
| E 2nd St - Hwy 53/2, 39th Ave E | 46.68907,-92.024958 | City of Superior | ★★★★★★★ | | | 0 | | | | | X | X | | | X | | X | | X | | | | | | | | | | | | | | X | $ 273,000 |
| N 6th Ave E, E 4th St, N 6th Ave E | 46.795355,-92.095123 | City of Duluth | ★★★★★★★ | ★ | | 1 | X | | | | X | | | | X | | X | | X | | | | | | | | | | | | X | | X | $ 393,000 |
| Tower Ave, N 31st St | 46.707589,-92.10406 | City of Superior | ★★★★★★★ | | | 0 | | | | | | X | | | X | | X | X | X | | | | | | | | | | | | | X | X | $ 502,000 |
| Tower Ave, N 20th St | 46.714713,-92.103983 | City of Duluth | ★★★★★★★ | | | 0 | | | X | X | | X | | X | X | | | | | X and/or | X or | X and/or | X and/or | | | | | | | | | | X | $ 564,000 |
| Tower Ave, N 18th St | 46.717022,-92.10396 | City of Superior | ★★★★★★★ | | | 0 | X | | X | X | | X | | | X | | | | | X and/or | X or | X and/or | X and/or | | | | | | | | | | X | $ 981,000 |
| N 4th Ave W, S 4th Ave W, W Superior St | 46.783113,-92.103174 | City of Duluth | ★★★★★★★ | ★ | | 1 | | | | | | | X | | X | | X | | X | | | | | | | | | | | | | | X | $ 54,000 |
| N 24th Ave W, N 24th Ave W, W 3rd St, W 3rd St | 46.766138,-92.131292 | City of Duluth | ★★★★★★★ | ★ | | 1 | X | | | | | X | X | | X | | X | X | X | | | | | | | | | | | | | | X | $ 85,000 |
| S 5th Ave W, N 5th Ave W, W Superior St, W Superior St | 46.782185,-92.104402 | City of Duluth | ★★★★★★★ | ★ | | 0 | | | | | | | X | X | X | | X | | X | | | | | | | | | | | | | | X | $ 184,000 |
| E 2nd St, N 1st Ave E, N 1st Ave E | 46.789237,-92.099117 | City of Duluth | ★★★★★★★ | ★ | | 0 | | | | | | X | | | X | | X | X | X | | | | | X | X | X | X | X | | X or | X or | | | $ 224,000 |
| Belknap St, Lamborn Ave, Grand Ave, Belknap St | 46.72062,-92.09344 | City of Superior | ★★★★★★★ | | | 0 | | | | | | | X | | X | | X | | X | | | | | X | X | X | X | X | | X or | X or | | X | $ 251,000 |
| Ogden Ave, Belknap St, Belknap St, Ogden Ave | 46.720645,-92.102379 | City of Superior | ★★★★★★★ | ★ | | 0 | | | | | | | X | | X | | X | | X | | | | | X | X | X | X | X | | X or | X or | | X | $ 251,000 |
| N Lake Ave, W 1st St, E 1st St | 46.787635,-92.099302 | City of Duluth | ★★★★★★★ | ★ | | 0 | | | | | | X | X | | X | | X | X | X | | | | | | | | | | | | X | | X | $ 325,000 |
| E Superior St, N 4th Ave E | 46.790771,-92.093213 | City of Duluth | ★★★★★★★ | | | 1 | X | | X | | | X | X | | X | | | | | X and/or | X or | X and/or | X and/or | | | | | | | | | | X | $ 405,000 |
| Woodland Ave, Summit St | 46.817772,-92.077898 | City of Duluth | ★★★★★★★ | | | 0 | | | | | X | X | | | X | | X | | X | | | | | | | | | | | | X | | X | $ 453,000 |
| N Lake Ave, E 2nd St, W 2nd St, N Lake Ave | 46.788296,-92.100372 | City of Duluth | ★★★★★★★ | ★ | | 0 | | | | | X | X | | | X | | X | X | X | | | | | X | X | X | X | X | | X or | X or | | X | $ 473,000 |
| E Central Entrance, S Arlington Ave | 46.800418,-92.132132 | City of Duluth | ★★★★★★★ | | | 0 | | | | | X or | | X or | | X | | X | | X | | | | | | | | | | | | | X | X | $ 489,000 |
| Tower Ave, N 17th St | 46.718164,-92.103965 | City of Superior | ★★★★★★★ | | | 0 | | | X | X | | X | | | X | | | | | X and/or | X or | X and/or | X and/or | | | | | | | | | | | X | $ 553,000 |
| Tower Ave, N 19th St | 46.715859,-92.103961 | City of Superior | ★★★★★★★ | | | 0 | | | X | X | | X | | | X | | | | | X and/or | X or | X and/or | X and/or | | | | | | | | | | | X | $ 553,000 |
| Highway 53, Grand Ave, Grand Ave | 46.733759,-92.093319 | City of Superior | ★★★★★★★ | ★ | | 0 | | X | X | X | | X | | | X | | | | | X and/or | X or | X and/or | X and/or | | | | | | | | | | | | $ 620,000 |
| Tower Ave, Tower Ave, N 37th St, N 37th St | 46.695387,-92.10411 | City of Superior | ★★★★★★★ | | | 0 | | | | | | X | | X | X | | X | X | X | | | | | | | | | | | | | | X | X | $ 640,000 |
| E 9th St, N Central Entrance, N 6th Ave E | 46.798692,-92.100577 | City of Duluth | ★★★★★★★ | | | 0 | X | | | | X | X | | | X | | X | | X | | | | | | | | | | | | | X | | X | $ 845,000 |
| Belknap St, Hammond Ave | 46.720626,-92.097883 | City of Superior | ★★★★★★★ | | | 0 | X | | | | | | X | | X | | X | | X | | | | | X | X | X | X | X | | X or | X or | | | $ 2,903,000 |
| E Superior St, S 2nd Ave E, N 2nd Ave E, E Superior St | 46.788881,-92.095628 | City of Duluth | ★★★★★★★ | ★ | | 0 | | | | | | | X | | X | | X | | X | | | | | | | | | | | | | | X | | X | $ 54,000 |
| N 6th Ave W, S 6th Ave W, W Superior St | 46.781205,-92.105671 | City of Duluth | ★★★★★★★ | ★ | | 0 | | | | | | | X | | X | | X | | X | | | | | | | | | | | | | | X | | X | $ 54,000 |
| W Superior St, S 1st Ave W, W Superior St, N 1st Ave W | 46.78597,-92.09938 | City of Duluth | ★★★★★★★ | ★ | | 0 | | | | | | | X | | X | | X | | X | | | | | | | | | | | | | | X | | X | $ 54,000 |
| N 5th Ave E, E 2nd St | 46.793089,-92.094084 | City of Duluth | ★★★★★★★ | | | 1 | X | | | | | | | | X | | X | | X | | | | | | | | | | | | | | X | | X | $ 94,000 |
| Maple Grove Rd, Burning Tree Rd, Burning Tree Rd | 46.807567,-92.169205 | City of Duluth | ★★★★★★★ | | | 0 | | | | | | | | X | X | | X | | X | | | | | | | | | | | | | | X | | X | $ 184,000 |
| E 2nd St, N 3rd Ave E | 46.791129,-92.096598 | City of Duluth | ★★★★★★★ | ★ | | 0 | | | | | | X | | | X | | | | | | | | | | | | | | | | | X | | X | $ 217,000 |
| W 2nd St, N 3rd Ave W | 46.785453,-92.104074 | City of Duluth | ★★★★★★★ | ★ | | 0 | | | | | | X | | | X | | X | X | X | | | | | X | X | X | X | X | | X or | X or | | | $ 224,000 |
| W 2nd St, N 4th Ave W, N 4th Ave W | 46.784465,-92.105373 | City of Duluth | ★★★★★★★ | ★ | | 0 | | | | | | X | | | X | | X | X | X | | | | | X | X | X | X | X | | X or | X or | | | $ 224,000 |
| N 1st Ave W, W 2nd St, N 1st Ave W | 46.787326,-92.101633 | City of Duluth | ★★★★★★★ | ★ | | 0 | | | | | | X | | | X | | X | X | X | | | | | X | X | X | X | X | | X or | X or | | | $ 224,000 |
| W 1st St, S 46th Ave W, N 46th Ave W, Mike Colalillo Dr | 46.744573,-92.157187 | City of Duluth | ★★★★★★★ | | | 0 | | | | | X | | | | X | | X | X | X | | | | | | | | | | | | | | X | | X | $ 256,000 |
| Grand Ave, Grand Ave, N 40th Ave W, N 40th Ave W | 46.751662,-92.15132 | City of Duluth | ★★★★★★★ | | | 0 | | | | X or | | X | X or | | X | | X | X | X | | | | | | | | | | | | | | X | | X | $ 273,000 |
| E 4th St, N 5th Ave E | 46.794438,-92.09629 | City of Duluth | ★★★★★★★ | ★ | | 0 | | | | | X or | X | X or | | X | | X | X | X | | | | | | | | | | | | | | X | | X | $ 280,000 |
| N 59th Ave W, Grand Ave, S 59th Ave W, Grand Ave | 46.736998,-92.171989 | City of Duluth | ★★★★★★★ | | | 0 | | | | | X | X | | X | X | | X | X | X | | | | | X | X | X | X | X | X | | | | | X | $ 294,000 |
| US 53, US 53, S Arlington Ave | 46.782563,-92.138722 | City of Duluth | ★★★★★★★ | | | 0 | | X | | | X | | | | X | | X | | X | | | | | | | | | | | | | | | | | $ 297,000 |
| Ramsey St, Grand Ave | 46.739014,-92.169151 | City of Duluth | ★★★★★★★ | | | 0 | | | | | X | X | | | X | | X | X | X | | | | | X | X | X | X | X | X | | | | | X | $ 323,000 |
| E Central Entrance, Rice Lake Rd, N Central Entrance, Mesaba Ave | 46.795862,-92.107036 | City of Duluth | ★★★★★★★ | | ★ | 0 | | | | | X | | | X | X | | X | | X | | | | | | | | | | | | | | | | | $ 353,000 |
| Central Ave, Ramsey St, Ramsey St | 46.73891,-92.166567 | City of Duluth | ★★★★★★★ | | | 0 | | | | | X or | X | X or | | X | | X | X | X | | | | | | | | | | | X | X | | X | | $ 400,000 |
| E St Marie St, Woodland Ave, W Saint Marie St | 46.822148,-92.074099 | City of Duluth | ★★★★★★★ | | | 0 | | | | | X | X | | | X | | X | X | X | | | | | | | | | | | | X | | | | $ 420,000 |
| Woodland Ave, Clover St | 46.815825,-92.078254 | City of Duluth | ★★★★★★★ | | | 0 | | | | | X | X | | | X | | X | X | X | | | | | | | | | | | | X | | | | $ 420,000 |
| N 6th Ave E, E 3rd St, N 6th Ave E, N 6th Ave E, E 3rd St | 46.79468,-92.094027 | City of Duluth | ★★★★★★★ | ★ | | 0 | | | | | X | X | | | X | | X | X | X | | | | | | | | | | | | X | | X | | $ 424,000 |
| N Cental Ave, Grand Ave, Central Ave, Grand Ave | 46.740858,-92.166553 | City of Duluth | ★★★★★★★ | | | 0 | | | | | X | X | | | X | | X | | X | | | | | X | X | X | X | X | X | X | X | | X | | $ 442,000 |
| US 53, Cottonwood Ave/Loberg Ave | 46.805561,-92.156889 | City of Duluth | ★★★★★★★ | | | 0 | | X | | | | X | | X | X | | X | | X | | | | | X | X | X | X | X | | X or | | X or | | $ 453,000 |
| E 3rd St, E 3rd St, N 3rd Ave E | 46.791815,-92.097719 | City of Duluth | ★★★★★★★ | ★ | | 1 | X | | X | | | | | | X | | | | | | | | | | | X | | X | | | | | | $ 516,000 |
| Haines Rd, Arrowhead Rd, Haines Rd, Arrowhead Rd | 46.822086,-92.174837 | City of Hermantown | ★★★★★★★ | ★ | | 0 | | X | | | X | X | | | X | | X | X | X | | | | | | | | | | | | | | X | | $ 533,000 |
| W Central Entrance, Mall Dr | 46.802217,-92.148685 | City of Duluth | ★★★★★★★ | | | 0 | | X | | | X | | | | X | | X | | X | | | | | | | | | | | | | X | X | | $ 565,000 |
| N 6th Ave E, E 6th St | 46.7967,-92.097284 | City of Duluth | ★★★★★★★ | ★ | | 1 | X | | X | | | | | | X | | | | | | | | | | | | | | | | X | | X | | $ 675,000 |
| Grand Ave, N 6th St | 46.731369,-92.093355 | City of Superior | ★★★★★★★ | ★ | | 1 | X | | X | | X or | | X or | | X | | | | | X and/or | X or | X and/or | X and/or | | | | | | | | | | X | | $ 978,000 |
| Winter St, Hammond Ave, Winter St | 46.727879,-92.097828 | City of Superior | ★★★★★★★ | ★ | | 2 | X | X | | | X | X | | | X | | X | | X | | | | | | | | | | | | | | | | $ 1,808,000 |
| N 27th Ave W, W Superior St, W Superior St | 46.761256,-92.13176 | City of Duluth | ★★★★★★★ | ★ | ★ | 1 | X | | | | X or | | X or | | X | | X | X | X | | | | | X | X | X | X | X | | | | | | X | $ 1,841,000 |
| E Central Entrance, Pecan Ave | 46.799475,-92.116465 | City of Duluth | ★★★★★★★ | | ★ | 1 | X | | | | | | | X | X | | X | X | X | | | | | | | | | | | | | | X | X | $ 3,004,000 |
| Miller Trunk Hwy, W Central Entrance, US 53 (Trinity Rd), Joshua Ave | 46.804276,-92.153697 | City of Duluth | ★★★★★★★ | | | 0 | X | X | | | | | | X | X | | X | | X | | | | | | | | | | | | | | X | | $ 3,040,000 |
| E Central Entrance, Blackman Ave | 46.800081,-92.121644 | City of Duluth | ★★★★★★★ | | | 1 | X | | | | X | X | | | | X | | | | X and/or | X or | X and/or | X and/or | | | | | | | | | | X | X | $ 3,404,000 |
| Arrowhead Rd, Arrowhead Rd, Rice Lake Rd | 46.822047,-92.126829 | City of Duluth | ★★★★★★ | | | 0 | | | | | | | | | X | | | | | | | | | | | | | | | | | | | | X | $ 43,000 |
| Railroad St, S Lake Ave, Canal Park Dr | 46.784937,-92.095199 | City of Duluth | ★★★★★★ | ★ | | 0 | | | | | | | X | | X | | X | | X | | | | | | | | | | | | | | | | X | $ 46,000 |
| E Superior St, E Superior St, N 12th Ave E, S 12th Ave E | 46.798389,-92.083292 | City of Duluth | ★★★★★★ | | | 0 | | | | | | | X | | X | | X | | X | | | | | | | | | | | | | | | | X | $ 54,000 |
| Mesaba Ave, Mesaba Ave, W 1st St, W 1st St | 46.780927,-92.108057 | City of Duluth | ★★★★★★ | | ★ | 0 | | | | | | X | | | X | | X | | X | | | | | | | | | | | | | | | | X | $ 70,000 |
| US 53 (Trinity Rd), Mall Dr | 46.801647,-92.154711 | City of Duluth | ★★★★★★ | | | 0 | | | | | | X | | | X | | X | | X | | | | | | | | | | | | | | | | X | $ 70,000 |
| Maple Grove Rd, Maple Grove Rd, Mall Dr, Mall Dr | 46.80756,-92.165403 | City of Duluth | ★★★★★★ | | | 0 | | X | | | | X | | | X | | X | | X | | | | | | | | | | | | | | | | X | $ 87,000 |
| Midway Rd, Midway Rd, Highway 53, Highway 53 | 46.853005,-92.280425 | Canosia Township | ★★★★★★ | | | 0 | | X | | | | X | | | X | | | | | | | | | | | | | | | | | | | | X | $ 100,000 |
| W Superior St, N 40th Ave W, W Superior St | 46.749569,-92.148236 | City of Duluth | ★★★★★★ | | | 0 | | | | | | X | | | | X | | | | | | | | | | | | | | | | | | | X | $ 150,000 |
| Tower Ave, Tower Ave, Belknap St, Belknap St | 46.720642,-92.103942 | City of Superior | ★★★★★★ | ★ | | 0 | | | | | | | X | | X | | X | | X | | | | | X | X | X | X | X | | X or | X or | | | $ 211,000 |
| E 2nd St, N 2nd Ave E, N 2nd Ave E | 46.790189,-92.097857 | City of Duluth | ★★★★★★ | ★ | | 0 | | | | | | X | | | X | | X | X | X | | | | | X | X | X | X | X | | X or | X or | | | $ 224,000 |
| W 3rd St, N Lake Ave, E 3rd St | 46.788962,-92.101451 | City of Duluth | ★★★★★★ | ★ | | 0 | | | | | X | X | | | X | | X | X | X | | | | | | | | | | | | | | | | $ 240,000 |
| Grand Ave, 88th Ave W | 46.697264,-92.217955 | City of Duluth | ★★★★★★ | | | 0 | | | | | X | | X | | X | | X | | X | | | | | | | | | | | | | | | X | $ 257,000 |
| Bristol St, Central Ave, Central Ave | 46.737641,-92.166577 | City of Duluth | ★★★★★★ | | | 0 | | | X | | | | | | X | | | | | | | | | | | | | | | | | X | X | | X | $ 263,000 |
| Belknap St, Highway 53, E 2nd St - Hwy 53/2, Marina Dr | 46.722237,-92.068388 | City of Superior | ★★★★★★ | | | 0 | | X | | | | X | | X | X | | X | | X | | | | | | | | | | | | | | | | | $ 264,000 |
| Highway 53, N 5th St | 46.73254,-92.085315 | City of Superior | ★★★★★★ | ★ | | 0 | | | | | | | | | X | | | | | X and/or | X or | X and/or | X and/or | | | | | | | | | | | X | $ 273,000 |
| US 53, Maple Grove Rd | 46.807792,-92.163401 | City of Duluth | ★★★★★★ | | | 0 | | X | | | | | | | X | | X | | X | | | | | | | | | | | | | | X | | $ 323,000 |
| Tower Ave, Tower Ave, N 34th St, N 34th St | 46.698911,-92.104079 | City of Duluth | ★★★★★★ | | | 0 | | X | | | | X | | | X | | | | | X and/or | X or | X and/or | X and/or | | | | | | | | | | | X | $ 380,000 |
| US 53, Maple Burning Tree Rd | 46.81089,-92.168446 | City of Duluth | ★★★★★★ | ★ | | 0 | | X | | | | X | | X | X | | X | | X | | | | | | | | | | | | | | X | | $ 416,000 |
| Belknap St, Hughitt Ave | 46.720639,-92.099447 | City of Superior | ★★★★★★ | | | 0 | | | | | | | X | | X | | | | | X and/or | X or | X and/or | X and/or | X | X | X | X | X | | X or | X or | | X | $ 478,000 |
| Tower Ave, N 40th St | 46.6917,-92.104146 | City of Superior | ★★★★★★ | | | 0 | | X | | | | X | | X | X | | | | | X and/or | X or | X and/or | X and/or | | | | | | | | | | | | $ 478,000 |
| W Central Entrance, Basswood Ave | 46.800474,-92.135306 | City of Duluth | ★★★★★★ | | | 0 | | | | | X or | | X or | | X | | X | | X | | | | | | | | | | | | | | X | X | $ 489,000 |
| Tower Ave, N 23rd St | 46.710983,-92.104012 | City of Superior | ★★★★★★ | | | 0 | | | | | X | X | | | X | | | | | X and/or | X or | X and/or | X and/or | | | | | | | | | | | X | $ 500,000 |
| Woodland Ave, Woodland Ave, E Oxford St | 46.833266,-92.072396 | City of Duluth | ★★★★★★ | | | 0 | | | | | X or | X | X or | | X | | | | | X and/or | X or | X and/or | X and/or | | | | | | | | | | | X | $ 506,000 |
| E 2nd St - Hwy 53/2, E 2nd St - Hwy 53/2, E 3rd St | 46.67769,-92.01047 | City of Superior | ★★★★★★ | | | 0 | | X | | | X | X | | | X | | | | | X and/or | X or | X and/or | X and/or | | | | | | | | | | | | $ 548,000 |
| Hammond Ave, N 7th St | 46.730219,-92.097852 | City of Superior | ★★★★★★ | ★ | | 0 | | | X | | X | X | | | X | | | | | X and/or | X or | X and/or | X and/or | | | | | | | | | | | | $ 560,000 |
| N Central Entrance, E 10th St | 46.798724,-92.102459 | City of Duluth | ★★★★★★ | | | 0 | X | | | | X | X | | | X | | | | | X and/or | X or | X and/or | X and/or | | | | | | | | X | | | X | $ 1,072,000 |
| Belknap St, Catlin Ave, Catlin Ave | 46.720595,-92.087471 | City of Superior | ★★★★★★ | | | 2 | X | | | | | | X | | X | | X | | X | | | | | X | X | X | X | X | | X or | X or | | | $ 1,799,000 |
| Hammond Ave, N 6th St | 46.731377,-92.097843 | City of Superior | ★★★★★★ | ★ | | 0 | X | | X | | X | X | | | X | | | | | X and/or | X or | X and/or | X and/or | | | | | | | | | | | X | $ 2,148,000 |

# Attachment 2: Recommended Safety Projects Prioritized by Cost per Weighted Risk

# Safety Emphasis Area 1 (Segments)

## Rural Two-Lane Undivided Roads

## With AADT Less Than 5,000

**(Roads on the Functional Classification System)**

| Road Name | State | County | Municipality | Speed Limit (mph) | Number of KAB Crashes | Length (miles) | AADT | Total Stars | High Social Vulnerability Index Location | Public Input Hotspot Location | Edgeline and/or Centerline Marking Improvement | Shoulder Rumble Strips | Centerline Rumble Strips | Provide 3 ft Shoulder | Widen Shoulder to 3 ft | Safety Edge | Improve Side Slopes | Clear Zone Maintenance | Install Barrier to Delineate Fixed Object | Install Barrier for Non-Recoverable Slopes | See Curves Recommendations (# Of Curves in Segment) | Project Cost Estimate (No Overlap with Curves) | Project Cost Estimate (Including Costs for Curves) | Weighted Risk Factor | Segment: Prioritization ($ per Weighted Risk Factor) | Segment + Curve: Prioritization ($ per Weighted Risk Factor) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lavaque Rd | Minnesota | Saint Louis | City of Hermantown | 45 | 2 | 0.7 | 3500 | ★★★½ | | | X | X | X | | | | | | | | N/A | $ 48,000 | $ 48,000 | 7 | $ 6,857 | $ 6,857 |
| Schultz Rd | Minnesota | Saint Louis | City of Rice Lake | 55 | 0 | 1.0 | 115 | ★★★½ | | | X | | X | | | | | | | | 0 | $ 59,000 | $ 59,000 | 7 | $ 8,429 | $ 8,429 |
| Morris Thomas Rd | Minnesota | Saint Louis | City of Hermantown | 55 | 1 | 1.7 | 2200 | ★★★½ | | | X | X | X | | | | | | | | N/A | $ 111,000 | $ 111,000 | 7 | $ 15,857 | $ 15,857 |
| Swan Lake Rd | Minnesota | Saint Louis | City of Duluth | 30 | 0 | 1.2 | 3000 | ★★★★ | ★ | | X | | | | | | | X or | X or | | 2 | $ 125,000 | $ 130,000 | 8 | $ 15,625 | $ 16,250 |
| Schultz Rd | Minnesota | Saint Louis | City of Rice Lake | 55 | 0 | 2.0 | 170 | ★★★½ | | | X | | X | | | | | | | | 0 | $ 116,000 | $ 116,000 | 7 | $ 16,571 | $ 16,571 |
| Ryan Rd | Minnesota | Saint Louis | Duluth Township | 50 | 0 | 0.3 | 364 | ★★★★★ | | | X | X | X | X | | X | | X or | X or | | 1 | $ 151,000 | $ 169,000 | 10 | $ 15,100 | $ 16,900 |
| Occidental Blvd | Minnesota | Saint Louis | City of Duluth | 30 | 0 | 0.4 | 348 | ★★★★ | | | X | | | | | | | | X | | 2 | $ 129,000 | $ 136,000 | 8 | $ 16,125 | $ 17,000 |
| CTH A | Wisconsin | Douglas | Superior Township | 55 | 0 | 0.7 | 970 | ★★★★ | | | X | | X | | | | | | X | | 1 | $ 142,000 | $ 183,000 | 8 | $ 17,750 | $ 22,875 |
| Saginaw Rd | Minnesota | Saint Louis | Solway Township | 55 | 0 | 0.4 | 225 | ★★★★ | | | X | X | X | X | | X | | | | | 2 | $ 177,000 | $ 185,000 | 8 | $ 22,125 | $ 23,125 |
| CTH A | Wisconsin | Douglas | Superior Township | 40 | 0 | 1.3 | 730 | ★★★★½ | | | X | | X | | | | | X or | X or | | 2 | $ 154,000 | $ 274,000 | 9 | $ 17,111 | $ 30,444 |
| Swan Lake Rd | Minnesota | Saint Louis | City of Hermantown | 55 | 0 | 0.7 | 1400 | ★★★½ | ★ | | X | X | X | X | | X | | X or | X or | | 1 | $ 320,000 | $ 404,000 | 7 | $ 45,714 | $ 57,714 |
| CTH U | Wisconsin | Douglas | Lakeside Township | 30 | 0 | 0.9 | 90 | ★★★★ | | | X | | | | | | X or | | | X or | 5 | $ 214,000 | $ 462,000 | 8 | $ 26,750 | $ 57,750 |
| E Skyline Pkwy | Minnesota | Saint Louis | City of Duluth | 40 | 0 | 0.7 | 1450 | ★★★★ | | ★ | X | X | X | X | | X | | | X | X | 3 | $ 460,000 | $ 475,000 | 8 | $ 57,500 | $ 59,375 |
| Ryan Rd | Minnesota | Saint Louis | Duluth Township | 55 | 0 | 0.2 | 364 | ★★★★ | | | X | X | X | X | | X | | | | | 2 | $ 89,000 | $ 480,000 | 8 | $ 11,125 | $ 60,000 |
| CTH K | Wisconsin | Douglas | Parkland Township | 55 | 1 | 1.8 | 1200 | ★★★★½ | | | X | X | X | | X | X | | | | | 0 | $ 556,000 | $ 556,000 | 9 | $ 61,778 | $ 61,778 |
| Becks Rd | Minnesota | Saint Louis | Midway Township | 55 | 1 | 1.1 | 670 | ★★★★½ | | | X | X | X | | X | X | | X | | X | 2 | $ 417,000 | $ 581,000 | 9 | $ 46,333 | $ 64,556 |
| CTH E | Wisconsin | Douglas | Parkland Township | 55 | 0 | 1.0 | 2000 | ★★★½ | | | X | X | X | X | | X | | X | X | | 0 | $ 459,000 | $ 459,000 | 7 | $ 65,571 | $ 65,571 |
| S Chicago Ave | Wisconsin | Douglas | Village of Oliver | 45 | 3 | 1.3 | 2300 | ★★★★★½ | | | X | X | X | X | | X | | X or | X or | | 3 | $ 472,000 | $ 747,000 | 11 | $ 42,909 | $ 67,909 |
| Hermantown Rd | Minnesota | Saint Louis | City of Hermantown | 55 | 0 | 1.0 | 2800 | ★★★★ | | | X | X | X | X | | X | | X or | X or | | 2 | $ 549,000 | $ 573,000 | 8 | $ 68,625 | $ 71,625 |
| Seven Bridges Rd | Minnesota | Saint Louis | City of Duluth | 45 | 1 | 1.4 | 348 | ★★★★ | | | X | | | | | | | | X | X | 16 | $ 537,000 | $ 617,000 | 8 | $ 67,125 | $ 77,125 |
| W Skyline Pkwy | Minnesota | Saint Louis | City of Duluth | 30 | 3 | 1.7 | 1580 | ★★★★ | | ★ | X | | | | | | | X or | X or | X | 6 | $ 710,000 | $ 758,000 | 8 | $ 88,750 | $ 94,750 |
| Lester River Rd | Minnesota | Saint Louis | Lakewood Township | 45 | 0 | 3.6 | 2000 | ★★★★½ | | | X | | X | | | | | | X | | 7 | $ 788,000 | $ 1,036,000 | 10 | $ 78,800 | $ 103,600 |
| CTH K | Wisconsin | Douglas | Parkland Township | 55 | 1 | 2.5 | 850 | ★★★½ | | | X | X | X | | X | X | | | | | 0 | $ 753,000 | $ 753,000 | 7 | $ 107,571 | $ 107,571 |
| CTH D | Wisconsin | Douglas | Lakeside Township | 55 | 0 | 2.5 | 1400 | ★★★½ | | | X | X | X | | X | X | | X or | X or | | N/A | $ 840,000 | $ 850,000 | 7 | $ 120,000 | $ 121,429 |
| W Skyline Pkwy | Minnesota | Saint Louis | City of Proctor | 30 | 0 | 1.8 | 680 | ★★★½ | | | X | | | | | | | | X | X | 11 | $ 793,000 | $ 852,000 | 7 | $ 113,286 | $ 121,714 |
| W Calvary Rd | Minnesota | Saint Louis | City of Rice Lake | 55 | 1 | 2.0 | 1650 | ★★★½ | | | X | X | X | X | | X | | X or | X or | | N/A | $ 984,000 | $ 923,000 | 7 | $ 140,571 | $ 131,857 |
| CTH C | Wisconsin | Douglas | Parkland Township | 30 | 1 | 4.0 | 1000 | ★★★★ | | | X | X | X | | X | X | | | | | 0 | $ 1,211,000 | $ 1,211,000 | 8 | $ 151,375 | $ 151,375 |
| CTH C | Wisconsin | Douglas | Parkland Township | 55 | 0 | 2.7 | 750 | ★★★½ | | | X | X | X | X | | X | | X | X | | N/A | $ 1,334,000 | $ 1,334,000 | 7 | $ 190,571 | $ 190,571 |
| CTH W | Wisconsin | Douglas | Superior Township | 30 | 0 | 3.7 | 270 | ★★★½ | | | X | X | X | X | | X | | X or | X or | | N/A | $ 1,590,000 | $ 1,719,000 | 7 | $ 227,143 | $ 245,571 |
| CTH 8 | Minnesota | Saint Louis | Grand Lake Township | 30 | 0 | 0.8 | 120 | ★★★★ | | | Segment Not Evaluated - Gravel Road | | | | | | | | | | N/A | $ - | $ - | 8 | $ - | $ - |
| W Skyline | Minnesota | Saint Louis | Midway Township | 30 | 0 | 0.5 | 680 | ★★★½ | | | Segment Not Evaluated - Gravel Road | | | | | | | | | | N/A | $ - | $ 5,000 | 7 | $ - | $ 714 |

# Safety Emphasis Area 1 (Curves)

## Rural Two-Lane Undivided Roads
## With AADT Less Than 5,000
**(Roads on the Functional Classification System)**

| Road Name | State | County | Municipality | Lat/Long | Speed Limit (mph) | Curve Advisory Speed (mph) | Length (miles) | AADT | Total Stars | High Social Vulnerability Index Location | Public Input Hotspot Location | Curve Overlaps with a Tier 1 Segment? | Curve Overlaps with a Tier 2 Segment? | Edgeline and/or Centerline Marking Improvement | High Friction Surface Treatment | Re-evaluate Curve Signing | Install Chevrons | Install Night Arrows | Upgrade to Fluorescent Signs | Install In-lane Curve Warning Pavement Markings | Shoulder Rumble Strips | Centerline Rumble Strips | Provide 3 ft Shoulder | Widen Shoulder to 3 ft | Safety Edge | Improve Side Slopes | Clear Zone Maintenance | Install Barrier to Delineate Fixed Object | Install Barrier for Non-Recoverable Slopes | Install Flashing Beacons with Warning 'Stop Ahead' Signs | Realign Intersection to Correct Visual Trap | Reconstruct Triangle Intersection | Project Cost Estimate (No Overlap with Segments) | Project Cost Estimate (Assumes Standalone Projects for Each Curve) | Risk Prioritization Weight | Curve Cost Prioritization ($/Risk Weight) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Occidental Blvd | Minnesota | Saint Louis | City of Duluth | 46°50'38.96"N, 92° 0'37.28"W | 30 | 20 | 0.4 | 348 | ★★★ | | | Y | N | X | | | X | | X | | | | | | | | | | | | | $ 3,000 | $ 4,423 | 7.5 | $ 590 |
| CTH W | Wisconsin | Douglas | Superior Township | 46°33'7.90"N, 92°14'49.97"W | 55 | No Posting | 3.7 | 270 | ★★★ | | | N | N | Dirt/gravel road | | X | X | X | | | | | | | | | | | | | | | $ 5,000 | $ 5,000 | 7.5 | $ 667 |
| TH 39/E McCuen St | Minnesota | Saint Louis | City of Duluth | 46°39'22.28"N, 92°12'30.51"W | 35 | 25 | 0.6 | 2300 | ★★★ ↾ | | | N | N | X | | | | X | X | | | | | | | | | | | | | | $ 7,000 | $ 7,000 | 8.75 | $ 800 |
| CTH W | Wisconsin | Douglas | Superior Township | 46°33'14.72"N, 92°14'41.78"W | 55 | No Posting | 3.7 | 270 | ★★ ↾ | | | N | N | Dirt/gravel road | | X | X | X | | | | | | | | | | | | | | | $ 5,000 | $ 5,000 | 6.25 | $ 800 |
| N 58th St | Wisconsin | Douglas | City of Superior | 46°40'11.71"N, 92° 4'37.88"W | 30 | 15 | 1.0 | 2000 | ★★ ↾ | | | N | N | X | | X | | X | X | | | | | | | | | | | | | | $ 7,000 | $ 7,000 | 6.25 | $ 1,120 |
| W Skyline Pkwy | Minnesota | Saint Louis | City of Duluth | 46°43'30.81"N, 92°13'1.44"W | 30 | 15 | 0.2 | 4150 | ★★ ↾ | | | N | N | X | | X | X | | X | | | | | | | | | | | | | | $ 8,000 | $ 8,000 | 6.25 | $ 1,280 |
| CTH W | Wisconsin | Douglas | Superior Township | 46°33'35.00"N, 92°14'30.95"W | 55 | No Posting | 3.7 | 270 | ★ ↾ | | | N | Y | Dirt/gravel road | | X | X | X | | | | | | | | | | | | | | | $ 5,000 | $ 5,000 | 3.75 | $ 1,333 |
| CTH W | Wisconsin | Douglas | Superior Township | 46°32'50.16"N, 92°14'45.21"W | 55 | No Posting | 3.7 | 270 | ★ ↾ | | | N | Y | Dirt/gravel road | | X | X | X | | | | | | | | | | | | | | | $ 5,000 | $ 5,000 | 3.75 | $ 1,333 |
| W Skyline | Minnesota | Saint Louis | Midway Township | 46°41'30.87"N, 92°16'17.07"W | 30 | No Posting | 0.5 | 680 | ★ ↾ | | | N | Y | Dirt/gravel road | | X | X | X | | | | | | | | | | | | | | | $ 5,000 | $ 5,000 | 3.75 | $ 1,333 |
| Occidental Blvd | Minnesota | Saint Louis | City of Duluth | 46°50'29.15"N, 92° 0'36.58"W | 30 | 20 | 0.4 | 348 | ★★★ ↾ | | | Y | N | X | | | X | Douglas | | | | | | | | | | | | | | | $ 4,000 | $ 8,999 | 6.25 | $ 1,440 |
| W Skyline Pkwy | Minnesota | Saint Louis | City of Duluth | 46°42'53.93"N, 92°13'10.82"W | 30 | No Posting | 1.8 | 680 | ★★ | | | N | Y | X | | X | X | X | | | | | | | | | | | | | | | $ 5,000 | $ 7,731 | 5 | $ 1,546 |
| Seven Bridges Rd | Minnesota | Saint Louis | City of Duluth | 46°51'31.91"N, 92° 0'49.93"W | 30 | No Posting | 1.4 | 348 | ★ ↾ | | | Y | N | X | | X | X | X | | | | | | | | | | | | | | | $ 5,000 | $ 6,871 | 3.75 | $ 1,832 |
| Seven Bridges Rd | Minnesota | Saint Louis | City of Duluth | 46°50'54.58"N, 92° 0'37.47"W | 30 | No Posting | 1.4 | 348 | ★ ↾ | | | Y | N | X | | X | X | X | | | | | | | | | | | | | | | $ 5,000 | $ 6,914 | 3.75 | $ 1,844 |
| Seven Bridges Rd | Minnesota | Saint Louis | City of Duluth | 46°51'37.43"N, 92° 0'50.40"W | 30 | No Posting | 1.4 | 348 | ★ ↾ | | | Y | N | X | | X | X | X | | | | | | | | | | | | | | | $ 5,000 | $ 7,131 | 3.75 | $ 1,902 |
| CTH 8 | Minnesota | Saint Louis | Grand Lake Township | 46°55'24.22"N, 92°24'46.07"W | 55 | No Posting | 0.8 | 120 | ★★★ ↾ | | | N | N | Dirt/gravel road | | | | | | | | | | | | | | | X | | | $ 18,000 | $ 18,000 | 8.75 | $ 2,057 |
| CTH W | Wisconsin | Douglas | Superior Township | 46°32'43.85"N, 92°14'38.17"W | 55 | 25 | 3.7 | 270 | ★★ ↾ | | | N | N | Dirt/gravel road | | | X | X | | | | | | | | | X | | | | | | $ 14,000 | $ 14,000 | 6.25 | $ 2,240 |
| W Skyline Pkwy | Minnesota | Saint Louis | City of Proctor | 46°43'23.51"N, 92°13'11.14"W | 30 | No Posting | 1.8 | 680 | ★ ↾ | | | N | Y | X | | X | X | X | | | | | | | | | | | | | | | $ 5,000 | $ 8,697 | 3.75 | $ 2,319 |
| W Skyline Pkwy | Minnesota | Saint Louis | City of Proctor | 46°43'22.99"N, 92°13'17.74"W | 30 | No Posting | 1.8 | 680 | ★ ↾ | | | N | Y | X | | X | X | X | | | | | | | | | | | | | | | $ 5,000 | $ 9,326 | 3.75 | $ 2,487 |
| Seven Bridges Rd | Minnesota | Saint Louis | City of Duluth | 46°50'48.29"N, 92° 0'31.15"W | 30 | No Posting | 1.4 | 348 | ★ ↾ | | | Y | N | X | | X | X | X | | | | | | | | | | | | | | | $ 5,000 | $ 9,850 | 3.75 | $ 2,627 |
| Swan Lake Rd | Minnesota | Saint Louis | City of Duluth | 46°49'14.32"N, 92° 8'59.53"W | 30 | No Posting | 1.2 | 3000 | ★ ↾ | ★ | | Y | N | X | | X | X | X | | | | | | | | | | | | | | | $ 5,000 | $ 10,311 | 3.75 | $ 2,750 |
| W Skyline Pkwy | Minnesota | Saint Louis | City of Proctor | 46°43'17.59"N, 92°13'10.82"W | 30 | No Posting | 1.8 | 680 | ★ ↾ | | | N | Y | X | | X | X | X | | | | | | | | | X | | | | | | $ 9,000 | $ 12,360 | 3.75 | $ 3,296 |
| Seven Bridges Rd | Minnesota | Saint Louis | City of Duluth | 46°51'37.71"N, 92° 0'53.23"W | 30 | No Posting | 1.4 | 348 | ★ ↾ | | | Y | N | X | | X | X | X | | | | | | | | | | X | | | | | $ 5,000 | $ 12,586 | 3.75 | $ 3,356 |
| N 58th St | Wisconsin | Douglas | City of Superior | 46°40'9.80"N, 92° 4'40.55"W | 30 | 15 | 1.0 | 2000 | ★★ ↾ | | | N | N | X | | X | X | | X | | | | | | | | | X | | | | | $ 21,000 | $ 21,000 | 6.25 | $ 3,360 |
| Seven Bridges Rd | Minnesota | Saint Louis | City of Duluth | 46°51'38.94"N, 92° 0'53.12"W | 30 | No Posting | 1.4 | 348 | ★ ↾ | | | Y | N | X | | X | X | X | | | | | | | | | | X | | | | | $ 5,000 | $ 13,300 | 3.75 | $ 3,547 |
| Hermantown Rd | Minnesota | Saint Louis | City of Hermantown | 46°47'22.55"N, 92°10'44.21"W | 40 | No Posting | 1.0 | 2800 | ★ | | | Y | N | X | | X | X | X | | | | X | | | | | X or | | X or | | | | $ 5,000 | $ 9,563 | 2.5 | $ 3,825 |
| Seven Bridges Rd | Minnesota | Saint Louis | City of Duluth | 46°50'39.74"N, 92° 0'36.34"W | 30 | No Posting | 1.4 | 348 | ★ ↾ | | | Y | N | X | | X | X | X | | | | | | | | | | X | | | | | $ 5,000 | $ 14,549 | 3.75 | $ 3,880 |
| W Skyline Pkwy | Minnesota | Saint Louis | City of Duluth | 46°42'57.02"N, 92°13'20.75"W | 30 | No Posting | 1.8 | 680 | ★ ↾ | | | N | Y | X | | X | X | X | | | | | | | | | | | | | | | $ 5,000 | $ 14,927 | 3.75 | $ 3,980 |
| Seven Bridges Rd | Minnesota | Saint Louis | City of Duluth | 46°51'33.51"N, 92° 0'49.84"W | 30 | No Posting | 1.4 | 348 | ★ ↾ | | | Y | N | X | | X | X | X | | | | | | | | | | X | | | | | $ 5,000 | $ 15,270 | 3.75 | $ 4,072 |
| Hermantown Rd | Minnesota | Saint Louis | City of Hermantown | 46°47'22.30"N, 92°10'31.24"W | 40 | No Posting | 1.0 | 2800 | ★★ | | | Y | N | X | | X | | | | | | | | | | | | | | X | | | $ 19,000 | $ 21,313 | 5 | $ 4,263 |
| Maple Grove Rd | Minnesota | Saint Louis | Solway Township | 46°48'37.56"N, 92°20'0.41"W | 50 | 25 | 1.1 | 1466 | ★★★ | | | N | N | X | | X | | X | X | X | X | | X | | X | | | X | | | | $ 38,000 | $ 38,000 | 7.5 | $ 5,067 |
| W Skyline Pkwy | Minnesota | Saint Louis | City of Duluth | 46°46'43.40"N, 92° 7'15.66"W | 30 | No Posting | 1.7 | 1580 | ★★ | | | Y | N | X | | X | X | X | | | | | | | | | | | X | | | | $ 5,000 | $ 25,536 | 5 | $ 5,107 |
| Seven Bridges Rd | Minnesota | Saint Louis | City of Duluth | 46°51'34.99"N, 92° 0'51.90"W | 30 | No Posting | 1.4 | 348 | ★ ↾ | | | Y | N | X | | X | X | X | | | | | | | | | | X | | | | | $ 5,000 | $ 19,205 | 3.75 | $ 5,121 |
| E Skyline Pkwy | Minnesota | Saint Louis | City of Duluth | 46°48'43.37"N, 92° 5'26.53"W | 30 | 15 | 0.7 | 1450 | ★★ ↾ | | ★ | Y | N | X | | X | X | X | | | | | | | | | | | X | | | | $ 5,000 | $ 33,132 | 6.25 | $ 5,301 |
| Ryan Rd | Minnesota | Saint Louis | Duluth Township | 46°54'1.71"N, 91°53'51.94"W | 30 | No Posting | 0.3 | 364 | ★ ↾ | | | Y | N | X | | | | | | | | | | | | | | | | X | | | $ 18,000 | $ 20,351 | 3.75 | $ 5,427 |
| W Skyline Pkwy | Minnesota | Saint Louis | City of Duluth | 46°46'41.36"N, 92° 7'16.51"W | 30 | No Posting | 1.7 | 1580 | ★★ | | | Y | N | X | | X | X | X | | | | | | | | | | | X | | | | $ 5,000 | $ 27,208 | 5 | $ 5,442 |
| Seven Bridges Rd | Minnesota | Saint Louis | City of Duluth | 46°51'14.71"N, 92° 0'38.94"W | 30 | No Posting | 1.4 | 348 | ★★ | | | Y | N | X | | X | X | X | | | | | | | | | | X | | | | | $ 5,000 | $ 27,660 | 5 | $ 5,532 |
| Seven Bridges Rd | Minnesota | Saint Louis | City of Duluth | 46°51'2.51"N, 92° 0'43.88"W | 30 | No Posting | 1.4 | 348 | ★ ↾ | | | Y | N | X | | X | X | X | | | | | | | | | | X | | | | | $ 5,000 | $ 22,320 | 3.75 | $ 5,952 |
| Seven Bridges Rd | Minnesota | Saint Louis | City of Duluth | 46°51'28.76"N, 92° 0'46.21"W | 30 | No Posting | 1.4 | 348 | ★ ↾ | | | Y | N | X | | X | X | X | | | | | | | | | | X | | | | | $ 5,000 | $ 22,893 | 3.75 | $ 6,105 |
| E Skyline Pkwy | Minnesota | Saint Louis | City of Duluth | 46°48'30.26"N, 92° 5'37.26"W | 30 | No Posting | 0.7 | 1450 | ★ ↾ | | ★ | Y | N | X | | X | X | X | | | | | | | | | | | X | | | | $ 5,000 | $ 23,081 | 3.75 | $ 6,155 |
| Seven Bridges Rd | Minnesota | Saint Louis | City of Duluth | 46°51'16.37"N, 92° 0'45.02"W | 30 | No Posting | 1.4 | 348 | ★ ↾ | | | Y | N | X | | X | X | X | | | | | | | | | | X | | | | | $ 5,000 | $ 23,534 | 3.75 | $ 6,276 |
| S Chicago Ave | Wisconsin | Douglas | Village of Oliver | 46°38'42.53"N, 92°11'32.99"W | 55 | 25 | 1.3 | 2300 | ★★ ↾ | | | N | Y | X | | X | X | X | | X | | X | | | | | | | X | | | | $ 35,000 | $ 40,824 | 6.25 | $ 6,532 |
| Becks Rd | Minnesota | Saint Louis | Midway Township | 46°41'56.24"N, 92°16'47.16"W | 50 | No Posting | 1.1 | 670 | ★★ ↾ | | | Y | N | X | | X | X | X | | | X | X | | X | X | | | | | X | | | $ 23,000 | $ 41,695 | 6.25 | $ 6,671 |
| Seven Bridges Rd | Minnesota | Saint Louis | City of Duluth | 46°51'22.24"N, 92° 0'48.34"W | 30 | No Posting | 1.4 | 348 | ★ ↾ | | | Y | N | X | | X | X | X | | | | | | | | | | X | | | | | $ 5,000 | $ 25,501 | 3.75 | $ 6,800 |
| W Skyline Pkwy | Minnesota | Saint Louis | City of Duluth | 46°46'43.44"N, 92° 7'23.31"W | 30 | No Posting | 1.7 | 1580 | ★★ ↾ | | | Y | N | X | | X | X | X | | | | | | | | | | | | X | | | $ 23,000 | $ 25,790 | 3.75 | $ 6,877 |
| Maple Grove Rd | Minnesota | Saint Louis | Solway Township | 46°48'28.32"N, 92°20'19.68"W | 50 | 25 | 1.1 | 1466 | ★★ ↾ | | | N | N | X | | X | | X | X | X | X | | X | | X | | | X | | | | $ 46,000 | $ 46,000 | 6.25 | $ 7,360 |
| Seven Bridges Rd | Minnesota | Saint Louis | City of Duluth | 46°50'55.05"N, 92° 0'41.71"W | 30 | No Posting | 1.4 | 348 | ★ ↾ | | | Y | N | X | | X | X | X | | | | | | | | | | X | | | | | $ 5,000 | $ 27,937 | 3.75 | $ 7,450 |
| 42nd Ave | Wisconsin | Douglas | Superior Township | 46°39'29.00"N, 92° 3'59.28"W | 55 | 35 | 0.5 | 970 | ★★ ↾ | | | Y | N | X | | X | X | | X | | X | X | | X | X | X | | | | | | | $ 41,000 | $ 46,926 | 6.25 | $ 7,508 |
| Maple Grove Rd | Minnesota | Saint Louis | Solway Township | 46°48'34.09"N, 92°20'15.47"W | 50 | 25 | 1.1 | 1466 | ★★ ↾ | | | N | N | X | | X | | X | X | X | X | | X | | X | | | X | | | | $ 47,000 | $ 47,000 | 6.25 | $ 7,520 |
| E Skyline Pkwy | Minnesota | Saint Louis | City of Duluth | 46°48'20.68"N, 92° 5'50.85"W | 30 | No Posting | 0.7 | 1450 | ★ ↾ | | | Y | N | X | | X | X | X | | | | | | | | | | | | X | | | $ 5,000 | $ 28,605 | 3.75 | $ 7,628 |
| W Skyline Pkwy | Minnesota | Saint Louis | City of Duluth | 46°46'27.20"N, 92° 7'25.88"W | 30 | No Posting | 1.7 | 1580 | ★ | ★ | | Y | N | X | | X | X | X | | | | | | | | | | | | X | | | $ 5,000 | $ 19,671 | 2.5 | $ 7,868 |
| H 210/Oldenberg Pkwy | Minnesota | Saint Louis | City of Duluth | 46°40'21.35"N, 92°17'27.23"W | 40 | 25 | 2.0 | 2000 | ★★ ↾ | | | N | N | X | | X | X | X | | | X | X | X | | X | | | X or | X or | | | | $ 51,000 | $ 51,000 | 6.25 | $ 8,160 |
| Lester River Rd | Minnesota | Saint Louis | Lakewood Township | 46°52'39.58"N, 91°59'15.54"W | 45 | No Posting | 3.6 | 2000 | ★★ | | | Y | N | X | | X | X | X | | | X | X | X | | X | | | | X | | | | $ 24,000 | $ 41,424 | 5 | $ 8,285 |
| CTH A | Wisconsin | Douglas | Douglas Township | 46°29'38.66"N, 92° 4'20.00"W | 55 | 35 | 3.3 | 930 | ★★ ↾ | | | N | N | X | | X | | X | | | X | X | | | X | | | X or | X or | | | | $ 53,000 | $ 53,000 | 6.25 | $ 8,480 |
| Minnesota Ave | Minnesota | Saint Louis | City of Duluth | 46°43'41.96"N, 92° 3'8.90"W | 30 | No Posting | 1.0 | 1850 | ★★ | | | N | N | X | | X | X | | | | | | | | | | | | | X | | | $ 43,000 | $ 43,000 | 5 | $ 8,600 |
| W Skyline Pkwy | Minnesota | Saint Louis | City of Duluth | 46°43'10.53"N, 92°13'11.58"W | 30 | No Posting | 1.8 | 680 | ★ ↾ | | | N | Y | X | | X | X | X | | | | | | | | | | | | X | | | $ 5,000 | $ 32,279 | 3.75 | $ 8,608 |
| CTH U | Wisconsin | Douglas | Douglas Township | 46°37'56.39"N, 91°54'41.08"W | 55 | No Posting | 0.9 | 90 | ★★ ↾ | | | Y | N | X | | X | X | X | | | | X | | X | X | | | | | X | | | $ 38,000 | $ 55,337 | 6.25 | $ 8,854 |
| Seven Bridges Rd | Minnesota | Saint Louis | City of Duluth | 46°50'44.50"N, 92° 0'37.97"W | 30 | No Posting | 1.4 | 348 | ★ ↾ | | | Y | N | X | | X | X | X | | | | | | | | | | X | | | | | $ 5,000 | $ 33,863 | 3.75 | $ 9,030 |
| Lester River Rd | Minnesota | Saint Louis | Lakewood Township | 46°52'20.41"N, 91°59'19.06"W | 45 | No Posting | 3.6 | 2000 | ★★ | | | Y | N | X | | X | X | X | | | X | X | X | | X | | | | X | | | | $ 26,000 | $ 45,921 | 5 | $ 9,184 |
| St. Louis River Rd | Minnesota | Saint Louis | Midway Township | 46°45'50.88"N, 92°14'59.42"W | 45 | No Posting | 1.5 | 531 | ★★ ↾ | | | N | N | X | | X | X | X | | | X | X | | | X | | | | X | X | | | $ 59,000 | $ 59,000 | 6.25 | $ 9,440 |
| W Skyline Pkwy | Minnesota | Saint Louis | City of Duluth | 46°42'21.20"N, 92°13'21.94"W | 30 | No Posting | 1.8 | 680 | ★ ↾ | | | N | Y | X | | X | X | X | | | | | | | | | | X | | | | | $ 5,000 | $ 35,859 | 3.75 | $ 9,562 |
| CTH U | Wisconsin | Douglas | Douglas Township | 46°37'40.46"N, 91°54'21.35"W | 55 | No Posting | 0.9 | 90 | ★★ ↾ | | | Y | N | X | | X | X | X | | | | X | | X | X | | | | | X | | | $ 41,000 | $ 60,097 | 6.25 | $ 9,616 |
| CTH A | Wisconsin | Douglas | Superior Township | 46°38'3.17"N, 92° 4'3.44"W | 55 | 20 | 1.3 | 730 | ★★ | | | Y | N | X | | X | X | X | | X | X | X | | | X | X or | | | | X or | | | $ 48,000 | $ 52,393 | 5 | $ 10,479 |
| Lester River Rd | Minnesota | Saint Louis | City of Duluth | 46°50'29.00"N, 92° 0'20.38"W | 45 | No Posting | 3.6 | 2000 | ★★ | | | Y | N | X | | X | | | | | X | X | X | | X | | | | | | X | | $ 48,000 | $ 52,809 | 5 | $ 10,562 |
| W Skyline Pkwy | Minnesota | Saint Louis | City of Duluth | 46°43'5.93"N, 92°13'12.19"W | 30 | No Posting | 1.8 | 680 | ★ | | | N | Y | X | | X | X | X | | | | | | | | | | | | X | | | $ 5,000 | $ 28,407 | 2.5 | $ 11,363 |
| Ryan Rd | Minnesota | Saint Louis | Duluth Township | 46°57'22.91"N, 91°53'59.42"W | 55 | 30 | 1.3 | 380 | ★★★ ↾ | | | N | N | X | | X | | X | X | X | X | X | X | | | | | | | | X | | $ 100,000 | $ 100,000 | 8.75 | $ 11,429 |
| E Shillhon Rd | Minnesota | Saint Louis | Duluth Township | 46°57'22.89"N, 91°52'43.28"W | 55 | 25 | 1.0 | 380 | ★★★ | | | N | N | X | | X | | X | X | X | X | X | X | | | | | | | | | | $ 91,000 | $ 91,000 | 7.5 | $ 12,133 |
| Korkki Rd | Minnesota | Saint Louis | Duluth Township | 46°57'48.95"N, 91°52'43.39"W | 55 | 25 | 2.0 | 380 | ★★ ↾ | | | N | N | X | | X | | X | X | X | X | X | X | | X | X or | | | X or | | | | $ 78,000 | $ 78,000 | 6.25 | $ 12,480 |
| W Skyline Pkwy | Minnesota | Saint Louis | City of Duluth | 46°43'13.88"N, 92°13'6.31"W | 30 | No Posting | 1.8 | 680 | ★ ↾ | | | N | Y | X | | X | X | X | | | | | | | | | | | X | | | | $ 5,000 | $ 47,214 | 3.75 | $ 12,590 |
| Swan Lake Rd | Minnesota | Saint Louis | City of Hermantown | 46°49'49.50"N, 92°11'2.04"W | 55 | 30 | 0.7 | 1400 | ★★ ↾ | ★ | | N | N | X | | X | X | X | | X | | X | | | | | | | X | X | | | $ 79,000 | $ 79,000 | 6.25 | $ 12,640 |
| CTH A | Wisconsin | Douglas | Superior Township | 46°37'49.02"N, 92° 3'58.80"W | 55 | 20 | 1.3 | 730 | ★★ ↾ | | | Y | N | X | | X | X | X | | X | | X | | | X | | | | | X | | | $ 72,000 | $ 80,443 | 6.25 | $ 12,871 |
| Skyline Pkwy | Minnesota | Saint Louis | City of Duluth | 46°42'1.05"N, 92°13'38.55"W | 30 | No Posting | 3.5 | 680 | ★ ↾ | | | N | Y | X | | X | X | X | | | | | | | | | | | X | | | | $ 5,000 | $ 49,618 | 3.75 | $ 13,231 |
| Lester River Rd | Minnesota | Saint Louis | Lakewood Township | 46°52'26.14"N, 91°59'19.72"W | 45 | No Posting | 3.6 | 2000 | ★ | | | Y | N | X | | X | X | X | | | X | X | X | | X | | | | X | | | | $ 20,000 | $ 33,392 | 2.5 | $ 13,357 |
| W Skyline Pkwy | Minnesota | Saint Louis | City of Duluth | 46°46'24.45"N, 92° 7'38.55"W | 30 | No Posting | 1.7 | 1580 | ★★ ↾ | ★ | ★ | Y | N | X | | X | X | X | | | | | | | | | | | | X | | | $ 5,000 | $ 54,203 | 3.75 | $ 14,454 |
| CTH W | Wisconsin | Douglas | Superior Township | 46°33'17.08"N, 92°14'27.44"W | 55 | No Posting | 3.7 | 270 | ★★ ↾ | | | N | N | X | | X | X | X | | | X | X | | X | X | | | | | X | | | $ 95,000 | $ 95,000 | 6.25 | $ 15,200 |
| W Skyline Pkwy | Minnesota | Saint Louis | City of Duluth | 46°42'12.21"N, 92°13'17.02"W | 30 | No Posting | 1.8 | 680 | ★ ↾ | | | N | Y | X | | X | X | X | | | | | | | | | | | X | | | | $ 5,000 | $ 62,941 | 3.75 | $ 16,784 |
| Saginaw Rd | Minnesota | Saint Louis | Solway Township | 46°51'4.46"N, 92°25'35.71"W | 40 | No Posting | 0.4 | 225 | ★ ↾ | | | Y | N | X | | X | | X | X | | X | X | X | | X | | | | | | | | $ 4,000 | $ 64,305 | 3.75 | $ 17,148 |
| CTH U | Wisconsin | Douglas | Douglas Township | 46°37'55.53"N, 91°54'34.61"W | 55 | No Posting | 0.9 | 90 | ★★★ ↾ | | | Y | N | X | | X | X | X | | | X | | X | X | X | | | | | X | | | $ 72,000 | $ 107,618 | 6.25 | $ 17,219 |
| S Chicago Ave | Wisconsin | Douglas | Village of Oliver | 46°38'45.85"N, 92°11'45.41"W | 55 | 25 | 1.3 | 2300 | ★ ↾ | | | N | Y | X | | X | X | | X | X | X | X | | X | | | | | | | | | $ 7,000 | $ 72,841 | 3.75 | $ 19,424 |
| CTH U | Wisconsin | Douglas | Lakeside Township | 46°37'59.53"N, 91°54'46.40"W | 55 | 20 | 0.9 | 90 | ★★ | | | Y | N | X | | X | X | | X | X | X | | | X | X | | | | | X | | | $ 68,000 | $ 100,500 | 5 | $ 20,100 |
| CTH U | Wisconsin | Douglas | Lakeside Township | 46°37'41.57"N, 91°54'24.91"W | 55 | No Posting | 0.9 | 90 | ★ | | | Y | N | X | | X | X | | X | | X | | | X | | | | | | X | | | $ 29,000 | $ 50,947 | 2.5 | $ 20,379 |
| CTH C | Wisconsin | Douglas | Superior Township | 46°35'25.04"N, 92° 7'58.90"W | 55 | 15 | 3.7 | 430 | ★★★★ | | | N | N | X | X | X | X | | X | X | X | | | X | | | | | | | X | | $ 214,000 | $ 214,000 | 10 | $ 21,400 |
| Ryan Rd | Minnesota | Saint Louis | Duluth Township | 46°54'3.49"N, 91°54'2.98"W | 55 | No Posting | 0.2 | 364 | ★★★ | | | Y | N | X | X | X | X | X | | | X | X | | | | | | | X | | | | $ 140,000 | $ 167,328 | 7.5 | $ 22,310 |
| Becks Rd | Minnesota | Saint Louis | Midway Township | 46°42'15.72"N, 92°17'31.69"W | 50 | 40 | 1.1 | 670 | ★★★ | | | Y | N | X | X | X | | X | X | | X | X | | X | X | | | | | | | | $ 141,000 | $ 184,183 | 7.5 | $ 24,558 |
| Industrial Rd | Minnesota | Saint Louis | Grand Lake Township | 46°53'37.03"N, 92°21'56.59"W | 50 | No Posting | 0.1 | 1000 | ★★★ | | | N | N | X | X | X | X | X | | | X | X | | | | | | | X | | | | $ 185,000 | $ 185,000 | 7.5 | $ 24,667 |
| Saginaw Rd | Minnesota | Saint Louis | Solway Township | 46°50'55.58"N, 92°25'26.71"W | 40 | No Posting | 0.4 | 225 | ★ | | | Y | N | X | | X | | X | X | | X | X | X | | X | | | | | | | | $ 4,000 | $ 65,650 | 2.5 | $ 26,260 |
| W Tischer Rd | Minnesota | Saint Louis | Lakewood Township | 46°52'49.13"N, 92° 0'19.37"W | 40 | 20 | 2.0 | 870 | ★★★ ↾ | | | N | N | X | | X | X | | X | X | X | | | X | | X or | | | X or | | X | | $ 274,000 | $ 274,000 | 10 | $ 27,400 |
| Lester River Rd | Minnesota | Saint Louis | City of Duluth | 46°50'48.98"N, 92° 0'9.51"W | 45 | No Posting | 3.6 | 2000 | ★ | | | Y | N | X | | X | X | X | | | X | X | X | | X | | | | X | | | | $ 42,000 | $ 76,711 | 2.5 | $ 30,684 |
| Lester River Rd | Minnesota | Saint Louis | City of Duluth | 46°51'23.60"N, 91°59'57.11"W | 45 | No Posting | 3.6 | 2000 | ★ | | | Y | N | X | | X | X | X | | | X | X | X | | X | | | | X | | | | $ 42,000 | $ 76,782 | 2.5 | $ 30,713 |
| Ryan Rd | Minnesota | Saint Louis | Duluth Township | 46°54'11.29"N, 91°54'12.54"W | 55 | 15 | 0.3 | 364 | ★★★ ↾ | | | Y | N | X | | X | | X | X | X | | X | | X | | | X or | X or | | | X | | $ 251,000 | $ 278,039 | 8.75 | $ 31,776 |
| Munger Shaw Rd | Minnesota | Saint Louis | Grand Lake Township | 46°54'46.80"N, 92°20'38.89"W | 45 | No Posting | 3.4 | 1050 | ★★★ | | | N | N | X | | X | X | X | | | | X | | | | | | | | X | | | $ 240,000 | $ 240,000 | 7.5 | $ 32,000 |
| Caribou Lake Rd | Minnesota | Saint Louis | Grand Lake Township | 46°51'38.82"N, 92°19'21.75"W | 55 | No Posting | 1.2 | 265 | ★★ ↾ | | | N | N | X | X | X | X | X | | | X | X | | | X | | | X or | X or | | X | | $ 211,000 | $ 211,000 | 6.25 | $ 33,760 |
| Lester River Rd | Minnesota | Saint Louis | Lakewood Township | 46°52'50.82"N, 91°59'3.15"W | 45 | No Posting | 3.6 | 2000 | ★ | | | Y | N | X | | X | X | X | | | X | X | X | | X | | | | X | | | | $ 46,000 | $ 84,695 | 2.5 | $ 33,878 |
| CTH C | Wisconsin | Douglas | Superior Township | 46°34'48.28"N, 92°12'6.64"W | 55 | 20 | 3.2 | 430 | ★★★ | | | N | N | X | | X | X | | X | X | X | | | X | | | | | | X | | | $ 260,000 | $ 260,000 | 7.5 | $ 34,667 |
| S Chicago Ave | Wisconsin | Douglas | Village of Oliver | 46°38'53.05"N, 92°11'52.46"W | 55 | 25 | 1.3 | 2300 | ★★ ↾ | | | N | Y | X | | X | X | X | | X | | X | | | | | | | | X | | | $ 233,000 | $ 238,568 | 6.25 | $ 38,171 |
| W Skyline Pkwy | Minnesota | Saint Louis | City of Duluth | 46°46'27.18"N, 92° 7'29.74"W | 30 | No Posting | 1.7 | 1580 | ↾ | | | Y | N | X | | X | X | X | | | X | X | | X | X | | | | X | X | | | $ 5,000 | $ 66,171 | 1.25 | $ 52,936 |

# Safety Emphasis Area 2

## Urban Intersections - Side Road Stop Control
## Angle Crashes

| Road Name | Lat/Long | Municipality | Traffic Control | Total Stars | High Social Vulnerability Index Location | Public Input Hotspot Location | Number of Angle KAB Crashes | Conduct a Traffic Study | Remove Vegetation or Obstructions to Improve Stop Sign Visibility | Restrict Parking Near the Intersection | Install Retroreflective Strips on Stop Sign Posts | Install Flashing Beacons with Warning 'Stop Ahead' Signs | Install Left Turn Lanes | Reduce Lane Widths and Install Left Turn Lanes | Complete a Road Diet Evaluation | Consider Installing Right Turn Lanes | Remove Obstructions to Increase Intersection Sight Distance | Install Pedestrian Curb Extensions | Extend Median Through Crosswalk | Install High-Visibility Crosswalk | Left Turn Calming | Reduce Lane Widths and Install Median | Install Raised Crosswalk | Install Raised Intersection | Install Stop Bar Pavement Markings on Side Road Approaches | Evaluate Suitability of Existing Lighting System | Install Intersection Lighting | Project Cost Estimate | Weighted Risk Factor | Prioritization ($ per Weighted Risk Factor) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W Michigan St, W Superior St, W Michigan St | 46.773974,-92.113991 | City of Duluth | 1-Way Stop | ★★★ ↾ | | | 0 | | | | X | | | | | | | | | | | | | | | X | | $ 4,000 | 6.36 | $ 629 |
| TH 23/Commonwealth Ave, TH 39/E McCuen St. | 46.657238,-92.226382 | City of Duluth | 2-Way Stop | ★★★ | | | 0 | | | | X | | | | | | X | | | | | | | | X | X | | $ 13,000 | 5.45 | $ 2,383 |
| Haines Rd, W SKyline Pkwy, Haines Rd | 46.758685,-92.163991 | City of Duluth | 1-Way Stop | ★★★ | | | 0 | | X | | X | | | X | | | | | | | | | | | | | X | $ 41,000 | 5.45 | $ 7,517 |
| Midway Rd, Old Miller Trunk Hwy | 46.853476,-92.280423 | Canosia Township | 2-Way Stop | ★★★★★ | | | 1 | X | | | X | | | | | | X | | | | X | | | | X | | X | $ 17,600 | 9.09 | $ 1,700 |
| London Rd, S 14th Ave E, London Rd | 46.799193,-92.079391 | City of Duluth | 2-Way Stop | ★★★ | | | 0 | | | | X | | | | | | | X | | X | | | | | | X | | $ 116,000 | 5.45 | $ 21,267 |
| E Skyline Pkwy, E Skyline Pkwy, E 13th St | 46.801564,-92.104711 | City of Duluth | 1-Way Stop | ★★★ | | | 0 | | | | X | | | X | | | X | | | X | X or | X or | | | X | X | | $ 136,000 | 5.45 | $ 24,933 |
| E 4th St, N 12th Ave E | 46.801087,-92.087656 | City of Duluth | 2-Way Stop | ★★★ | | | 0 | | | X | X | | | | | | X | | | X | X | | X or | X or | X | X | | $ 167,000 | 5.45 | $ 30,617 |
| Woodland Ave, W Redwing St | 46.850022,-92.081848 | City of Duluth | 2-Way Stop | ★★★ ↾ | | | 0 | | | | X | | | | | | X | | | X | X or | X or | | | | X | | $ 238,000 | 6.36 | $ 37,400 |
| Highway 2, Highway 2, N 2nd Ave | 46.741341,-92.222349 | City of Proctor | 2-Way Stop | ★★★ | | | 0 | | X | X | X | | | X | | | | | | | | X | | | X | X | | $ 224,000 | 5.45 | $ 41,067 |
| E 2nd St - Hwy 53/2, E 2nd St - Hwy 53/2, 23rd Ave E | 46.705584,-92.046012 | City of Superior | 2-Way Stop | ★★★★ | | | 0 | | | | | | | | | | X | | X | X | | X | X or | X or | | X | | $ 322,000 | 7.27 | $ 44,275 |
| Highway 53, Catlin Ave | 46.733377,-92.087412 | City of Superior | 1-Way Stop | ★★★ ↾ | ★ | | 0 | | | X | X | | | | X | | | | | | | | | | X | X | | $ 308,000 | 6.36 | $ 48,400 |
| W 4th St, N 3rd Ave W | 46.786766,-92.10627 | City of Duluth | 2-Way Stop | ★★★ | ★ | | 0 | | | X | X | | | | | | X | X | | X | X | | X or | X or | X | X | | $ 267,000 | 5.45 | $ 48,950 |
| Hammond Ave, N 5th St, Hammond Ave, N 5th St | 46.732539,-92.097857 | City of Superior | 1-Way Stop | ★★★ | ★ | | 0 | | | | X | | | | | | | | X | X | | | X or | X or | X | X | | $ 288,000 | 5.45 | $ 52,800 |
| Tower Ave, N 58th St, Tower Ave | 46.669482,-92.104311 | City of Superior | 2-Way Stop | ★★★ ↾ | | | 0 | | | X | X | | | | | | | | | X | X or | X or | X or | X or | | X | | $ 353,000 | 6.36 | $ 55,471 |
| Woodland Ave, Woodland Ave | 46.810829,-92.078289 | City of Duluth | 2-Way Stop | ★★★ ↾ | | | 0 | | X | | X | | | | | | X | | | X | X or | X or | X or | X or | | X | | $ 365,000 | 6.36 | $ 57,357 |
| Railroad St, Railroad St, Harbor Dr | 46.783758,-92.098405 | City of Duluth | 2-Way Stop | ★★★★ ↾ | ★ | | 0 | | | | X | X | | | | X | | | | | | | X | | | X | | $ 472,000 | 8.18 | $ 57,689 |
| Rice Lake Rd, Rice Lake Rd, E Skyline Pkwy | 46.796809,-92.107038 | City of Duluth | 1-Way Stop | ★★★★ ↾ | | ★ | 0 | X | | | X | | | | | | | | | | | | X | | X | X | | $ 484,000 | 8.18 | $ 59,156 |
| Highway 53, Grand Ave, Grand Ave | 46.733759,-92.093319 | City of Superior | 2-Way Stop | ★★★★ ↾ | ★ | | 0 | | | X | X | | | | X | | | | | | | X | | | X | X | | $ 413,000 | 6.36 | $ 64,900 |
| Hammond Ave, Broadway St, Hammond Ave | 46.726591,-92.097838 | City of Superior | 2-Way Stop | ★★★★ | ★ | | 1 | X | | X | X | | | | | | | X | | X | X or | X or | X or | X or | | X | | $ 501,000 | 7.27 | $ 68,888 |
| Tower Ave, Tower Ave, N 34th St, N 34th St | 46.698911,-92.104079 | City of Superior | 2-Way Stop | ★★★★ | | | 0 | | | | X | | | | | X | | X | | X | | | X or | X or | | X | | $ 648,000 | 7.27 | $ 89,100 |
| E 2nd St - Hwy 53/2, Marina Dr, E 2nd St - Hwy 53/2 | 46.718679,-92.063054 | City of Superior | 2-Way Stop | ★★★★ | | | 0 | | X | | X | X | | | | X | X | | X | X | | | X or | X | | X | | $ 693,000 | 7.27 | $ 95,288 |
| N 6th Ave E, E 7th St | 46.797353,-92.098371 | City of Duluth | 2-Way Stop | ★★★ ↾ | | | 0 | | | | X | | | | X | | | | | | X or | X or | X or | X or | X | X | | $ 629,000 | 6.36 | $ 98,843 |
| Tower Ave, Tower Ave, N 16th St | 46.719309,-92.103964 | City of Superior | 2-Way Stop | ★★★★ | | | 0 | X | | | X | | | | | | | X | | X | | X | X or | X or | | X | | $ 727,000 | 7.27 | $ 99,963 |
| TH23/Grand Ave, S 63rd Ave W | 46.733143,-92.177404 | City of Duluth | 2-Way Stop | ★★★★ ↾ | | | 0 | | | X | X | | | | | X | | | | | X or | X or | X or | X or | X | X | | $ 1,131,000 | 10 | $ 113,100 |
| E 4th St, N 4th Ave E | 46.793465,-92.097548 | City of Duluth | 2-Way Stop | ★★★ | ★ | | 0 | X | X or | | X | X or | | | | | | X | | X | X | | | X or | X or | X | X | | $ 711,000 | 5.45 | $ 130,350 |
| Highway 53, N 5th St | 46.73254,-92.085315 | City of Superior | 1-Way Stop | ★★★ | ★ | | 0 | | X | | X | | | | X | X | | | | | | | | | | X | | $ 711,000 | 5.45 | $ 130,350 |
| Tower Ave, N 56th St, Tower Ave | 46.672224,-92.104293 | City of Superior | 2-Way Stop | ★★★ ↾ | | | 0 | | | | X | | | | | X | X | X | | X | X or | X or | X or | X | | X | | $ 858,000 | 6.36 | $ 134,829 |
| Belknap St, E 5th St, E 5th St, Belknap St | 46.72148,-92.073535 | City of Superior | 2-Way Stop | ★★★★ | ★ | | 0 | | | | X | X | | | | X | | | | | | X | | | | X | | $ 1,025,000 | 7.27 | $ 140,938 |
| Glenwood St, Glenwood St, N 43rd Ave E | 46.840383,-92.037093 | City of Duluth | 2-Way Stop | ★★★ | | | 0 | | | | X | | X | | X | | | | | X | X or | X or | | | | X | | $ 823,000 | 5.45 | $ 150,883 |
| Tower Ave, N 40th St | 46.6917,-92.104146 | City of Superior | 2-Way Stop | ★★★★ | | | 0 | | | | | | | | | X | | X | X | X | | | X or | X or | | X | | $ 1,185,000 | 7.27 | $ 162,938 |
| Skyline Pkwy, TH 194/Mesaba Ave, E 9th St, Mesaba Ave | 46.793681,-92.10707 | City of Duluth | 2-Way Stop | ★★★★ | ★ | ★ | 0 | | X | | X | | X | | | X | | | | | | | | | X | X | | $ 1,213,000 | 7.27 | $ 166,788 |
| 4th St, TH 194/Mesaba Ave | 46.785267,-92.10836 | City of Duluth | 2-Way Stop | ★★★★ | ★ | | 0 | | X | X | X | | X | | | X | X | | | | | | | | X | X | | $ 1,215,000 | 7.27 | $ 167,063 |
| Highway 53, E St | 46.725675,-92.073523 | City of Superior | 2-Way Stop | ★★★★ ↾ | ★ | | 0 | | | | | | X | X | X | X | | | | | | | | | X | X | X | $ 1,931,000 | 10 | $ 193,100 |
| N 24th Ave W, S 24th Ave W, W Superior St, W Superior St | 46.764095,-92.128014 | City of Duluth | 2-Way Stop | ★★★ | ★ | | 0 | | | X | X | | | | | X | | X | | X | X or | X or | X or | X or | X | X | | $ 1,255,000 | 5.45 | $ 230,083 |
| N 12th St, N 12th St, Tower Ave, Tower Ave | 46.724274,-92.103911 | City of Superior | 2-Way Stop | ★★★ ↾ | ★ | | 1 | X | | | X | | | | | | | | | | | | | | | | | $ 1,549,000 | 6.36 | $ 243,414 |
| E 9th St, 11th Ave E | 46.803465,-92.094328 | City of Duluth | 2-Way Stop | ★★★ | | | 1 | X | | | X | | | | | | | | | X | | | | | X | X | | $ 1,566,000 | 5.45 | $ 287,100 |
| Rice Lake Rd, Rice Lake Rd, E 13th St | 46.799962,-92.107071 | City of Duluth | 1-Way Stop | ★★★ | | | 1 | X | | | X | | | | | | | | | | | | | | | | X | $ 1,575,000 | 5.45 | $ 288,750 |
| N 21st Ave E, E 1st St | 46.807646,-92.073203 | City of Duluth | 2-Way Stop | ★★★ ↾ | | | 1 | X | | X | X | | | | | | | X | | X | X or | X or | | | X | | | $ 1,880,000 | 6.36 | $ 295,429 |
| N 3rd St, N 3rd St | 46.735177,-92.099363 | City of Superior | 2-Way Stop | ★★★ | ★ | | 0 | X | | | X | | X | | | | | | | | | | | | | X | | $ 1,952,000 | 5.45 | $ 357,867 |
| E 2nd St, N 14th Ave E | 46.801641,-92.08296 | City of Duluth | 2-Way Stop | ★★★ | | | 1 | X | | X | X | | | X | X | | | X | | | | | | | | X | | $ 1,961,000 | 5.45 | $ 359,517 |
| E Superior St, N 14th Ave E, S 14th Ave E, E Superior St | 46.800315,-92.08077 | City of Duluth | 2-Way Stop | ★★★★ | | | 1 | X | | X | X | | | | | X | X | X | | X | X | | X or | X or | | | X | $ 2,629,000 | 7.27 | $ 361,488 |
| E 2nd St - Hwy 53/2, E 2nd St - Hwy 53/2, E 3rd St | 46.67769,-92.01047 | City of Superior | 2-Way Stop | ★★★★★ ↾ | | | 1 | X | | | | X | | | | X | X | | | X | | X | X or | X or | X | X | | $ 3,725,000 | 10 | $ 372,500 |
| E 2nd St - Hwy 53/2, 31st Ave E, E 2nd St - Hwy 53/2 | 46.697325,-92.035494 | City of Superior | 2-Way Stop | ★★★★★ | | | 1 | X | | | | | | | | X | | | | X | | X | | | X | X | | $ 3,562,000 | 9.09 | $ 391,820 |
| N 1st St E, E 4th St, N 1st Ave E | 46.790576,-92.10133 | City of Duluth | 2-Way Stop | ★★★ | ★ | | 1 | X | | X | X | | | X | X | | | X | | X | X or | X or | X or | X or | | X | | $ 2,197,000 | 5.45 | $ 402,783 |
| Highland Ave, Vinland St, W SKyline Pkwy, Getchell Rd | 46.750383,-92.187843 | City of Duluth | 2-Way Stop | ★★★ ↾ | | | 1 | X | | | X | X | | | | | | | | | | | | | | | | $ 2,567,000 | 6.36 | $ 403,386 |
| Crosley Ave,  47th Ave E | 46.841267,-92.029455 | City of Duluth | 2-Way Stop | ★★★ ↾ | | | 1 | X | | X | X | | X | | X | | | | | | | | | | X | | | $ 2,653,000 | 6.36 | $ 416,900 |
| E Superior St, 47th Ave E, 47th Ave E | 46.82925,-92.029228 | City of Duluth | 2-Way Stop | ★★★★ | | | 0 | X | | X | X | | | | | X | | | | | X | | X or | X or | | X | | $ 3,482,000 | 7.27 | $ 478,775 |
| Broadway St, Broadway St, Ogden Ave, Ogden Ave | 46.726606,-92.102351 | City of Superior | 2-Way Stop | ★★★ | ★ | | 2 | X | | X | X | | | | | X | X | X | | X | X or | X or | X or | X or | | X | | $ 2,789,000 | 5.45 | $ 511,317 |
| Tower Ave, Henry Cohen Dr | 46.684543,-92.104201 | City of Superior | 2-Way Stop | ★★★ ↾ | | | 0 | X | | | X | | | | | X | X | X | | | | X | | | | X | | $ 3,680,000 | 6.36 | $ 578,286 |
| N 59th Ave W, N 59th Ave W, Cody St, Cody St | 46.741309,-92.171944 | City of Duluth | 2-Way Stop | ★★★ ↾ | | | 3 | X | | X | X | | X | | | X | | X | X | X | | | | | | X | | $ 4,416,000 | 6.36 | $ 693,943 |

# Safety Emphasis Area 3

## Signalized Intersections Along Multi-Lane Arterials

| Signalized Intersection Name | Municipality | Intersection Location (Lat/Long) | Total Stars | High Social Vulnerability Index Location | Public Input Hotspot Location | Conduct Traffic Study | Install Median at Intersection | Reduce Lane Widths and Install Median | Realign Intersection to <20 Deg. Skew | Install FYA Signal Indications | Consider Changing Left Turn Phasing to Prot/Perm or Prot Only | Install Left Turn Lanes | Complete Road Diet Evaluation to Install Left Turn Lanes | Complete Road Diet Evaluation to Install Left Turn Lanes and Medians | Improve Channelized Right Turn Lane Geometry | Improve Left Turn Lane Offset | Add "Prepare to Stop When Flashing Beacons | Install Enforcement Confirmation Lights | Update Corridor Signal Timing to Favor Slower Progression Speeds | Verify & Update Pedestrian Clearance Intervals | Install High-Visibility Crosswalks | Install LPI | Install Pedestrian Countdown Timer Signal Indications | Evaluate Suitability of Existing Lighting System | Install Lighting | Install Retroreflective Signal Head Backplates | Install Traffic Signal Indications Over Each Lane for Mainline | Project Cost Estimate | Weighted Risk Factor | Prioritization ($ per Weighted Risk Factor) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Railroad Street and Canal Park Dr | City of Duluth | 46.7850637,-92.0950474 | ★★★★★ ↾ | ★ | | | | | | | | | | | | | | X | | | | | | X | | X | | $ 10,000 | 6.1 | $ 1,636 |
| US 2 at CSAH 14 (Boundary Ave) | City of Duluth | 46.738127,-92.217107 | ★★★★★★ | | | X | | | | | | | | | | | | X | | | | | | X | | X | | $ 58,000 | 6.7 | $ 8,700 |
| USTH 53 (Miller Trunk Hwy) & CSAH 13 (Midway Rd) | Canosia Township | 46.852995,-92.280403 | ★★★★★★★ ↾ | | | | | | | | | | | | X | | X or | X or | | X | X | X | | X | | X | | $ 118,000 | 8.3 | $ 14,160 |
| USTH 53 & CSAH 54 (Piedmont Ave) | City of Duluth | 46.775111,-92.143167 | ★★★★★★ ↾ | | | | | | X | X | | | | | | | X or | X or | | X | | X | | X | | X | X | $ 194,000 | 7.2 | $ 26,862 |
| Arrowhead Road and Arlington Ave | City of Duluth | 46.8222412,-92.1323428 | ★★★★★★★★ | ★ | | | | X or | | X | | | | | | | X or | X or | | X | | X | | X | | | | $ 240,000 | 8.9 | $ 27,000 |
| USH 2/USH 53 (E 2nd) & 22nd Ave E | City of Superior | 46.706586,-92.047341 | ★★★★★★★ ↾ | | | | | X | | X | | | | | | | | | | X | X | X | | X | | X | | $ 232,000 | 8.3 | $ 27,840 |
| USTH 53 (Miller Trunk Hwy) & CSAH 48 (Lavaque Bypass Rd), MSAS 101 (Ugstad Rd | City of Hermantown | 46.83658,-92.238403 | ★★★★★★★ | | | | | | | X | | | | | | X | X or | X or | X | X | | X | | X | | | | $ 273,000 | 7.8 | $ 35,100 |
| Grand Ave and 46th Ave W | City of Duluth | 46.7460826,-92.1592956 | ★★★★★★ | | | | | X | | X | | | | | | | | | | X | X | X | | X | | X | | $ 280,000 | 6.7 | $ 42,000 |
| CSAH 9 (4th St) at 6th Ave E | City of Duluth | 46.795357,-92.09511 | ★★★★★★★ ↾ | ★ | | | | X or | | X | | | | X or | | | | | | X | X | | | X | | X | X | $ 501,000 | 8.3 | $ 60,120 |
| Superior Street and 27th Ave W | City of Duluth | 46.7613776,-92.1317979 | ★★★★★★★ ↾ | ★ | ★ | | | X or | | X | | | | X or | | | | | | X | X | | X | X | | X | X | $ 512,000 | 8.3 | $ 61,440 |
| USTH 53 (Trinity Rd) & CSAH 90 (Arlington Ave) | City of Duluth | 46.78255,-92.138753 | ★★★★★★★ ↾ | | | | | X | | X | | | | | | | X | X or | X or | | X | | | X | | X | | $ 513,000 | 8.3 | $ 61,560 |
| USTH 53 (Trinity Rd) & MSAS 198 (Anderson Rd) | City of Duluth | 46.793185,-92.156289 | ★★★★★★★ ↾ | | | | | X | | X | | | | | | X | X or | X or | | X | X | X | | X | | X | | $ 525,000 | 8.3 | $ 63,000 |
| CSAH 9 (Woodland Ave) at W Arrowhead Rd | City of Duluth | 46.825768,-92.071347 | ★★★★★ ↾ | | ★ | | | X | | X | | | | | X | | X or | X or | X | X | | X | | X | | | | $ 390,000 | 6.1 | $ 63,818 |
| TH 194 (Central Ent) & MSAS 182 (Pecan Ave) | City of Duluth | 46.799477,-92.116405 | ★★★★★★ ↾ | | ★ | | | | | X | | | | | X | X | | | | X | X | | | X | | X | X | $ 464,000 | 7.2 | $ 64,246 |
| STH 35 (Tower Ave) & N 31st St | City of Superior | 46.70253,-92.104136 | ★★★★★★ | | | | | | | X | | | | | | X | | | | | X | X | X | X | | X | X | $ 447,000 | 6.7 | $ 67,050 |
| STH 35 (Tower Ave) & N 37th St | City of Superior | 46.695397,-92.104127 | ★★★★★★ | | | | | | | X | | | | | | X | | | | | X | X | X | X | | X | X | $ 447,000 | 6.7 | $ 67,050 |
| Summit Street and Woodland Ave | City of Duluth | 46.817781,-92.077889 | ★★★★★★ ↾ | | ★ | | | X or | | X | | | | X or | | | | | | | X | X | | X | | X | | $ 500,000 | 7.2 | $ 69,231 |
| First Street and 46th Ave W | City of Duluth | 46.744615,-92.1568984 | ★★★★★★★★ | | | | | X or | | X | | | | X or | | | X or | X or | | | X | | X | X | | X | X | $ 637,000 | 8.9 | $ 71,663 |
| Clover Street and Woodland Ave | City of Duluth | 46.8157372,-92.0780403 | ★★★★★★ | | | | | X or | | X | | | | X or | | | | | | X | X | X | X | X | | X | | $ 520,000 | 6.7 | $ 78,000 |
| TH 194 (Mesaba Ave) & MSAS 127 (W 7th St) | City of Duluth | 46.790914,-92.106795 | ★★★★★★ ↾ | ★ | | | | X | | X | | | | | X | X | | | | X | X | | | X | | X | X | $ 575,000 | 7.2 | $ 79,615 |
| 18th Ave E & E 5th St | City of Superior | 46.708897,-92.055627 | ★★★★★★★★ | | | | | X or | | X | | X or | | X or | | | | | | | X | X | X | X | | X | X | $ 883,000 | 8.9 | $ 99,338 |
| MNTH 23 (Grand Ave) & River West Dr/Warkwick St | City of Duluth | 46.714344,-92.203656 | ★★★★★★★ | | | | | X or | | X | | | | X or | | | | | | | X | | X | | | X | | $ 929,000 | 8.9 | $ 104,513 |
| USH 2/USH 53 (E 2nd) & 18th Ave E | City of Superior | 46.71075,-92.052616 | ★★★★★★ ↾ | | | | X | | | | | | | | | X | | | | | X | X | X | | | X | | $ 659,000 | 6.1 | $ 107,836 |
| MNTH 23 (Grand Ave) & MUN 172 (72nd Ave W) | City of Duluth | 46.725327,-92.188433 | ★★★★★★★ ↾ | | | | | X or | | | X | | | X or | | | | | | X | X | | X | | | X | | $ 933,000 | 8.3 | $ 111,960 |
| MNTH 23 (Grand Ave) & MSAS 101 (88th Ave W) | City of Duluth | 46.697136,-92.218051 | ★★★★★★★ | | | | | X or | | | X | | | X or | | | | | | X | | | X | | | X | | $ 933,000 | 7.8 | $ 119,957 |
| TH 194 (Mesaba Ave) & MSAS 126 (W 3rd St) | City of Duluth | 46.783745,-92.108303 | ★★★★★★ | ★ | | | | | X | X | X | | | | | | | | | X | X | | X | | | X | | $ 855,000 | 6.7 | $ 128,250 |
| USTH 53 (Miller Trunk Hwy) & CSAH 17, MSAS 103 (Stebner Rd) | City of Hermantown | 46.827651,-92.195789 | ★★★★★★★ | | | | | | X | X | | | | | X | | | | | X | X | | X | | | X | | $ 1,094,000 | 7.8 | $ 140,657 |
| USTH 53 (Miller Trunk Hwy) & CSAH 91 (Haines Rd) | City of Hermantown | 46.814785,-92.174789 | ★★★★★★★★ | ★ | | | | | X | | X | | | | X | X | | | | X | X | | X | | | X | | $ 1,309,000 | 8.9 | $ 147,263 |
| MNTH 23 (Grand Ave) & MSAS 108, MUN 153 (Raleigh St) | City of Duluth | 46.731269,-92.180057 | ★★★★★★★★★★ | | ★ | | | X | X | | X | | X | | | | | | | X | | | X | | | X | | $ 1,840,000 | 10 | $ 184,000 |
| TH 194 & CSAH 4 (Rice Lake Rd) & MSAS 192 (Central Ent) | City of Duluth | 46.795888,-92.107092 | ★★★★★★ ↾ | | ★ | | | X | | X | X | | | | X | | X or | X or | | X | X | | | X | | X | X | $ 562,000 | 7.2 | $ 77,815 |
| USH 53 (2nd St) & USH 2 (Belknap St) | City of Superior | 46.722281,-92.068439 | ★★★★★★★ ↾ | ★ | | X | | | | | | | | | | X | | | | X | | | | | | | | $ 2,897,000 | 8.3 | $ 347,640 |
| USTH 53 (Miller Trunk Hwy) & MSAS 104, CSAH 32 (W Arrowhead Rd) | City of Hermantown | 46.822112,-92.18676 | ★★★★★★★★ | | | X | | | | X | X | | | | X | X | | | | X | X | X | | X | | X | X | $ 3,153,000 | 8.9 | $ 354,713 |
| College Street and Kenwood Ave | City of Duluth | 46.8167053,-92.1003188 | ★★★★★★★ | | | X | | | | X | X | | | | | | | | | X | X | X | X | X | | X | X | $ 2,843,000 | 7.8 | $ 365,529 |
| STH 35 (Tower Ave) & N 28th St | City of Superior | 46.706188,-92.104047 | ★★★★★★★ ↾ | | | X | | | | X | X | | | | | X | | | | X | X | X | X | X | | X | X | $ 3,095,000 | 8.3 | $ 371,400 |
| STH 35 (Tower Ave) & N 21st St | City of Superior | 46.713416,-92.103969 | ★★★★★★★ ↾ | | | X | | | | X | X | | | | | X | | | | X | X | X | X | X | | X | X | $ 3,095,000 | 8.3 | $ 371,400 |
| Arrowhead Road and Rice Lake Road (CSAH 4) | City of Duluth | 46.822098,-92.12661 | ★★★★★★ ↾ | | | X | | X | | X | | | | | | X | | | | X | | | | | | | | $ 2,939,000 | 7.2 | $ 406,938 |
| USTH 53 (Miller Trunk Hwy) & MSAS 107 (Loberg Ave) | City of Hermantown | 46.81906,-92.181777 | ★★★★★★ | | | X | | | | | | | | | | X | | | | X | | X | | X | | | | $ 2,735,000 | 6.7 | $ 410,250 |
| TH 194 (Central Ent) & MSAS 205, M 494 (Basswood Ave) | City of Duluth | 46.80047,-92.135306 | ★★★★★★ ↾ | | | X | | X | | X | X | | | | | | | | | X | X | X | X | | | X | X | $ 3,041,000 | 7.2 | $ 421,062 |
| TH 194 (Central Ent) & MSAS 198, M 535 (Anderson Rd) | City of Duluth | 46.800664,-92.143421 | ★★★★★★★ | | | X | | X | | X | X | | | | | | X | X or | X or | X | X | X | X | | | X | X | $ 3,293,000 | 7.8 | $ 423,386 |
| TH 53 & MSAS 108 (Cirrus Dr), M166 (Sugar Maple Dr) | City of Hermantown | 46.833594,-92.205486 | ★★★★★ ↾ | | | X | | | | | | | | | | | | | | X | X | X | X | | | X | | $ 2,675,000 | 6.1 | $ 437,727 |
| Michigan Street and 27th Ave W | City of Duluth | 46.760847,-92.131133 | ★★★★★★ ↾ | ★ | | X | | X or | | X | X | | | X or | | | | | | X | X | X | X | X | | X | X | $ 3,184,000 | 7.2 | $ 440,862 |
| TH 194 (Central Ent) & CSAH 90 (Arlington Ave) | City of Duluth | 46.800452,-92.13214 | ★★★★★★ | | ★ | X | | X | | X | X | | | | | | | | | X | X | | X | | | X | X | $ 3,029,000 | 6.7 | $ 454,350 |
| USH 2/USH 53 (E 2nd) & 39th Ave E | City of Superior | 46.689033,-92.025013 | ★★★★★ ↾ | | | X | | X | | | X | | | | | | | | | | X | X | X | | | X | | | $ 2,892,000 | 6.1 | $ 473,236 |
| USTH 53 (Trinity Rd) & MSAS 209, MUN 1414 (Mall Drive) | City of Duluth | 46.801655,-92.154729 | ★★★★★ ↾ | | | X | | | | X | X | | | | | X | | | | X | X | | X | | | X | | $ 2,936,000 | 6.1 | $ 480,436 |
| USTH 53 (Trinity Rd) & USTH 194 (Central Ent) | City of Duluth | 46.804291,-92.153721 | ★★★★★ ↾ | | | X | | | | | | | | | X | | | | | X | X | | X | | | X | | $ 2,963,000 | 6.1 | $ 484,855 |

# Safety Emphasis Area 4

## Urban Intersections
## Bike Ped Crashes

| Road Name | Lat/Long | Municipality | Total Stars | High Social Vulnerability Index Location | Public Input Hotspot Location | High-Severity Crash History (Read Comment) | Conduct a Traffic Study | Install Sidewalk | Install Pedestrian Curb Extensions | Install Median | Reduce Lane Width and Install Median | Install High-Visibility Crosswalks | Left Turn Calming | Extend Median Through Crosswalk | Evaluate Suitability of Existing Lighting System | Install Intersection Lighting | Leading Pedestrian Interval | Install Pedestrian Countdown Timer Signal Indications | Verify/Update Pedestrian Crossing Times | Install RRFB | Install Pedestrian Hybrid Beacon | Install Raised Crosswalk | Install Raised Intersection | Install Bicycle Signal Heads | Bike Box (Two-Stage Turn) | Install Flexible Delineator Posts | Mark Bike Lanes Through Intersection | Use Green Pavement for Bike Lanes | Install Bike Lanes | Reduce Lane Width and Install Bike Lanes | Complete Road Diet Evaluation | Consider Bike Path or Multi-Use Path | Evaluate for Transit Improvements at Nearby Bus Stops | Project Cost Estimate | Weighted Risk Factor | Prioritization ($ per Weighted Risk Factor) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N 1st Ave E, S 1st Ave E, E Superior St, E Superior St | 46.787872,-92.09695 | City of Duluth | ★★★★★★★★ | ★ | | 1 | | | | | | | X | | X | | X | | X | | | | | | | | | | | | | | X | $ 54,000 | 9.4 | $ 5,718 |
| Arrowhead Rd, Arrowhead Rd, Rice Lake Rd | 46.822047,-92.126829 | City of Duluth | ★★★★★★ | | | 0 | | | | | | | | | X | | | | | | | | | | | | | | | | | | X | $ 43,000 | 7.2 | $ 5,954 |
| E Superior St, S 3rd Ave E, N 3rd Ave E | 46.789807,-92.094437 | City of Duluth | ★★★★★★★ | ★ | | 1 | X | | | | | | X | | X | | X | | X | | | | | | | | | | | | | | X | $ 54,000 | 8.9 | $ 6,075 |
| Railroad St, S Lake Ave, Canal Park Dr | 46.784937,-92.095199 | City of Duluth | ★★★★★★ | ★ | | 0 | | | | | | | | | X | | X | | X | | | | | | | | | | | | | | X | $ 46,000 | 7.2 | $ 6,369 |
| N 4th Ave W, S 4th Ave W, W Superior St | 46.783113,-92.103174 | City of Duluth | ★★★★★★★ | ★ | | 1 | | | | | | X | | | X | | X | | X | | | | | | | | | | | | | | X | $ 54,000 | 8.3 | $ 6,480 |
| E Superior St, S 2nd Ave E, N 2nd Ave E, E Superior St | 46.788881,-92.095628 | City of Duluth | ★★★★★★★ | ★ | | 0 | | | | | | X | | | X | | X | | X | | | | | | | | | | | | | | X | $ 54,000 | 7.8 | $ 6,943 |
| N 6th Ave W, S 6th Ave W, W Superior St | 46.781205,-92.105671 | City of Duluth | ★★★★★★★ | ★ | | 0 | | | | | | X | | | X | | X | | X | | | | | | | | | | | | | | X | $ 54,000 | 7.8 | $ 6,943 |
| W Superior St, S 1st Ave W, W Superior St, N 1st Ave W | 46.78597,-92.09938 | City of Duluth | ★★★★★★★ | ★ | | 0 | | | | | | X | | | X | | X | | X | | | | | | | | | | | | | | X | $ 54,000 | 7.8 | $ 6,943 |
| E Superior St, E Superior St, N 12th Ave E, S 12th Ave E | 46.798389,-92.083292 | City of Duluth | ★★★★★★ | | | 0 | | | | | | X | | | X | | X | | X | | | | | | | | | | | | | | X | $ 54,000 | 7.2 | $ 7,477 |
| Mesaba Ave, Mesaba Ave, W 1st St, W 1st St | 46.780927,-92.108057 | City of Duluth | ★★★★★★ | | ★ | 0 | | | | | | X | | | X | | X | | X | | | | | | | | | | | | | | X | $ 70,000 | 7.2 | $ 9,692 |
| US 53 (Trinity Rd), Mall Dr | 46.801647,-92.154711 | City of Duluth | ★★★★★★ | | | 0 | | | | | | X | | | X | | X | | X | | | | | | | | | | | | | | X | $ 70,000 | 7.2 | $ 9,692 |
| N 24th Ave W, N 24th Ave W, W 3rd St, W 3rd St | 46.766138,-92.131292 | City of Duluth | ★★★★★★★ | ★ | | 1 | X | | | | | X | X | | X | | X | X | X | | | | | | | | | | | | | | X | $ 85,000 | 8.3 | $ 10,200 |
| Maple Grove Rd, Maple Grove Rd, Mall Dr, Mall Dr | 46.80756,-92.165403 | City of Duluth | ★★★★★★ | | | 0 | | X | | | | X | | | X | | X | | X | | | | | | | | | | | | | | X | $ 87,000 | 7.2 | $ 12,046 |
| N 5th Ave E, E 2nd St | 46.793089,-92.094084 | City of Duluth | ★★★★★★★ | | | 1 | X | | | | | | | | X | | X | | X | | | | | | | | | | | | | | X | $ 94,000 | 7.8 | $ 12,086 |
| Midway Rd, Midway Rd, Highway 53, Highway 53 | 46.853005,-92.280425 | Canosia Township | ★★★★★★ | | | 0 | | X | | | | X | | | X | | | | | | | | | | | | | | | | | | X | $ 100,000 | 7.2 | $ 13,846 |
| W Superior St, N 40th Ave W, W Superior St | 46.749569,-92.148236 | City of Duluth | ★★★★★★ | | | 0 | | | | | | X | | | | X | | | | | | | | | | | | | | | | X | | X | $ 150,000 | 7.2 | $ 20,769 |
| S 5th Ave W, N 5th Ave W, W Superior St, W Superior St | 46.782185,-92.104402 | City of Duluth | ★★★★★★★ | ★ | | 0 | | | | | | | X | X | X | | X | | X | | | | | | | | | | | | | | X | $ 184,000 | 8.3 | $ 22,080 |
| Tower Ave, N 21st St, N 21st St, Tower Ave | 46.71342,-92.104006 | City of Superior | ★★★★★★★★ | | | 1 | | | | | | X | | X | X | | X | X | X | | | | | | | | | | | | | | X | $ 215,000 | 9.4 | $ 22,765 |
| Maple Grove Rd, Burning Tree Rd, Burning Tree Rd | 46.807567,-92.169205 | City of Duluth | ★★★★★★★ | | | 0 | | | | | | | | X | X | | X | | X | | | | | | | | | | | | | | X | $ 184,000 | 7.8 | $ 23,657 |
| E 2nd St, N 1st Ave E, N 1st Ave E | 46.789237,-92.099117 | City of Duluth | ★★★★★★★ | ★ | | 0 | | | | | | X | | | X | | X | X | X | | | | | X | X | X | X | X | | X or | | | | $ 224,000 | 8.3 | $ 26,880 |
| E 2nd St, N 3rd Ave E | 46.791129,-92.096598 | City of Duluth | ★★★★★★ | ★ | | 0 | | | | | | X | | | X | | | | | | | | | | | | | | | X | X | | X | $ 217,000 | 7.8 | $ 27,900 |
| W 2nd St, N 3rd Ave W | 46.785453,-92.104074 | City of Duluth | ★★★★★★ | ★ | | 0 | | | | | | X | | | X | | X | X | X | | | | | X | X | X | X | X | | X or | X or | | | $ 224,000 | 7.8 | $ 28,800 |
| W 2nd St, N 4th Ave W, N 4th Ave W | 46.784465,-92.105373 | City of Duluth | ★★★★★★★ | ★ | | 0 | | | | | | X | | | X | | X | X | X | | | | | X | X | X | X | X | | X or | X or | | | $ 224,000 | 7.8 | $ 28,800 |
| N 1st Ave W, W 2nd St, N 1st Ave W | 46.787326,-92.101633 | City of Duluth | ★★★★★★★ | ★ | | 0 | | | | | | X | | | X | | X | X | X | | | | | X | X | X | X | X | | X or | X or | | | $ 224,000 | 7.8 | $ 28,800 |
| Tower Ave, Tower Ave, Belknap St, Belknap St | 46.720642,-92.103942 | City of Superior | ★★★★★★ | ★ | | 0 | | | | | | | X | | X | | X | | X | | | | | X | X | X | X | X | | X or | X or | | | $ 211,000 | 7.2 | $ 29,215 |
| Ogden Ave, Belknap St, Belknap St, Ogden Ave | 46.720645,-92.102379 | City of Superior | ★★★★★★★ | ★ | | 0 | | | | | | | X | | X | | X | | X | | | | | X | X | X | X | X | | X or | X or | | X | $ 251,000 | 8.3 | $ 30,120 |
| Belknap St, Lamborn Ave, Grand Ave, Belknap St | 46.72062,-92.09344 | City of Superior | ★★★★★★★ | | | 0 | | | | | | | X | | X | | X | | X | | | | | X | X | X | X | X | | X or | X or | | X | $ 251,000 | 8.3 | $ 30,120 |
| E 2nd St - Hwy 53/2, 39th Ave E | 46.68907,-92.024958 | City of Superior | ★★★★★★★★ | | | 0 | | | | | X | X | | | X | | X | | X | | | | | | | | | | | | | | X | $ 273,000 | 8.9 | $ 30,713 |
| E 2nd St, N 2nd Ave E, N 2nd Ave E | 46.790189,-92.097857 | City of Duluth | ★★★★★★ | ★ | | 0 | | | | | | X | | | X | | X | X | X | | | | | X | X | X | X | X | | X or | X or | | | $ 224,000 | 7.2 | $ 31,015 |
| W 1st St, S 46th Ave W, N 46th Ave W, Mike Colalillo Dr | 46.744573,-92.157187 | City of Duluth | ★★★★★★★ | | | 0 | | | | | X | | | | X | | X | X | X | | | | | | | | | | | | | | X | $ 256,000 | 7.8 | $ 32,914 |
| W 3rd St, N Lake Ave, E 3rd St | 46.788962,-92.101451 | City of Duluth | ★★★★★★ | ★ | | 0 | | | | | X | X | | | X | | X | X | X | | | | | | | | | | | | | | | $ 240,000 | 7.2 | $ 33,231 |
| Grand Ave, Grand Ave, N 40th Ave W, N 40th Ave W | 46.751662,-92.15132 | City of Duluth | ★★★★★★ | | | 0 | | | | X or | | X | X or | | X | | X | X | X | | | | | | | | | | | | | | X | $ 273,000 | 7.8 | $ 35,100 |
| Grand Ave, 88th Ave W | 46.697264,-92.217955 | City of Duluth | ★★★★★★ | | | 0 | | | | | X | | X | | X | | X | | X | | | | | | | | | | | | | | X | $ 257,000 | 7.2 | $ 35,585 |
| E 4th St, N 5th Ave E | 46.794438,-92.09629 | City of Duluth | ★★★★★★★ | ★ | | 0 | | | | | X or | X | X or | | X | | X | | X | | | | | | | | | | | | | | X | $ 280,000 | 7.8 | $ 36,000 |
| Bristol St, Central Ave, Central Ave | 46.737641,-92.166577 | City of Duluth | ★★★★★★ | | | 0 | | | X | | | | | | X | | | | | | | | | | | | | | | X | X | | X | $ 263,000 | 7.2 | $ 36,415 |
| Belknap St, Highway 53, E 2nd St - Hwy 53/2, Marina Dr | 46.722237,-92.068388 | City of Superior | ★★★★★★ | | | 0 | | X | | | | | X | X | | | X | | X | | | | | | | | | | | | | | X | $ 264,000 | 7.2 | $ 36,554 |
| Highway 53, N 5th St | 46.73254,-92.085315 | City of Superior | ★★★★★★ | ★ | | 0 | | | | | | | | | X | | | | | X and/or | X or | X and/or | X and/or | | | | | | | | | | X | $ 273,000 | 7.2 | $ 37,800 |
| N 59th Ave W, Grand Ave, S 59th Ave W, Grand Ave | 46.736908,-92.171989 | City of Duluth | ★★★★★★ | | | 0 | | | | | X | X | | X | X | | X | | X | | | | | X | X | X | X | X | X | | | | X | $ 294,000 | 7.8 | $ 37,800 |
| US 53, US 53, S Arlington Ave | 46.782563,-92.138722 | City of Duluth | ★★★★★★★ | | | 0 | | X | | | X | | | | X | | X | | X | | | | | | | | | | | | | | | $ 297,000 | 7.8 | $ 38,186 |
| N Lake Ave, W 1st St, E 1st St | 46.787635,-92.099302 | City of Duluth | ★★★★★★★ | ★ | | 0 | | | | | | X | X | | X | | X | X | X | | | | | | | | | | | | X | | X | $ 325,000 | 8.3 | $ 39,000 |
| Ramsey St, Grand Ave | 46.739014,-92.169151 | City of Duluth | ★★★★★★★ | | | 0 | | | | | X | X | | | X | | X | X | X | | | | | X | X | X | X | X | X | | | | X | $ 323,000 | 7.8 | $ 41,529 |
| N 6th Ave E, E 4th St, N 6th Ave E | 46.795355,-92.095123 | City of Duluth | ★★★★★★★ | ★ | | 1 | X | | | | | X | | | X | | X | | X | | | | | | | | | | | | X | | X | $ 393,000 | 8.9 | $ 44,213 |
| US 53, Maple Grove Rd | 46.807792,-92.163401 | City of Duluth | ★★★★★★ | | | 0 | | X | | | | | X | | X | | X | | X | | | | | | | | | | | | | X | | $ 323,000 | 7.2 | $ 44,723 |
| E Central Entrance, Rice Lake Rd, N Central Entrance, Mesaba Ave | 46.795862,-92.107036 | City of Duluth | ★★★★★★★ | | ★ | 0 | | | | | X | | | X | X | | X | | X | | | | | | | | | | | | | | X | $ 353,000 | 7.8 | $ 45,386 |
| E Superior St, N 4th Ave E | 46.790771,-92.093213 | City of Duluth | ★★★★★★★ | | | 1 | X | | X | | | X | X | | X | | | | | X and/or | X or | X and/or | X and/or | | | | | | | | | | X | $ 405,000 | 8.3 | $ 48,600 |
| Tower Ave, N 31st St | 46.702589,-92.10406 | City of Superior | ★★★★★★★★ | | | 0 | | | | | | X | | | X | | X | X | X | | | | | | | | | | | | | | X | $ 502,000 | 10 | $ 50,200 |
| S Lake Ave, W Superior St, N Lake Ave, E Superior St | 46.786944,-92.098145 | City of Duluth | ★★★★★★★★ | ★ | ★ | 3 | X | | X | | | X | X | | X | | X | X | X | | | | | X | | | X | | | | | | X | $ 476,000 | 9.4 | $ 50,400 |
| Central Ave, Ramsey St, Ramsey St | 46.73891,-92.166567 | City of Duluth | ★★★★★★★ | | | 0 | | | | | X or | X | X or | | X | | X | X | X | | | | | | | | | | | X | X | | X | $ 400,000 | 7.8 | $ 51,429 |
| Tower Ave, Tower Ave, N 34th St, N 34th St | 46.698911,-92.104079 | City of Superior | ★★★★★★ | | | 0 | | X | | | | X | | | X | | | | | X and/or | X or | X and/or | X and/or | | | | | | | | | | X | $ 380,000 | 7.2 | $ 52,615 |
| E St Marie St, Woodland Ave, W Saint Marie St | 46.822148,-92.074099 | City of Duluth | ★★★★★★★ | | | 0 | | | | | X | X | | | X | | X | X | X | | | | | | | | | | | | X | | | $ 420,000 | 7.8 | $ 54,000 |
| Woodland Ave, Clover St | 46.815825,-92.078254 | City of Duluth | ★★★★★★★ | | | 0 | | | | | X | X | | | X | | X | X | X | | | | | | | | | | | | X | | | $ 420,000 | 7.8 | $ 54,000 |
| Woodland Ave, Summit St | 46.817772,-92.077898 | City of Duluth | ★★★★★★★ | | | 0 | | | | | X | X | | | X | | X | | X | | | | | | | | | | | | X | | X | $ 453,000 | 8.3 | $ 54,360 |
| N 6th Ave E, E 3rd St, N 6th Ave E, N 6th Ave E, E 3rd St | 46.79468,-92.094027 | City of Duluth | ★★★★★★ | ★ | | 0 | | | | | X | X | | | X | | X | X | X | | | | | | | | | | | | X | | X | $ 424,000 | 7.8 | $ 54,514 |
| N Lake Ave, E 2nd St, W 2nd St, N Lake Ave | 46.788296,-92.100372 | City of Duluth | ★★★★★★★ | ★ | | 0 | | | | | X | X | | | X | | X | X | X | | | | | X | X | X | X | X | | X or | X or | | X | $ 473,000 | 8.3 | $ 56,760 |
| N Cental Ave, Grand Ave, Central Ave, Grand Ave | 46.740858,-92.166553 | City of Duluth | ★★★★★★★ | | | 0 | | | | | X | X | | | X | | X | | X | | | | | X | X | X | X | X | X | X | X | | X | $ 442,000 | 7.8 | $ 56,829 |
| US 53, Maple Burning Tree Rd | 46.81089,-92.168446 | City of Duluth | ★★★★★★ | ★ | | 0 | | X | | | | X | | X | X | | X | | X | | | | | | | | | | | | | X | | $ 416,000 | 7.2 | $ 57,600 |
| US 53, Cottonwood Ave/Loberg Ave | 46.805561,-92.156889 | City of Duluth | ★★★★★★★ | | | 0 | | X | | | | X | | X | X | | X | | X | | | | | X | X | X | X | X | | X or | | X | | $ 453,000 | 7.8 | $ 58,243 |
| E Central Entrance, S Arlington Ave | 46.800418,-92.132132 | City of Duluth | ★★★★★★★ | | | 0 | | | | | X or | | X or | | X | | X | | X | | | | | | | | | | | | | X | X | $ 489,000 | 8.3 | $ 58,680 |
| Tower Ave, N 20th St | 46.714713,-92.103983 | City of Superior | ★★★★★★★★ | | | 0 | | | X | X | | X | | X | X | | | | | X and/or | X or | X and/or | X and/or | | | | | | | | | | X | $ 564,000 | 8.9 | $ 63,450 |
| N 2nd Ave W, W 2nd St | 46.786435,-92.102837 | City of Duluth | ★★★★★★★★ | ★ | | 1 | X | | | | | X | | | X | | X | X | X | | | | | X | X | X | X | X | | X or | X or | | | $ 612,000 | 9.4 | $ 64,800 |
| Belknap St, Hughitt Ave | 46.720639,-92.099447 | City of Superior | ★★★★★★ | | | 0 | | | | | | | X | | X | | | | | X and/or | X or | X and/or | X and/or | X | X | X | X | X | | X or | X or | | X | $ 478,000 | 7.2 | $ 66,185 |
| Tower Ave, N 40th St | 46.6917,-92.104146 | City of Superior | ★★★★★★ | | | 0 | | X | | | | X | | X | X | | | | | X and/or | X or | X and/or | X and/or | | | | | | | | | | | $ 478,000 | 7.2 | $ 66,185 |
| E 3rd St, E 3rd St, N 3rd Ave E | 46.791815,-92.097719 | City of Duluth | ★★★★★★★ | ★ | | 1 | X | | X | | | X | | | X | | | | | | | | | | | | X | | X | | | | | $ 516,000 | 7.8 | $ 66,343 |
| Tower Ave, N 17th St | 46.718164,-92.103965 | City of Superior | ★★★★★★★ | | | 0 | | | X | X | | X | | | X | | | | | X and/or | X or | X and/or | X and/or | | | | | | | | | | | $ 553,000 | 8.3 | $ 66,360 |
| Tower Ave, N 19th St | 46.715859,-92.103961 | City of Superior | ★★★★★★★ | | | 0 | | | X | X | | X | | | X | | | | | X and/or | X or | X and/or | X and/or | | | | | | | | | | | $ 553,000 | 8.3 | $ 66,360 |
| W Central Entrance, Basswood Ave | 46.800474,-92.135306 | City of Duluth | ★★★★★★ | | | 0 | | | | | X or | | X or | | X | | X | | X | | | | | | | | | | | | | X | X | $ 489,000 | 7.2 | $ 67,708 |
| Haines Rd, Arrowhead Rd, Haines Rd, Arrowhead Rd | 46.822086,-92.174837 | City of Hermantown | ★★★★★★ | ★ | | 0 | | X | | | | X | | | X | | X | X | X | | | | | | | | | | | | | | X | $ 533,000 | 7.8 | $ 68,529 |
| Tower Ave, N 23rd St | 46.710983,-92.104012 | City of Superior | ★★★★★★ | | | 0 | | | | | X | X | | | X | | | | | X and/or | X or | X and/or | X and/or | | | | | | | | | | X | $ 500,000 | 7.2 | $ 69,231 |
| Woodland Ave, Woodland Ave, E Oxford St | 46.831266,-92.072396 | City of Duluth | ★★★★★★ | | | 0 | | | | | X or | X | X or | | X | | | | | X and/or | X or | X and/or | X and/or | | | | | | | | | | X | $ 506,000 | 7.2 | $ 70,062 |
| W Central Entrance, Mall Dr | 46.802217,-92.148685 | City of Duluth | ★★★★★★★ | | | 0 | | X | | | X | | | | X | | X | | X | | | | | | | | | | | | | X | X | $ 565,000 | 7.8 | $ 72,643 |
| Highway 53, Grand Ave, Grand Ave | 46.733759,-92.093319 | City of Superior | ★★★★★★★ | ★ | | 0 | | X | X | X | | X | | | X | | | | | X and/or | X or | X and/or | X and/or | | | | | | | | | | | $ 620,000 | 8.3 | $ 74,400 |
| E 2nd St - Hwy 53/2, E 2nd St - Hwy 53/2, E 3rd St | 46.67769,-92.01047 | City of Superior | ★★★★★★ | | | 0 | | X | | | | X | | | X | | | | | X and/or | X or | X and/or | X and/or | | | | | | | | | | | $ 548,000 | 7.2 | $ 75,877 |
| Tower Ave, Tower Ave, N 37th St, N 37th St | 46.695387,-92.10411 | City of Superior | ★★★★★★★ | | | 0 | | | | | | X | | X | X | | X | X | X | | | | | | | | | | | | | X | X | $ 640,000 | 8.3 | $ 76,800 |
| Hammond Ave, N 7th St | 46.730219,-92.097852 | City of Superior | ★★★★★★ | ★ | | 0 | | | X | | | X | | | X | | | | | X and/or | X or | X and/or | X and/or | | | | | | | | | | | $ 560,000 | 7.2 | $ 77,538 |
| Tower Ave, Tower Ave, N 16th St | 46.719309,-92.103964 | City of Superior | ★★★★★★★★ | | | 1 | X | | X | | X | X | | | X | | | | | X | | X or | X or | | | | | | | | | | X | $ 808,000 | 9.4 | $ 85,553 |
| N 6th Ave E, E 6th St | 46.7967,-92.097284 | City of Duluth | ★★★★★★★ | ★ | | 1 | X | | X | | | | | | X | | | | | | | | | | | | | | | | X | | X | $ 675,000 | 7.8 | $ 86,786 |
| E 9th St, N Central Entrance, N 6th Ave E | 46.798692,-92.100577 | City of Duluth | ★★★★★★★ | | | 0 | X | | | | X | X | | | X | | X | | X | | | | | | | | | | | | X | | X | $ 845,000 | 8.3 | $ 101,400 |
| Tower Ave, N 18th St | 46.717022,-92.10396 | City of Superior | ★★★★★★★★ | | | 0 | X | | X | X | | X | | | X | | | | | X and/or | X or | X and/or | X and/or | | | | | | | | | | X | $ 981,000 | 8.9 | $ 110,363 |
| Grand Ave, N 6th St | 46.731369,-92.093355 | City of Duluth | ★★★★★★★ | ★ | | 1 | X | | X | | X or | | X or | | X | | | | | X and/or | X or | X and/or | X and/or | | | | | | | | | | X | $ 978,000 | 7.8 | $ 125,743 |
| N Central Entrance, E 10th St | 46.798724,-92.102459 | City of Duluth | ★★★★★★ | | | 0 | X | | | | X | X | | | X | | | | | X and/or | X or | X and/or | X and/or | | | | | | | | | | X | $ 1,072,000 | 7.2 | $ 148,431 |
| Winter St, Hammond Ave, Winter St | 46.727879,-92.097828 | City of Superior | ★★★★★★★ | ★ | | 2 | X | X | | | X | X | | | X | | X | | X | | | | | | | | | | | | | | | $ 1,808,000 | 7.8 | $ 232,457 |
| N 27th Ave W, W Superior St, W Superior St | 46.761256,-92.13176 | City of Duluth | ★★★★★★★ | ★ | ★ | 1 | X | | | | X or | | X or | | X | | X | X | X | | | | | X | X | X | X | X | | | | | X | $ 1,841,000 | 7.8 | $ 236,700 |
| Belknap St, Catlin Ave, Catlin Ave | 46.720595,-92.087471 | City of Superior | ★★★★★★ | | | 2 | X | | | | | X | | | X | | X | | X | | | | | X | X | X | X | X | | X or | X or | | X | $ 1,799,000 | 7.2 | $ 249,092 |
| Tower Ave, N 28th Ave, N 28th St, Tower Ave | 46.706202,-92.104034 | City of Superior | ★★★★★★★★ | | | 2 | X | | | | | X | | | X | | X | X | X | | | | | | | | | | | | | | X | $ 2,725,000 | 10 | $ 272,500 |
| Hammond Ave, N 6th St | 46.731377,-92.097843 | City of Superior | ★★★★★★ | ★ | | 0 | X | | X | | X | X | | | X | | | | | X and/or | X or | X and/or | X and/or | | | | | | | | | | X | $ 2,148,000 | 7.2 | $ 297,415 |
| Belknap St, Hammond Ave | 46.720626,-92.097883 | City of Superior | ★★★★★★★ | | | 0 | X | | | | | | X | | X | | X | | X | | | | | X | X | X | X | X | | X or | X or | | X | $ 2,903,000 | 8.3 | $ 348,360 |
| E Central Entrance, Pecan Ave | 46.799475,-92.116465 | City of Duluth | ★★★★★★★ | | ★ | 1 | X | | | | | | | X | X | | X | X | X | | | | | | | | | | | | | X | X | $ 3,004,000 | 7.8 | $ 386,229 |
| Miller Trunk Hwy, W Central Entrance, US 53 (Trinity Rd), Joshua Ave | 46.804276,-92.153697 | City of Duluth | ★★★★★★★ | | | 0 | X | X | | | | | | X | X | | X | | X | | | | | | | | | | | | | X | | $ 3,040,000 | 7.8 | $ 390,857 |
| E Central Entrance, Blackman Ave | 46.800081,-92.121644 | City of Duluth | ★★★★★★★ | | | 1 | X | | | | X | X | | | | X | | | | X and/or | X or | X and/or | X and/or | | | | | | | | | | X | X | $ 3,404,000 | 7.8 | $ 437,657 |

# Attachment 3: Recommended Safety Projects Prioritized by Implementation Timeline

# Safety Emphasis Area 1 (Segments)

## Rural Two-Lane Undivided Roads
## With AADT Less Than 5,000
**(Roads on the Functional Classification System)**

| Road Name | State | County | Municipality | Speed Limit (mph) | Number of KAB Crashes | Length (miles) | AADT | Total Stars | High Social Vulnerability Index Location | Public Input Hotspot Location | Project Cost Estimate (No Overlap with Curves) | Project Cost Estimate (Including Costs for Curves) | Weighted Risk Factor | Segment: Prioritization ($ per Weighted Risk Factor) | Segment + Curve: Prioritization ($ per Weighted Risk Factor) | Implementation Timeline Priority |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Swan Lake Rd | Minnesota | Saint Louis | City of Duluth | 30 | 0 | 1.2 | 3000 | ★★★★ | ★ | | $ 125,000 | $ 130,000 | 8 | $ 15,625 | $ 16,250 | **Short-term** |
| Lavaque Rd | Minnesota | Saint Louis | City of Hermantown | 45 | 2 | 0.7 | 3500 | ★★★½ | | | $ 48,000 | $ 48,000 | 7 | $ 6,857 | $ 6,857 | Short-term |
| Schultz Rd | Minnesota | Saint Louis | City of Rice Lake | 55 | 0 | 1.0 | 115 | ★★★½ | | | $ 59,000 | $ 59,000 | 7 | $ 8,429 | $ 8,429 | Short-term |
| Morris Thomas Rd | Minnesota | Saint Louis | City of Hermantown | 55 | 1 | 1.7 | 2200 | ★★★½ | | | $ 111,000 | $ 111,000 | 7 | $ 15,857 | $ 15,857 | Short-term |
| Schultz Rd | Minnesota | Saint Louis | City of Rice Lake | 55 | 0 | 2.0 | 170 | ★★★½ | | | $ 116,000 | $ 116,000 | 7 | $ 16,571 | $ 16,571 | Short-term |
| Ryan Rd | Minnesota | Saint Louis | Duluth Township | 50 | 0 | 0.3 | 364 | ★★★★★ | | | $ 151,000 | $ 169,000 | 10 | $ 15,100 | $ 16,900 | Short-term |
| Occidental Blvd | Minnesota | Saint Louis | City of Duluth | 30 | 0 | 0.4 | 348 | ★★★★ | | | $ 129,000 | $ 136,000 | 8 | $ 16,125 | $ 17,000 | Short-term |
| CTH A | Wisconsin | Douglas | Superior Township | 55 | 0 | 0.7 | 970 | ★★★★ | | | $ 142,000 | $ 183,000 | 8 | $ 17,750 | $ 22,875 | Short-term |
| Saginaw Rd | Minnesota | Saint Louis | Solway Township | 55 | 0 | 0.4 | 225 | ★★★★ | | | $ 177,000 | $ 185,000 | 8 | $ 22,125 | $ 23,125 | Short-term |
| CTH A | Wisconsin | Douglas | Superior Township | 40 | 0 | 1.3 | 730 | ★★★★½ | | | $ 154,000 | $ 274,000 | 9 | $ 17,111 | $ 30,444 | Short-term |
| Swan Lake Rd | Minnesota | Saint Louis | City of Hermantown | 55 | 0 | 0.7 | 1400 | ★★★½ | ★ | | $ 310,000 | $ 404,000 | 7 | $ 44,286 | $ 57,714 | **Short-term** |
| E Skyline Pkwy | Minnesota | Saint Louis | City of Duluth | 40 | 0 | 0.7 | 1450 | ★★★★ | | ★ | $ 460,000 | $ 475,000 | 8 | $ 57,500 | $ 59,375 | **Short-term** |
| W Skyline Pkwy | Minnesota | Saint Louis | City of Duluth | 30 | 3 | 1.7 | 1580 | ★★★★ | | ★ | $ 710,000 | $ 758,000 | 8 | $ 88,750 | $ 94,750 | **Short-term** |
| CTH U | Wisconsin | Douglas | Lakeside Township | 30 | 0 | 0.9 | 90 | ★★★★ | | | $ 214,000 | $ 462,000 | 8 | $ 26,750 | $ 57,750 | Mid-term |
| Ryan Rd | Minnesota | Saint Louis | Duluth Township | 55 | 0 | 0.2 | 364 | ★★★★ | | | $ 89,000 | $ 480,000 | 8 | $ 11,125 | $ 60,000 | Mid-term |
| CTH K | Wisconsin | Douglas | Parkland Township | 55 | 1 | 1.8 | 1200 | ★★★★½ | | | $ 556,000 | $ 556,000 | 9 | $ 61,778 | $ 61,778 | Mid-term |
| Becks Rd | Minnesota | Saint Louis | Midway Township | 55 | 1 | 1.1 | 670 | ★★★★½ | | | $ 417,000 | $ 581,000 | 9 | $ 46,333 | $ 64,556 | Mid-term |
| CTH E | Wisconsin | Douglas | Parkland Township | 55 | 0 | 1.0 | 2000 | ★★★½ | | | $ 459,000 | $ 459,000 | 7 | $ 65,571 | $ 65,571 | Mid-term |
| S Chicago Ave | Wisconsin | Douglas | Village of Oliver | 45 | 3 | 1.3 | 2300 | ★★★★★½ | | | $ 472,000 | $ 747,000 | 11 | $ 42,909 | $ 67,909 | Mid-term |
| Hermantown Rd | Minnesota | Saint Louis | City of Hermantown | 55 | 0 | 1.0 | 2800 | ★★★★ | | | $ 549,000 | $ 573,000 | 8 | $ 68,625 | $ 71,625 | Mid-term |
| Seven Bridges Rd | Minnesota | Saint Louis | City of Duluth | 45 | 1 | 1.4 | 348 | ★★★★ | | | $ 537,000 | $ 617,000 | 8 | $ 67,125 | $ 77,125 | Mid-term |
| Lester River Rd | Minnesota | Saint Louis | Lakewood Township | 45 | 0 | 3.6 | 2000 | ★★★★½ | | | $ 788,000 | $ 1,036,000 | 10 | $ 78,800 | $ 103,600 | Long-term |
| CTH K | Wisconsin | Douglas | Parkland Township | 55 | 1 | 2.5 | 850 | ★★★½ | | | $ 753,000 | $ 753,000 | 7 | $ 107,571 | $ 107,571 | Long-term |
| CTH D | Wisconsin | Douglas | Lakeside Township | 55 | 0 | 2.5 | 1400 | ★★★½ | | | $ 840,000 | $ 850,000 | 7 | $ 120,000 | $ 121,429 | Long-term |
| W Skyline Pkwy | Minnesota | Saint Louis | City of Proctor | 30 | 0 | 1.8 | 680 | ★★★½ | | | $ 793,000 | $ 852,000 | 7 | $ 113,286 | $ 121,714 | Long-term |
| W Calvary Rd | Minnesota | Saint Louis | City of Rice Lake | 55 | 1 | 2.0 | 1650 | ★★★½ | | | $ 984,000 | $ 923,000 | 7 | $ 140,571 | $ 131,857 | Long-term |
| CTH C | Wisconsin | Douglas | Parkland Township | 30 | 1 | 4.0 | 1000 | ★★★★ | | | $ 1,211,000 | $ 1,211,000 | 8 | $ 151,375 | $ 151,375 | Long-term |
| CTH C | Wisconsin | Douglas | Parkland Township | 55 | 0 | 2.7 | 750 | ★★★½ | | | $ 1,334,000 | $ 1,334,000 | 7 | $ 190,571 | $ 190,571 | Long-term |
| CTH W | Wisconsin | Douglas | Superior Township | 30 | 0 | 3.7 | 270 | ★★★½ | | | $ 1,590,000 | $ 1,719,000 | 7 | $ 227,143 | $ 245,571 | Long-term |
| CTH 8 | Minnesota | Saint Louis | Grand Lake Township | 30 | 0 | 0.8 | 120 | ★★★★ | | | $ - | $ - | 8 | $ - | $ - | n/a |
| W Skyline | Minnesota | Saint Louis | Midway Township | 30 | 0 | 0.5 | 680 | ★★★½ | | | $ - | $ 5,000 | 7 | $ - | $ 714 | n/a |

# Safety Emphasis Area 1 (Curves)

## Rural Two-Lane Undivided Roads

## With AADT Less Than 5,000

**(Roads on the Functional Classification System)**

| Road Name | State | County | Municipality | Lat/Long | Speed Limit (mph) | Curve Advisory Speed (mph) | Length (miles) | AADT | Total Stars | High Social Vulnerability Index Location | Public Input Hotspot Location | Project Cost Estimate (No Overlap with Segments) | Project Cost Estimate (Assumes Standalone Projects for Each Curve) | Risk Prioritization Weight | Curve Cost Prioritization ($/Risk Weight) | Implementation Timeline Priority |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Swan Lake Rd | Minnesota | Saint Louis | City of Duluth | 46°49'14.32"N, 92° 8'59.53"W | 30 | No Posting | 1.2 | 3000 | ★½ | ★ | | $ 5,000 | $ 10,311 | 3.75 | $ 2,750 | **Short-term** |
| Occidental Blvd | Minnesota | Saint Louis | City of Duluth | 46°50'38.96"N, 92° 0'37.28"W | 30 | 20 | 0.4 | 348 | ★★★ | | | $ 3,000 | $ 4,423 | 7.5 | $ 590 | Short-term |
| CTH W | Wisconsin | Douglas | Superior Township | 46°33'7.90"N, 92°14'49.97"W | 55 | No Posting | 3.7 | 270 | ★★★ | | | $ 5,000 | $ 5,000 | 7.5 | $ 667 | Short-term |
| TH 39/E McCuen St | Minnesota | Saint Louis | City of Duluth | 46°39'22.28"N, 92°12'30.51"W | 35 | 25 | 0.6 | 2300 | ★★★½ | | | $ 7,000 | $ 7,000 | 8.75 | $ 800 | Short-term |
| CTH W | Wisconsin | Douglas | Superior Township | 46°33'14.72"N, 92°14'41.78"W | 55 | No Posting | 3.7 | 270 | ★★½ | | | $ 5,000 | $ 5,000 | 6.25 | $ 800 | Short-term |
| N 58th St | Wisconsin | Douglas | City of Superior | 46°40'11.71"N, 92° 4'37.88"W | 30 | 15 | 1.0 | 2000 | ★★½ | | | $ 7,000 | $ 7,000 | 6.25 | $ 1,120 | Short-term |
| W Skyline Pkwy | Minnesota | Saint Louis | City of Duluth | 46°43'30.81"N, 92°13'1.44"W | 30 | 15 | 0.2 | 4150 | ★★½ | | | $ 8,000 | $ 8,000 | 6.25 | $ 1,280 | Short-term |
| CTH W | Wisconsin | Douglas | Superior Township | 46°33'35.00"N, 92°14'30.95"W | 55 | No Posting | 3.7 | 270 | ★½ | | | $ 5,000 | $ 5,000 | 3.75 | $ 1,333 | Short-term |
| CTH W | Wisconsin | Douglas | Superior Township | 46°32'50.16"N, 92°14'45.21"W | 55 | No Posting | 3.7 | 270 | ★½ | | | $ 5,000 | $ 5,000 | 3.75 | $ 1,333 | Short-term |
| W Skyline | Minnesota | Saint Louis | Midway Township | 46°41'30.87"N, 92°16'17.07"W | 30 | No Posting | 0.5 | 680 | ★½ | | | $ 5,000 | $ 5,000 | 3.75 | $ 1,333 | Short-term |
| Occidental Blvd | Minnesota | Saint Louis | City of Duluth | 46°50'29.15"N, 92° 0'36.58"W | 30 | 20 | 0.4 | 348 | ★★½ | | | $ 4,000 | $ 8,999 | 6.25 | $ 1,440 | Short-term |
| W Skyline Pkwy | Minnesota | Saint Louis | City of Duluth | 46°42'53.93"N, 92°13'10.82"W | 30 | No Posting | 1.8 | 680 | ★★ | | | $ 5,000 | $ 7,731 | 5 | $ 1,546 | Short-term |
| Seven Bridges Rd | Minnesota | Saint Louis | City of Duluth | 46°51'31.91"N, 92° 0'49.93"W | 30 | No Posting | 1.4 | 348 | ★½ | | | $ 5,000 | $ 6,871 | 3.75 | $ 1,832 | Short-term |
| Seven Bridges Rd | Minnesota | Saint Louis | City of Duluth | 46°50'54.58"N, 92° 0'37.47"W | 30 | No Posting | 1.4 | 348 | ★½ | | | $ 5,000 | $ 6,914 | 3.75 | $ 1,844 | Short-term |
| Seven Bridges Rd | Minnesota | Saint Louis | City of Duluth | 46°51'37.43"N, 92° 0'50.40"W | 30 | No Posting | 1.4 | 348 | ★½ | | | $ 5,000 | $ 7,131 | 3.75 | $ 1,902 | Short-term |
| CTH 8 | Minnesota | Saint Louis | Grand Lake Township | 46°55'24.22"N, 92°24'46.07"W | 55 | No Posting | 0.8 | 120 | ★★★½ | | | $ 18,000 | $ 18,000 | 8.75 | $ 2,057 | Short-term |
| CTH W | Wisconsin | Douglas | Superior Township | 46°32'43.85"N, 92°14'38.17"W | 55 | 25 | 3.7 | 270 | ★★½ | | | $ 14,000 | $ 14,000 | 6.25 | $ 2,240 | Short-term |
| W Skyline Pkwy | Minnesota | Saint Louis | City of Proctor | 46°43'23.51"N, 92°13'11.14"W | 30 | No Posting | 1.8 | 680 | ★½ | | | $ 5,000 | $ 8,697 | 3.75 | $ 2,319 | Short-term |
| W Skyline Pkwy | Minnesota | Saint Louis | City of Proctor | 46°43'22.99"N, 92°13'17.74"W | 30 | No Posting | 1.8 | 680 | ★½ | | | $ 5,000 | $ 9,326 | 3.75 | $ 2,487 | Short-term |
| Seven Bridges Rd | Minnesota | Saint Louis | City of Duluth | 46°50'48.29"N, 92° 0'31.15"W | 30 | No Posting | 1.4 | 348 | ★½ | | | $ 5,000 | $ 9,850 | 3.75 | $ 2,627 | Short-term |
| W Skyline Pkwy | Minnesota | Saint Louis | City of Proctor | 46°43'17.59"N, 92°13'10.82"W | 30 | No Posting | 1.8 | 680 | ★½ | | | $ 9,000 | $ 12,360 | 3.75 | $ 3,296 | Short-term |
| Seven Bridges Rd | Minnesota | Saint Louis | City of Duluth | 46°51'37.71"N, 92° 0'53.23"W | 30 | No Posting | 1.4 | 348 | ★½ | | | $ 5,000 | $ 12,586 | 3.75 | $ 3,356 | Short-term |
| N 58th St | Wisconsin | Douglas | City of Superior | 46°40'9.80"N, 92° 4'40.55"W | 30 | 15 | 1.0 | 2000 | ★★½ | | | $ 21,000 | $ 21,000 | 6.25 | $ 3,360 | Short-term |
| Seven Bridges Rd | Minnesota | Saint Louis | City of Duluth | 46°51'38.94"N, 92° 0'53.12"W | 30 | No Posting | 1.4 | 348 | ★½ | | | $ 5,000 | $ 13,300 | 3.75 | $ 3,547 | Short-term |
| Hermantown Rd | Minnesota | Saint Louis | City of Hermantown | 46°47'22.55"N, 92°10'44.21"W | 40 | No Posting | 1.0 | 2800 | ★ | | | $ 5,000 | $ 9,563 | 2.5 | $ 3,825 | Short-term |
| Seven Bridges Rd | Minnesota | Saint Louis | City of Duluth | 46°50'39.74"N, 92° 0'36.34"W | 30 | No Posting | 1.4 | 348 | ★½ | | | $ 5,000 | $ 14,549 | 3.75 | $ 3,880 | Short-term |
| W Skyline Pkwy | Minnesota | Saint Louis | City of Duluth | 46°42'57.02"N, 92°13'20.75"W | 30 | No Posting | 1.8 | 680 | ★½ | | | $ 5,000 | $ 14,927 | 3.75 | $ 3,980 | Short-term |
| Seven Bridges Rd | Minnesota | Saint Louis | City of Duluth | 46°51'33.51"N, 92° 0'49.84"W | 30 | No Posting | 1.4 | 348 | ★½ | | | $ 5,000 | $ 15,270 | 3.75 | $ 4,072 | Short-term |
| Hermantown Rd | Minnesota | Saint Louis | City of Hermantown | 46°47'22.30"N, 92°10'31.24"W | 40 | No Posting | 1.0 | 2800 | ★★ | | | $ 19,000 | $ 21,313 | 5 | $ 4,263 | Short-term |
| E Skyline Pkwy | Minnesota | Saint Louis | City of Duluth | 46°48'43.37"N, 92° 5'26.53"W | 30 | 15 | 0.7 | 1450 | ★★½ | | ★ | $ 5,000 | $ 33,132 | 6.25 | $ 5,301 | **Short-term** |
| E Skyline Pkwy | Minnesota | Saint Louis | City of Duluth | 46°48'30.26"N, 92° 5'37.26"W | 30 | No Posting | 0.7 | 1450 | ★½ | | ★ | $ 5,000 | $ 23,081 | 3.75 | $ 6,155 | **Short-term** |
| W Skyline Pkwy | Minnesota | Saint Louis | City of Duluth | 46°46'27.20"N, 92° 7'25.88"W | 30 | No Posting | 1.7 | 1580 | ★ | ★ | | $ 5,000 | $ 19,671 | 2.5 | $ 7,868 | **Short-term** |
| W Skyline Pkwy | Minnesota | Saint Louis | City of Duluth | 46°46'24.45"N, 92° 7'38.55"W | 30 | No Posting | 1.7 | 1580 | ★½ | ★ | ★ | $ 5,000 | $ 54,203 | 3.75 | $ 14,454 | **Short-term** |
| Maple Grove Rd | Minnesota | Saint Louis | Solway Township | 46°48'27.56"N, 92°20'0.41"W | 50 | 25 | 1.1 | 1466 | ★★★ | | | $ 38,000 | $ 38,000 | 7.5 | $ 5,067 | Mid-term |
| W Skyline Pkwy | Minnesota | Saint Louis | City of Duluth | 46°46'43.40"N, 92° 7'15.66"W | 30 | No Posting | 1.7 | 1580 | ★★ | | | $ 5,000 | $ 25,536 | 5 | $ 5,107 | Mid-term |
| Seven Bridges Rd | Minnesota | Saint Louis | City of Duluth | 46°51'34.99"N, 92° 0'51.90"W | 30 | No Posting | 1.4 | 348 | ★½ | | | $ 5,000 | $ 19,205 | 3.75 | $ 5,121 | Mid-term |
| Ryan Rd | Minnesota | Saint Louis | Duluth Township | 46°54'1.71"N, 91°53'51.94"W | 30 | No Posting | 0.3 | 364 | ★½ | | | $ 18,000 | $ 20,351 | 3.75 | $ 5,427 | Mid-term |
| W Skyline Pkwy | Minnesota | Saint Louis | City of Duluth | 46°46'41.36"N, 92° 7'16.51"W | 30 | No Posting | 1.7 | 1580 | ★★ | | | $ 5,000 | $ 27,208 | 5 | $ 5,442 | Mid-term |
| Seven Bridges Rd | Minnesota | Saint Louis | City of Duluth | 46°51'14.71"N, 92° 0'38.94"W | 30 | No Posting | 1.4 | 348 | ★★ | | | $ 5,000 | $ 27,660 | 5 | $ 5,532 | Mid-term |
| Seven Bridges Rd | Minnesota | Saint Louis | City of Duluth | 46°51'2.51"N, 92° 0'43.88"W | 30 | No Posting | 1.4 | 348 | ★½ | | | $ 5,000 | $ 22,320 | 3.75 | $ 5,952 | Mid-term |
| Seven Bridges Rd | Minnesota | Saint Louis | City of Duluth | 46°51'28.76"N, 92° 0'46.21"W | 30 | No Posting | 1.4 | 348 | ★½ | | | $ 5,000 | $ 22,893 | 3.75 | $ 6,105 | Mid-term |
| Seven Bridges Rd | Minnesota | Saint Louis | City of Duluth | 46°51'16.37"N, 92° 0'45.02"W | 30 | No Posting | 1.4 | 348 | ★½ | | | $ 5,000 | $ 23,534 | 3.75 | $ 6,276 | Mid-term |
| S Chicago Ave | Wisconsin | Douglas | Village of Oliver | 46°38'42.53"N, 92°11'32.99"W | 55 | 25 | 1.3 | 2300 | ★★½ | | | $ 35,000 | $ 40,824 | 6.25 | $ 6,532 | Mid-term |
| Becks Rd | Minnesota | Saint Louis | Midway Township | 46°41'56.24"N, 92°16'47.16"W | 50 | No Posting | 1.1 | 670 | ★★½ | | | $ 23,000 | $ 41,695 | 6.25 | $ 6,671 | Mid-term |
| Seven Bridges Rd | Minnesota | Saint Louis | City of Duluth | 46°51'22.24"N, 92° 0'48.34"W | 30 | No Posting | 1.4 | 348 | ★½ | | | $ 5,000 | $ 25,501 | 3.75 | $ 6,800 | Mid-term |
| W Skyline Pkwy | Minnesota | Saint Louis | City of Duluth | 46°46'43.44"N, 92° 7'23.31"W | 30 | No Posting | 1.7 | 1580 | ★½ | | | $ 23,000 | $ 25,790 | 3.75 | $ 6,877 | Mid-term |
| Maple Grove Rd | Minnesota | Saint Louis | Solway Township | 46°48'28.32"N, 92°20'19.68"W | 50 | 25 | 1.1 | 1466 | ★★½ | | | $ 46,000 | $ 46,000 | 6.25 | $ 7,360 | Mid-term |
| Seven Bridges Rd | Minnesota | Saint Louis | City of Duluth | 46°50'55.05"N, 92° 0'41.71"W | 30 | No Posting | 1.4 | 348 | ★½ | | | $ 5,000 | $ 27,937 | 3.75 | $ 7,450 | Mid-term |
| 42nd Ave | Wisconsin | Douglas | Superior Township | 46°39'29.00"N, 92° 3'59.28"W | 55 | 35 | 0.5 | 970 | ★★½ | | | $ 41,000 | $ 46,926 | 6.25 | $ 7,508 | Mid-term |
| Maple Grove Rd | Minnesota | Saint Louis | Solway Township | 46°48'34.09"N, 92°20'15.47"W | 50 | 25 | 1.1 | 1466 | ★★½ | | | $ 47,000 | $ 47,000 | 6.25 | $ 7,520 | Mid-term |

# Safety Emphasis Area 1 (Curves)

## Rural Two-Lane Undivided Roads

## With AADT Less Than 5,000

**(Roads on the Functional Classification System)**

| Road Name | State | County | Municipality | Lat/Long | Speed Limit (mph) | Curve Advisory Speed (mph) | Length (miles) | AADT | Total Stars | High Social Vulnerability Index Location | Public Input Hotspot Location | Project Cost Estimate (No Overlap with Segments) | Project Cost Estimate (Assumes Standalone Projects for Each Curve) | Risk Prioritization Weight | Curve Cost Prioritization ($/Risk Weight) | Implementation Timeline Priority |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| E Skyline Pkwy | Minnesota | Saint Louis | City of Duluth | 46°48'20.68"N, 92° 5'50.85"W | 30 | No Posting | 0.7 | 1450 | ★ ½ | | | $ 5,000 | $ 28,605 | 3.75 | $ 7,628 | Mid-term |
| TH 210/Oldenberg Pkw | Minnesota | Saint Louis | City of Duluth | 46°40'21.35"N, 92°17'27.23"W | 40 | 25 | 2.0 | 2000 | ★★ ½ | | | $ 51,000 | $ 51,000 | 6.25 | $ 8,160 | Mid-term |
| Lester River Rd | Minnesota | Saint Louis | Lakewood Township | 46°52'39.58"N, 91°59'15.54"W | 45 | No Posting | 3.6 | 2000 | ★★ | | | $ 24,000 | $ 41,424 | 5 | $ 8,285 | Mid-term |
| CTH A | Wisconsin | Douglas | Douglas Township | 46°29'38.66"N, 92° 4'20.00"W | 55 | 35 | 3.3 | 930 | ★★ ½ | | | $ 53,000 | $ 53,000 | 6.25 | $ 8,480 | Mid-term |
| Minnesota Ave | Minnesota | Saint Louis | City of Duluth | 46°43'41.96"N, 92° 3'8.90"W | 30 | No Posting | 1.0 | 1850 | ★★ | | | $ 43,000 | $ 43,000 | 5 | $ 8,600 | Mid-term |
| W Skyline Pkwy | Minnesota | Saint Louis | City of Duluth | 46°43'10.53"N, 92°13'11.58"W | 30 | No Posting | 1.8 | 680 | ★ ½ | | | $ 5,000 | $ 32,279 | 3.75 | $ 8,608 | Mid-term |
| CTH U | Wisconsin | Douglas | Douglas Township | 46°37'56.39"N, 91°54'41.08"W | 55 | No Posting | 0.9 | 90 | ★★ ½ | | | $ 38,000 | $ 55,337 | 6.25 | $ 8,854 | Mid-term |
| Seven Bridges Rd | Minnesota | Saint Louis | City of Duluth | 46°50'44.50"N, 92° 0'37.97"W | 30 | No Posting | 1.4 | 348 | ★ ½ | | | $ 5,000 | $ 33,863 | 3.75 | $ 9,030 | Mid-term |
| Lester River Rd | Minnesota | Saint Louis | Lakewood Township | 46°52'20.41"N, 91°59'19.06"W | 45 | No Posting | 3.6 | 2000 | ★★ | | | $ 26,000 | $ 45,921 | 5 | $ 9,184 | Mid-term |
| St. Louis River Rd | Minnesota | Saint Louis | Midway Township | 46°45'50.88"N, 92°14'59.42"W | 45 | No Posting | 1.5 | 531 | ★★ ½ | | | $ 59,000 | $ 59,000 | 6.25 | $ 9,440 | Mid-term |
| W Skyline Pkwy | Minnesota | Saint Louis | City of Duluth | 46°42'21.20"N, 92°13'21.94"W | 30 | No Posting | 1.8 | 680 | ★ ½ | | | $ 5,000 | $ 35,859 | 3.75 | $ 9,562 | Mid-term |
| CTH U | Wisconsin | Douglas | Douglas Township | 46°37'40.46"N, 91°54'21.35"W | 55 | No Posting | 0.9 | 90 | ★★ ½ | | | $ 41,000 | $ 60,097 | 6.25 | $ 9,616 | Mid-term |
| Swan Lake Rd | Minnesota | Saint Louis | City of Hermantown | 46°49'49.50"N, 92°11'2.04"W | 55 | 30 | 0.7 | 1400 | ★★ ½ | ★ | | $ 79,000 | $ 79,000 | 6.25 | $ 12,640 | **Mid-term** |
| CTH A | Wisconsin | Douglas | Superior Township | 46°38'3.17"N, 92° 4'3.44"W | 55 | 20 | 1.3 | 730 | ★★ | | | $ 48,000 | $ 52,393 | 5 | $ 10,479 | Long-term |
| Lester River Rd | Minnesota | Saint Louis | City of Duluth | 46°50'29.00"N, 92° 0'20.38"W | 45 | No Posting | 3.6 | 2000 | ★★ | | | $ 48,000 | $ 52,809 | 5 | $ 10,562 | Long-term |
| W Skyline Pkwy | Minnesota | Saint Louis | City of Duluth | 46°43'5.93"N, 92°13'12.19"W | 30 | No Posting | 1.8 | 680 | ★ | | | $ 5,000 | $ 28,407 | 2.5 | $ 11,363 | Long-term |
| Ryan Rd | Minnesota | Saint Louis | Duluth Township | 46°57'22.91"N, 91°53'59.42"W | 55 | 30 | 1.3 | 380 | ★★★ ½ | | | $ 100,000 | $ 100,000 | 8.75 | $ 11,429 | Long-term |
| E Shilhon Rd | Minnesota | Saint Louis | Duluth Township | 46°57'22.89"N, 91°52'43.28"W | 55 | 25 | 1.0 | 380 | ★★★ | | | $ 91,000 | $ 91,000 | 7.5 | $ 12,133 | Long-term |
| Korkki Rd | Minnesota | Saint Louis | Duluth Township | 46°57'48.95"N, 91°52'43.39"W | 55 | 25 | 2.0 | 380 | ★★ ½ | | | $ 78,000 | $ 78,000 | 6.25 | $ 12,480 | Long-term |
| W Skyline Pkwy | Minnesota | Saint Louis | City of Duluth | 46°43'13.88"N, 92°13'6.31"W | 30 | No Posting | 1.8 | 680 | ★ ½ | | | $ 5,000 | $ 47,214 | 3.75 | $ 12,590 | Long-term |
| CTH A | Wisconsin | Douglas | Superior Township | 46°37'49.02"N, 92° 3'58.80"W | 55 | 20 | 1.3 | 730 | ★★ ½ | | | $ 72,000 | $ 80,443 | 6.25 | $ 12,871 | Long-term |
| Skyline Pkwy | Minnesota | Saint Louis | City of Duluth | 46°42'1.05"N, 92°13'38.55"W | 30 | No Posting | 3.5 | 680 | ★ ½ | | | $ 5,000 | $ 49,618 | 3.75 | $ 13,231 | Long-term |
| Lester River Rd | Minnesota | Saint Louis | Lakewood Township | 46°52'26.14"N, 91°59'19.72"W | 45 | No Posting | 3.6 | 2000 | ★ | | | $ 20,000 | $ 33,392 | 2.5 | $ 13,357 | Long-term |
| CTH W | Wisconsin | Douglas | Superior Township | 46°33'17.08"N, 92°14'27.44"W | 55 | No Posting | 3.7 | 270 | ★★ ½ | | | $ 95,000 | $ 95,000 | 6.25 | $ 15,200 | Long-term |
| W Skyline Pkwy | Minnesota | Saint Louis | City of Duluth | 46°42'12.21"N, 92°13'17.02"W | 30 | No Posting | 1.8 | 680 | ★ ½ | | | $ 5,000 | $ 62,941 | 3.75 | $ 16,784 | Long-term |
| Saginaw Rd | Minnesota | Saint Louis | Solway Township | 46°51'4.46"N, 92°25'35.71"W | 40 | No Posting | 0.4 | 225 | ★ ½ | | | $ 4,000 | $ 64,305 | 3.75 | $ 17,148 | Long-term |
| CTH U | Wisconsin | Douglas | Douglas Township | 46°37'55.53"N, 91°54'34.61"W | 55 | No Posting | 0.9 | 90 | ★★ ½ | | | $ 72,000 | $ 107,618 | 6.25 | $ 17,219 | Long-term |
| S Chicago Ave | Wisconsin | Douglas | Village of Oliver | 46°38'45.85"N, 92°11'45.41"W | 55 | 25 | 1.3 | 2300 | ★ ½ | | | $ 7,000 | $ 72,841 | 3.75 | $ 19,424 | Long-term |
| CTH U | Wisconsin | Douglas | Lakeside Township | 46°37'59.53"N, 91°54'46.40"W | 55 | 20 | 0.9 | 90 | ★★ | | | $ 68,000 | $ 100,500 | 5 | $ 20,100 | Long-term |
| CTH U | Wisconsin | Douglas | Lakeside Township | 46°37'41.57"N, 91°54'24.91"W | 55 | No Posting | 0.9 | 90 | ★ | | | $ 29,000 | $ 50,947 | 2.5 | $ 20,379 | Long-term |
| CTH C | Wisconsin | Douglas | Superior Township | 46°35'25.04"N, 92° 7'58.90"W | 55 | 15 | 3.7 | 430 | ★★★★ | | | $ 214,000 | $ 214,000 | 10 | $ 21,400 | Long-term |
| Ryan Rd | Minnesota | Saint Louis | Duluth Township | 46°54'3.49"N, 91°54'2.98"W | 55 | No Posting | 0.2 | 364 | ★★★ | | | $ 140,000 | $ 167,328 | 7.5 | $ 22,310 | Long-term |
| Becks Rd | Minnesota | Saint Louis | Midway Township | 46°42'15.72"N, 92°17'31.69"W | 50 | 40 | 1.1 | 670 | ★★★ | | | $ 141,000 | $ 184,183 | 7.5 | $ 24,558 | Long-term |
| Industrial Rd | Minnesota | Saint Louis | Grand Lake Township | 46°53'37.03"N, 92°21'56.59"W | 50 | No Posting | 0.1 | 1000 | ★★★ | | | $ 185,000 | $ 185,000 | 7.5 | $ 24,667 | Long-term |
| Saginaw Rd | Minnesota | Saint Louis | Solway Township | 46°50'55.58"N, 92°25'26.71"W | 40 | No Posting | 0.4 | 225 | ★ | | | $ 4,000 | $ 65,650 | 2.5 | $ 26,260 | Long-term |
| W Tischer Rd | Minnesota | Saint Louis | Lakewood Township | 46°52'49.13"N, 92° 0'19.37"W | 40 | 20 | 2.0 | 870 | ★★★ ½ | | | $ 274,000 | $ 274,000 | 10 | $ 27,400 | Long-term |
| Lester River Rd | Minnesota | Saint Louis | City of Duluth | 46°50'48.98"N, 92° 0'9.51"W | 45 | No Posting | 3.6 | 2000 | ★ | | | $ 42,000 | $ 76,711 | 2.5 | $ 30,684 | Long-term |
| Lester River Rd | Minnesota | Saint Louis | City of Duluth | 46°51'23.60"N, 91°59'57.11"W | 45 | No Posting | 3.6 | 2000 | ★ | | | $ 42,000 | $ 76,782 | 2.5 | $ 30,713 | Long-term |
| Ryan Rd | Minnesota | Saint Louis | Duluth Township | 46°54'11.29"N, 91°54'12.54"W | 55 | 15 | 0.3 | 364 | ★★★ ½ | | | $ 251,000 | $ 278,039 | 8.75 | $ 31,776 | Long-term |
| Munger Shaw Rd | Minnesota | Saint Louis | Grand Lake Township | 46°54'46.80"N, 92°20'38.89"W | 45 | No Posting | 3.4 | 1050 | ★★★ | | | $ 240,000 | $ 240,000 | 7.5 | $ 32,000 | Long-term |
| Caribou Lake Rd | Minnesota | Saint Louis | Grand Lake Township | 46°51'38.82"N, 92°19'21.75"W | 55 | No Posting | 1.2 | 265 | ★★ ½ | | | $ 211,000 | $ 211,000 | 6.25 | $ 33,760 | Long-term |
| Lester River Rd | Minnesota | Saint Louis | Lakewood Township | 46°52'50.82"N, 91°59'3.15"W | 45 | No Posting | 3.6 | 2000 | ★ | | | $ 46,000 | $ 84,695 | 2.5 | $ 33,878 | Long-term |
| CTH C | Wisconsin | Douglas | Superior Township | 46°34'48.28"N, 92°12'6.64"W | 55 | 20 | 3.2 | 430 | ★★★ | | | $ 260,000 | $ 260,000 | 7.5 | $ 34,667 | Long-term |
| S Chicago Ave | Wisconsin | Douglas | Village of Oliver | 46°38'53.05"N, 92°11'52.46"W | 55 | 25 | 1.3 | 2300 | ★★ ½ | | | $ 233,000 | $ 238,568 | 6.25 | $ 38,171 | Long-term |
| W Skyline Pkwy | Minnesota | Saint Louis | City of Duluth | 46°46'27.18"N, 92° 7'29.74"W | 30 | No Posting | 1.7 | 1580 | ½ | | | $ 5,000 | $ 66,171 | 1.25 | $ 52,936 | Long-term |

## Safety Emphasis Area 2

**Urban Intersections - Side Road Stop Control**
**Angle Crashes**

| Road Name | Municipality | Traffic Control | Total Stars | High Social Vulnerability Index Location | Public Input Hotspot Location | Project Cost Estimate | Weighted Risk Factor | Prioritization ($ per Weighted Risk Factor) | Implementation Timeline Priority |
|---|---|---|---|---|---|---|---|---|---|
| Highway 53, Catlin Ave | City of Superior | 1-Way Stop | ★★★½ | ★ | | $ 308,000 | 6.36 | $ 48,400 | **Short-term** |
| W 4th St, N 3rd Ave W | City of Duluth | 2-Way Stop | ★★★ | ★ | | $ 267,000 | 5.45 | $ 48,950 | **Short-term** |
| Skyline Pkwy, TH 194/Mesaba Ave, E 9th St, Mesaba Ave | City of Duluth | 2-Way Stop | ★★★★ | ★ | ★ | $ 1,213,000 | 7.27 | $ 166,788 | **Short-term** |
| W Michigan St, W Superior St, W Michigan St | City of Duluth | 1-Way Stop | ★★★½ | | | $ 4,000 | 6.36 | $ 629 | Short-term |
| TH 23/Commonwealth Ave, TH 39/E McCuen St. | City of Duluth | 2-Way Stop | ★★★ | | | $ 13,000 | 5.45 | $ 2,383 | Short-term |
| Haines Rd, W SKyline Pkwy, Haines Rd | City of Duluth | 1-Way Stop | ★★★ | | | $ 41,000 | 5.45 | $ 7,517 | Short-term |
| Midway Rd, Old Miller Trunk Hwy | Canosia Township | 2-Way Stop | ★★★★★ | | | $ 160,000 | 9.09 | $ 17,600 | Short-term |
| London Rd, S 14th Ave E, London Rd | City of Duluth | 2-Way Stop | ★★★ | | | $ 116,000 | 5.45 | $ 21,267 | Short-term |
| E Skyline Pkwy, E Skyline Pkwy, E 13th St | City of Duluth | 1-Way Stop | ★★★ | | | $ 136,000 | 5.45 | $ 24,933 | Short-term |
| E 4th St, N 12th Ave E | City of Duluth | 2-Way Stop | ★★★ | | | $ 167,000 | 5.45 | $ 30,617 | Short-term |
| Woodland Ave, W Redwing St | City of Duluth | 2-Way Stop | ★★★½ | | | $ 238,000 | 6.36 | $ 37,400 | Short-term |
| Highway 2, Highway 2, N 2nd Ave | City of Proctor | 2-Way Stop | ★★★ | | | $ 224,000 | 5.45 | $ 41,067 | Short-term |
| E 2nd St - Hwy 53/2, E 2nd St - Hwy 53/2, 23rd Ave E | City of Superior | 2-Way Stop | ★★★★ | | | $ 322,000 | 7.27 | $ 44,275 | Short-term |
| Hammond Ave, N 5th St, Hammond Ave, N 5th St | City of Superior | 1-Way Stop | ★★★ | ★ | | $ 288,000 | 5.45 | $ 52,800 | **Short-term** |
| Railroad St, Railroad St, Harbor Dr | City of Duluth | 2-Way Stop | ★★★★½ | ★ | | $ 472,000 | 8.18 | $ 57,689 | **Short-term** |
| Rice Lake Rd, Rice Lake Rd, E Skyline Pkwy | City of Duluth | 1-Way Stop | ★★★★½ | | ★ | $ 484,000 | 8.18 | $ 59,156 | **Short-term** |
| Highway 53, Grand Ave, Grand Ave | City of Superior | 2-Way Stop | ★★★½ | ★ | | $ 413,000 | 6.36 | $ 64,900 | **Short-term** |
| Hammond Ave, Broadway St, Hammond Ave | City of Superior | 2-Way Stop | ★★★★ | ★ | | $ 501,000 | 7.27 | $ 68,888 | **Short-term** |
| E 4th St, N 4th Ave E | City of Duluth | 2-Way Stop | ★★★ | ★ | | $ 711,000 | 5.45 | $ 130,350 | **Short-term** |
| Highway 53, N 5th St | City of Superior | 1-Way Stop | ★★★ | ★ | | $ 711,000 | 5.45 | $ 130,350 | **Short-term** |
| Belknap St, E 5th St, E 5th St, Belknap St | City of Superior | 2-Way Stop | ★★★★ | ★ | | $ 1,025,000 | 7.27 | $ 140,938 | **Short-term** |
| 4th St, TH 194/Mesaba Ave | City of Duluth | 2-Way Stop | ★★★★ | ★ | | $ 1,215,000 | 7.27 | $ 167,063 | **Short-term** |
| Highway 53, E St | City of Superior | 2-Way Stop | ★★★★½ | ★ | | $ 1,931,000 | 10 | $ 193,100 | **Short-term** |
| Tower Ave, N 58th St, Tower Ave | City of Superior | 2-Way Stop | ★★★½ | | | $ 353,000 | 6.36 | $ 55,471 | Mid-term |
| Woodland Ave, Woodland Ave | City of Duluth | 2-Way Stop | ★★★½ | | | $ 365,000 | 6.36 | $ 57,357 | Mid-term |
| Tower Ave, Tower Ave, N 34th St, N 34th St | City of Superior | 2-Way Stop | ★★★★ | | | $ 648,000 | 7.27 | $ 89,100 | Mid-term |
| E 2nd St - Hwy 53/2, Marina Dr, E 2nd St - Hwy 53/2 | City of Superior | 2-Way Stop | ★★★★ | | | $ 693,000 | 7.27 | $ 95,288 | Mid-term |
| N 6th Ave E, E 7th St | City of Duluth | 2-Way Stop | ★★★½ | | | $ 629,000 | 6.36 | $ 98,843 | Mid-term |
| Tower Ave, Tower Ave, N 16th St | City of Superior | 2-Way Stop | ★★★★ | | | $ 727,000 | 7.27 | $ 99,963 | Mid-term |
| TH23/Grand Ave, S 63rd Ave W | City of Duluth | 2-Way Stop | ★★★★½ | | | $ 1,131,000 | 10 | $ 113,100 | Mid-term |
| Tower Ave, N 56th St, Tower Ave | City of Superior | 2-Way Stop | ★★★½ | | | $ 858,000 | 6.36 | $ 134,829 | Mid-term |
| Glenwood St, Glenwood St, N 43rd Ave E | City of Duluth | 2-Way Stop | ★★★ | | | $ 823,000 | 5.45 | $ 150,883 | Mid-term |
| Tower Ave, N 40th St | City of Superior | 2-Way Stop | ★★★★ | | | $ 1,185,000 | 7.27 | $ 162,938 | Mid-term |
| N 24th Ave W, S 24th Ave W, W Superior St, W Superior St | City of Duluth | 2-Way Stop | ★★★ | ★ | | $ 1,255,000 | 5.45 | $ 230,083 | **Mid-term** |
| N 12th St, N 12th St, Tower Ave, Tower Ave | City of Superior | 2-Way Stop | ★★★½ | ★ | | $ 1,549,000 | 6.36 | $ 243,414 | **Mid-term** |
| N 3rd St, N 3rd St | City of Superior | 2-Way Stop | ★★★ | ★ | | $ 1,952,000 | 5.45 | $ 357,867 | **Mid-term** |

# Safety Emphasis Area 2

**Urban Intersections - Side Road Stop Control**
**Angle Crashes**

| Road Name | Municipality | Traffic Control | Total Stars | High Social Vulnerability Index Location | Public Input Hotspot Location | Project Cost Estimate | Weighted Risk Factor | Prioritization ($ per Weighted Risk Factor) | Implementation Timeline Priority |
|---|---|---|---|---|---|---|---|---|---|
| N 1st St E, E 4th St, N 1st Ave E | City of Duluth | 2-Way Stop | ★★★ | ★ | | $ 2,197,000 | 5.45 | $ 402,783 | **Mid-term** |
| Broadway St, Broadway St, Ogden Ave, Ogden Ave | City of Superior | 2-Way Stop | ★★★ | ★ | | $ 2,789,000 | 5.45 | $ 511,317 | **Mid-term** |
| E 9th St, 11th Ave E | City of Duluth | 2-Way Stop | ★★★ | | | $ 1,566,000 | 5.45 | $ 287,100 | Long-term |
| Rice Lake Rd, Rice Lake Rd, E 13th St | City of Duluth | 1-Way Stop | ★★★ | | | $ 1,575,000 | 5.45 | $ 288,750 | Long-term |
| N 21st Ave E, E 1st St | City of Duluth | 2-Way Stop | ★★★½ | | | $ 1,880,000 | 6.36 | $ 295,429 | Long-term |
| E 2nd St, N 14th Ave E | City of Duluth | 2-Way Stop | ★★★ | | | $ 1,961,000 | 5.45 | $ 359,517 | Long-term |
| E Superior St, N 14th Ave E, S 14th Ave E, E Superior St | City of Duluth | 2-Way Stop | ★★★★ | | | $ 2,629,000 | 7.27 | $ 361,488 | Long-term |
| E 2nd St - Hwy 53/2, E 2nd St - Hwy 53/2, E 3rd St | City of Superior | 2-Way Stop | ★★★★★½ | | | $ 3,725,000 | 10 | $ 372,500 | Long-term |
| E 2nd St - Hwy 53/2, 31st Ave E, E 2nd St - Hwy 53/2 | City of Superior | 2-Way Stop | ★★★★★ | | | $ 3,562,000 | 9.09 | $ 391,820 | Long-term |
| Highland Ave, Vinland St, W SKyline Pkwy, Getchell Rd | City of Duluth | 2-Way Stop | ★★★½ | | | $ 2,567,000 | 6.36 | $ 403,386 | Long-term |
| Crosley Ave,  47th Ave E | City of Duluth | 2-Way Stop | ★★★½ | | | $ 2,653,000 | 6.36 | $ 416,900 | Long-term |
| E Superior St, 47th Ave E, 47th Ave E | City of Duluth | 2-Way Stop | ★★★★ | | | $ 3,482,000 | 7.27 | $ 478,775 | Long-term |
| Tower Ave, Henry Cohen Dr | City of Superior | 2-Way Stop | ★★★½ | | | $ 3,680,000 | 6.36 | $ 578,286 | Long-term |
| N 59th Ave W, N 59th Ave W, Cody St, Cody St | City of Duluth | 2-Way Stop | ★★★½ | | | $ 4,416,000 | 6.36 | $ 693,943 | Long-term |

# Safety Emphasis Area 3

## Signalized Intersections Along Multi-Lane Arterials

| Signalized Intersection Name | Municipality | Intersection Location (Lat/Long) | Total Stars | High Social Vulnerability Index Location | Public Input Hotspot Location | Project Cost Estimate | Weighted Risk Factor | Prioritization ($ per Weighted Risk Factor) | Implementation Timeline Priority |
|---|---|---|---|---|---|---|---|---|---|
| Railroad Street and Canal Park Dr | City of Duluth | 46.7850637,-92.0950474 | ★★★★½ | ★ | | $ 10,000 | 6.1 | $ 1,636 | **Short-term** |
| Arrowhead Road and Arlington Ave | City of Duluth | 46.8222412,-92.1323428 | ★★★★★★★★ | ★ | | $ 240,000 | 8.9 | $ 27,000 | **Short-term** |
| CSAH 9 (4th St) at 6th Ave E | City of Duluth | 46.795357,-92.09511 | ★★★★★★★½ | ★ | | $ 501,000 | 8.3 | $ 60,120 | **Short-term** |
| Superior Street and 27th Ave W | City of Duluth | 46.7613776,-92.1317979 | ★★★★★★★½ | ★ | ★ | $ 512,000 | 8.3 | $ 61,440 | **Short-term** |
| CSAH 9 (Woodland Ave) at W Arrowhead Rd | City of Duluth | 46.825768,-92.071347 | ★★★★½ | | ★ | $ 390,000 | 6.1 | $ 63,818 | **Short-term** |
| TH 194 (Central Ent) & MSAS 182 (Pecan Ave) | City of Duluth | 46.799477,-92.116405 | ★★★★★★½ | | ★ | $ 464,000 | 7.2 | $ 64,246 | **Short-term** |
| US 2 at CSAH 14 (Boundary Ave) | City of Duluth | 46.738127,-92.217107 | ★★★★★★ | | | $ 58,000 | 6.7 | $ 8,700 | Short-term |
| USTH 53 (Miller Trunk Hwy) & CSAH 13 (Midway Rd) | Canosia Township | 46.852995,-92.280403 | ★★★★★★★½ | | | $ 118,000 | 8.3 | $ 14,160 | Short-term |
| USTH 53 & CSAH 54 (Piedmont Ave) | City of Duluth | 46.775111,-92.143167 | ★★★★★★½ | | | $ 194,000 | 7.2 | $ 26,862 | Short-term |
| USH 2/USH 53 (E 2nd) & 22nd Ave E | City of Superior | 46.706586,-92.047341 | ★★★★★★★½ | | | $ 232,000 | 8.3 | $ 27,840 | Short-term |
| USTH 53 (Miller Trunk Hwy) & CSAH 48 (Lavaque Bypass Rd), MSAS 101 (Ugstad Rd | City of Hermantown | 46.83658,-92.238403 | ★★★★★★★ | | | $ 273,000 | 7.8 | $ 35,100 | Short-term |
| Grand Ave and 46th Ave W | City of Duluth | 46.7460826,-92.1592956 | ★★★★★★ | | | $ 280,000 | 6.7 | $ 42,000 | Short-term |
| USTH 53 (Trinity Rd) & CSAH 90 (Arlington Ave) | City of Duluth | 46.78255,-92.138753 | ★★★★★★★½ | | | $ 513,000 | 8.3 | $ 61,560 | Short-term |
| USTH 53 (Trinity Rd) & MSAS 198 (Anderson Rd) | City of Duluth | 46.793185,-92.156289 | ★★★★★★★½ | | | $ 525,000 | 8.3 | $ 63,000 | Short-term |
| Summit Street and Woodland Ave | City of Duluth | 46.817781,-92.077889 | ★★★★★★½ | | ★ | $ 500,000 | 7.2 | $ 69,231 | **Short-term** |
| TH 194 (Mesaba Ave) & MSAS 127 (W 7th St) | City of Duluth | 46.790914,-92.106795 | ★★★★★★½ | ★ | | $ 575,000 | 7.2 | $ 79,615 | **Short-term** |
| TH 194 (Mesaba Ave) & MSAS 126 (W 3rd St) | City of Duluth | 46.783745,-92.108303 | ★★★★★★ | ★ | | $ 855,000 | 6.7 | $ 128,250 | **Short-term** |
| USTH 53 (Miller Trunk Hwy) & CSAH 91 (Haines Rd) | City of Hermantown | 46.814785,-92.174789 | ★★★★★★★★ | ★ | | $ 1,309,000 | 8.9 | $ 147,263 | **Short-term** |
| MNTH 23 (Grand Ave) & MSAS 108, MUN 153 (Raleigh St) | City of Duluth | 46.731269,-92.180057 | ★★★★★★★★★★ | | ★ | $ 1,840,000 | 10 | $ 184,000 | **Short-term** |
| TH 194 & CSAH 4 (Rice Lake Rd) & MSAS 192 (Central Ent) | City of Duluth | 46.795888,-92.107092 | ★★★★★★½ | | ★ | $ 562,000 | 7.2 | $ 77,815 | **Short-term** |
| STH 35 (Tower Ave) & N 31st St | City of Superior | 46.70253,-92.104136 | ★★★★★★ | | | $ 447,000 | 6.7 | $ 67,050 | Mid-term |
| STH 35 (Tower Ave) & N 37th St | City of Superior | 46.695397,-92.104127 | ★★★★★★ | | | $ 447,000 | 6.7 | $ 67,050 | Mid-term |
| First Street and 46th Ave W | City of Duluth | 46.744615,-92.1568984 | ★★★★★★★★ | | | $ 637,000 | 8.9 | $ 71,663 | Mid-term |
| Clover Street and Woodland Ave | City of Duluth | 46.8157372,-92.0780403 | ★★★★★★ | | | $ 520,000 | 6.7 | $ 78,000 | Mid-term |
| 18th Ave E & E 5th St | City of Superior | 46.708897,-92.055627 | ★★★★★★★★ | | | $ 883,000 | 8.9 | $ 99,338 | Mid-term |
| MNTH 23 (Grand Ave) & River West Dr/Warkwick St | City of Duluth | 46.714344,-92.203656 | ★★★★★★★★ | | | $ 929,000 | 8.9 | $ 104,513 | Mid-term |
| USH 2/USH 53 (E 2nd) & 18th Ave E | City of Superior | 46.71075,-92.052616 | ★★★★½ | | | $ 659,000 | 6.1 | $ 107,836 | Mid-term |
| MNTH 23 (Grand Ave) & MUN 172 (72nd Ave W) | City of Duluth | 46.725327,-92.188433 | ★★★★★★★½ | | | $ 933,000 | 8.3 | $ 111,960 | Mid-term |
| MNTH 23 (Grand Ave) & MSAS 101 (88th Ave W) | City of Duluth | 46.697136,-92.218051 | ★★★★★★★ | | | $ 933,000 | 7.8 | $ 119,957 | Mid-term |
| USTH 53 (Miller Trunk Hwy) & CSAH 17, MSAS 103 (Stebner Rd) | City of Hermantown | 46.827651,-92.195789 | ★★★★★★★ | | | $ 1,094,000 | 7.8 | $ 140,657 | Mid-term |
| USH 53 (2nd St) & USH 2 (Belknap St) | City of Superior | 46.722281,-92.068439 | ★★★★★★★½ | ★ | | $ 2,897,000 | 8.3 | $ 347,640 | **Mid-term** |
| Michigan Street and 27th Ave W | City of Duluth | 46.760847,-92.131133 | ★★★★★★½ | ★ | | $ 3,184,000 | 7.2 | $ 440,862 | **Mid-term** |
| TH 194 (Central Ent) & CSAH 90 (Arlington Ave) | City of Duluth | 46.800452,-92.13214 | ★★★★★★ | | ★ | $ 3,029,000 | 6.7 | $ 454,350 | **Mid-term** |
| USTH 53 (Miller Trunk Hwy) & MSAS 104, CSAH 32 (W Arrowhead Rd) | City of Hermantown | 46.822112,-92.18676 | ★★★★★★★★ | | | $ 3,153,000 | 8.9 | $ 354,713 | Long-term |
| College Street and Kenwood Ave | City of Duluth | 46.8167053,-92.1003188 | ★★★★★★★ | | | $ 2,843,000 | 7.8 | $ 365,529 | Long-term |
| STH 35 (Tower Ave) & N 28th St | City of Superior | 46.706188,-92.104047 | ★★★★★★★½ | | | $ 3,095,000 | 8.3 | $ 371,400 | Long-term |
| STH 35 (Tower Ave) & N 21st St | City of Superior | 46.713416,-92.103969 | ★★★★★★★½ | | | $ 3,095,000 | 8.3 | $ 371,400 | Long-term |
| Arrowhead Road and Rice Lake Road (CSAH 4) | City of Duluth | 46.822098,-92.12661 | ★★★★★★½ | | | $ 2,939,000 | 7.2 | $ 406,938 | Long-term |
| USTH 53 (Miller Trunk Hwy) & MSAS 107 (Loberg Ave) | City of Hermantown | 46.81906,-92.181777 | ★★★★★★ | | | $ 2,735,000 | 6.7 | $ 410,250 | Long-term |
| TH 194 (Central Ent) & MSAS 205, M 494 (Basswood Ave) | City of Duluth | 46.80047,-92.135306 | ★★★★★★½ | | | $ 3,041,000 | 7.2 | $ 421,062 | Long-term |
| TH 194 (Central Ent) & MSAS 198, M 535 (Anderson Rd) | City of Duluth | 46.800664,-92.143421 | ★★★★★★★ | | | $ 3,293,000 | 7.8 | $ 423,386 | Long-term |
| TH 53 & MSAS 108 (Cirrus Dr), M166 (Sugar Maple Dr) | City of Hermantown | 46.833594,-92.205486 | ★★★★½ | | | $ 2,675,000 | 6.1 | $ 437,727 | Long-term |
| USH 2/USH 53 (E 2nd) & 39th Ave E | City of Superior | 46.689033,-92.025013 | ★★★★½ | | | $ 2,892,000 | 6.1 | $ 473,236 | Long-term |

# Safety Emphasis Area 3

## Signalized Intersections Along Multi-Lane Arterials

| Signalized Intersection Name | Municipality | Intersection Location (Lat/Long) | Total Stars | High Social Vulnerability Index Location | Public Input Hotspot Location | Project Cost Estimate | Weighted Risk Factor | Prioritization ($ per Weighted Risk Factor) | Implementation Timeline Priority |
|---|---|---|---|---|---|---|---|---|---|
| USTH 53 (Trinity Rd) & MSAS 209, MUN 1414 (Mall Drive) | City of Duluth | 46.801655,-92.154729 | ★★★★★½ | | | $ 2,936,000 | 6.1 | $ 480,436 | Long-term |
| USTH 53 (Trinity Rd) & USTH 194 (Central Ent) | City of Duluth | 46.804291,-92.153721 | ★★★★★½ | | | $ 2,963,000 | 6.1 | $ 484,855 | Long-term |

# Safety Emphasis Area 4

**Urban Intersections**
**Bike Ped Crashes**

| Road Name | Lat/Long | Municipality | Total Stars | High Social Vulnerability Index Location | Public Input Hotspot Location | Project Cost Estimate | Weighted Risk Factor | Prioritization ($ per Weighted Risk Factor) | Implementation Timeline Priority |
|---|---|---|---|---|---|---|---|---|---|
| N 1st Ave E, S 1st Ave E, E Superior St, E Superior St | 46.787872,-92.09695 | City of Duluth | ★★★★★★★½ | ★ | | $ 54,000 | 9.4 | $ 5,718 | **Short-term** |
| E Superior St, S 3rd Ave E, N 3rd Ave E | 46.789807,-92.094437 | City of Duluth | ★★★★★★★★ | ★ | | $ 54,000 | 8.9 | $ 6,075 | **Short-term** |
| Railroad St, S Lake Ave, Canal Park Dr | 46.784937,-92.095199 | City of Duluth | ★★★★★★½ | ★ | | $ 46,000 | 7.2 | $ 6,369 | **Short-term** |
| N 4th Ave W, S 4th Ave W, W Superior St | 46.783113,-92.103174 | City of Duluth | ★★★★★★★½ | ★ | | $ 54,000 | 8.3 | $ 6,480 | **Short-term** |
| E Superior St, S 2nd Ave E, N 2nd Ave E, E Superior St | 46.788881,-92.095628 | City of Duluth | ★★★★★★★ | ★ | | $ 54,000 | 7.8 | $ 6,943 | **Short-term** |
| N 6th Ave W, S 6th Ave W, W Superior St | 46.781205,-92.105671 | City of Duluth | ★★★★★★★ | ★ | | $ 54,000 | 7.8 | $ 6,943 | **Short-term** |
| W Superior St, S 1st Ave W, W Superior St, N 1st Ave W | 46.78597,-92.09938 | City of Duluth | ★★★★★★★ | ★ | | $ 54,000 | 7.8 | $ 6,943 | **Short-term** |
| Mesaba Ave, Mesaba Ave, W 1st St, W 1st St | 46.780927,-92.108057 | City of Duluth | ★★★★★★½ | | ★ | $ 70,000 | 7.2 | $ 9,692 | **Short-term** |
| N 24th Ave W, N 24th Ave W, W 3rd St, W 3rd St | 46.766138,-92.131292 | City of Duluth | ★★★★★★★½ | ★ | | $ 85,000 | 8.3 | $ 10,200 | **Short-term** |
| S 5th Ave W, N 5th Ave W, W Superior St, W Superior St | 46.782185,-92.104402 | City of Duluth | ★★★★★★★½ | ★ | | $ 184,000 | 8.3 | $ 22,080 | **Short-term** |
| E 2nd St, N 1st Ave E, N 1st Ave E | 46.789237,-92.099117 | City of Duluth | ★★★★★★★½ | ★ | | $ 224,000 | 8.3 | $ 26,880 | **Short-term** |
| E 2nd St, N 3rd Ave E | 46.791129,-92.096598 | City of Duluth | ★★★★★★★ | ★ | | $ 217,000 | 7.8 | $ 27,900 | **Short-term** |
| W 2nd St, N 3rd Ave W | 46.785453,-92.104074 | City of Duluth | ★★★★★★★ | ★ | | $ 224,000 | 7.8 | $ 28,800 | **Short-term** |
| W 2nd St, N 4th Ave W, N 4th Ave W | 46.784465,-92.105373 | City of Duluth | ★★★★★★★ | ★ | | $ 224,000 | 7.8 | $ 28,800 | **Short-term** |
| N 1st Ave W, W 2nd St, N 1st Ave W | 46.787326,-92.101633 | City of Duluth | ★★★★★★★ | ★ | | $ 224,000 | 7.8 | $ 28,800 | **Short-term** |
| Tower Ave, Tower Ave, Belknap St, Belknap St | 46.720642,-92.103942 | City of Superior | ★★★★★★½ | ★ | | $ 211,000 | 7.2 | $ 29,215 | **Short-term** |
| S Lake Ave, W Superior St, N Lake Ave, E Superior St | 46.786944,-92.098145 | City of Duluth | ★★★★★★★★½ | ★ | ★ | $ 476,000 | 9.4 | $ 50,400 | **Short-term** |
| Arrowhead Rd, Arrowhead Rd, Rice Lake Rd | 46.822047,-92.126829 | City of Duluth | ★★★★★★½ | | | $ 43,000 | 7.2 | $ 5,954 | Short-term |
| E Superior St, E Superior St, N 12th Ave E, S 12th Ave E | 46.798389,-92.083292 | City of Duluth | ★★★★★★½ | | | $ 54,000 | 7.2 | $ 7,477 | Short-term |
| US 53 (Trinity Rd), Mall Dr | 46.801647,-92.154711 | City of Duluth | ★★★★★★½ | | | $ 70,000 | 7.2 | $ 9,692 | Short-term |
| Maple Grove Rd, Maple Grove Rd, Mall Dr, Mall Dr | 46.80756,-92.165403 | City of Duluth | ★★★★★★½ | | | $ 87,000 | 7.2 | $ 12,046 | Short-term |
| N 5th Ave E, E 2nd St | 46.793089,-92.094084 | City of Duluth | ★★★★★★★ | | | $ 94,000 | 7.8 | $ 12,086 | Short-term |
| Midway Rd, Midway Rd, Highway 53, Highway 53 | 46.853005,-92.280425 | Canosia Township | ★★★★★★½ | | | $ 100,000 | 7.2 | $ 13,846 | Short-term |
| W Superior St, N 40th Ave W, W Superior St | 46.749569,-92.148236 | City of Duluth | ★★★★★★½ | | | $ 150,000 | 7.2 | $ 20,769 | Short-term |
| Tower Ave, N 21st St, N 21st St, Tower Ave | 46.71342,-92.104006 | City of Superior | ★★★★★★★½ | | | $ 215,000 | 9.4 | $ 22,765 | Short-term |
| Maple Grove Rd, Burning Tree Rd, Burning Tree Rd | 46.807567,-92.169205 | City of Duluth | ★★★★★★★ | | | $ 184,000 | 7.8 | $ 23,657 | Short-term |
| Ogden Ave, Belknap St, Belknap St, Ogden Ave | 46.720645,-92.102379 | City of Superior | ★★★★★★★½ | ★ | | $ 251,000 | 8.3 | $ 30,120 | **Short-term** |
| E 2nd St, N 2nd Ave E, N 2nd Ave E | 46.790189,-92.097857 | City of Duluth | ★★★★★★½ | ★ | | $ 224,000 | 7.2 | $ 31,015 | **Short-term** |
| W 3rd St, N Lake Ave, E 3rd St | 46.788962,-92.101451 | City of Duluth | ★★★★★★½ | ★ | | $ 240,000 | 7.2 | $ 33,231 | **Short-term** |
| E 4th St, N 5th Ave E | 46.794438,-92.09629 | City of Duluth | ★★★★★★★ | ★ | | $ 280,000 | 7.8 | $ 36,000 | **Short-term** |
| Highway 53, N 5th St | 46.73254,-92.085315 | City of Superior | ★★★★★★½ | ★ | | $ 273,000 | 7.2 | $ 37,800 | **Short-term** |
| N Lake Ave, W 1st St, E 1st St | 46.787635,-92.099302 | City of Duluth | ★★★★★★★½ | ★ | | $ 325,000 | 8.3 | $ 39,000 | **Short-term** |
| N 6th Ave E, E 4th St, N 6th Ave E | 46.795355,-92.095123 | City of Duluth | ★★★★★★★★ | ★ | | $ 393,000 | 8.9 | $ 44,213 | **Short-term** |
| E Central Entrance, Rice Lake Rd, N Central Entrance, Mesaba Ave | 46.795862,-92.107036 | City of Duluth | ★★★★★★★ | | ★ | $ 353,000 | 7.8 | $ 45,386 | **Short-term** |
| N 6th Ave E, E 3rd St, N 6th Ave E, N 6th Ave E, E 3rd St | 46.79468,-92.094027 | City of Duluth | ★★★★★★★ | ★ | | $ 424,000 | 7.8 | $ 54,514 | **Short-term** |
| N Lake Ave, E 2nd St, W 2nd St, N Lake Ave | 46.788296,-92.100372 | City of Duluth | ★★★★★★★½ | ★ | | $ 473,000 | 8.3 | $ 56,760 | **Short-term** |
| US 53, Maple Burning Tree Rd | 46.81089,-92.168446 | City of Duluth | ★★★★★★½ | ★ | | $ 416,000 | 7.2 | $ 57,600 | **Short-term** |
| N 27th Ave W, W Superior St, W Superior St | 46.761256,-92.13176 | City of Duluth | ★★★★★★★ | ★ | ★ | $ 1,841,000 | 7.8 | $ 236,700 | **Short-term** |
| Belknap St, Lamborn Ave, Grand Ave, Belknap St | 46.72062,-92.09344 | City of Superior | ★★★★★★★½ | | | $ 251,000 | 8.3 | $ 30,120 | Mid-term |

# Safety Emphasis Area 4

**Urban Intersections**
**Bike Ped Crashes**

| Road Name | Lat/Long | Municipality | Total Stars | High Social Vulnerability Index Location | Public Input Hotspot Location | Project Cost Estimate | Weighted Risk Factor | Prioritization ($ per Weighted Risk Factor) | Implementation Timeline Priority |
|---|---|---|---|---|---|---|---|---|---|
| E 2nd St - Hwy 53/2, 39th Ave E | 46.68907,-92.024958 | City of Superior | ★★★★★★★ | | | $ 273,000 | 8.9 | $ 30,713 | Mid-term |
| W 1st St, S 46th Ave W, N 46th Ave W, Mike Colalillo Dr | 46.744573,-92.157187 | City of Duluth | ★★★★★★★ | | | $ 256,000 | 7.8 | $ 32,914 | Mid-term |
| Grand Ave, Grand Ave, N 40th Ave W, N 40th Ave W | 46.751662,-92.15132 | City of Duluth | ★★★★★★★ | | | $ 273,000 | 7.8 | $ 35,100 | Mid-term |
| Grand Ave, 88th Ave W | 46.697264,-92.217955 | City of Duluth | ★★★★★★½ | | | $ 257,000 | 7.2 | $ 35,585 | Mid-term |
| Bristol St, Central Ave, Central Ave | 46.737641,-92.166577 | City of Duluth | ★★★★★★½ | | | $ 263,000 | 7.2 | $ 36,415 | Mid-term |
| Belknap St, Highway 53, E 2nd St - Hwy 53/2, Marina Dr | 46.722237,-92.068388 | City of Superior | ★★★★★★½ | | | $ 264,000 | 7.2 | $ 36,554 | Mid-term |
| N 59th Ave W, Grand Ave, S 59th Ave W, Grand Ave | 46.736998,-92.171989 | City of Duluth | ★★★★★★★ | | | $ 294,000 | 7.8 | $ 37,800 | Mid-term |
| US 53, US 53, S Arlington Ave | 46.782563,-92.138722 | City of Duluth | ★★★★★★★ | | | $ 297,000 | 7.8 | $ 38,186 | Mid-term |
| Ramsey St, Grand Ave | 46.739014,-92.169151 | City of Duluth | ★★★★★★★ | | | $ 323,000 | 7.8 | $ 41,529 | Mid-term |
| US 53, Maple Grove Rd | 46.807792,-92.163401 | City of Duluth | ★★★★★★½ | | | $ 323,000 | 7.2 | $ 44,723 | Mid-term |
| E Superior St, N 4th Ave E | 46.790771,-92.093213 | City of Duluth | ★★★★★★★½ | | | $ 405,000 | 8.3 | $ 48,600 | Mid-term |
| Tower Ave, N 31st St | 46.702589,-92.10406 | City of Superior | ★★★★★★★★ | | | $ 502,000 | 10 | $ 50,200 | Mid-term |
| Central Ave, Ramsey St, Ramsey St | 46.73891,-92.166567 | City of Duluth | ★★★★★★★ | | | $ 400,000 | 7.8 | $ 51,429 | Mid-term |
| Tower Ave, Tower Ave, N 34th St, N 34th St | 46.698911,-92.104079 | City of Superior | ★★★★★★½ | | | $ 380,000 | 7.2 | $ 52,615 | Mid-term |
| E St Marie St, Woodland Ave, W Saint Marie St | 46.822148,-92.074099 | City of Duluth | ★★★★★★★ | | | $ 420,000 | 7.8 | $ 54,000 | Mid-term |
| Woodland Ave, Clover St | 46.815825,-92.078254 | City of Duluth | ★★★★★★★ | | | $ 420,000 | 7.8 | $ 54,000 | Mid-term |
| Woodland Ave, Summit St | 46.817772,-92.077898 | City of Duluth | ★★★★★★★½ | | | $ 453,000 | 8.3 | $ 54,360 | Mid-term |
| N Cental Ave, Grand Ave, Central Ave, Grand Ave | 46.740858,-92.166553 | City of Duluth | ★★★★★★★ | | | $ 442,000 | 7.8 | $ 56,829 | Mid-term |
| US 53, Cottonwood Ave/Loberg Ave | 46.805561,-92.156889 | City of Duluth | ★★★★★★★ | | | $ 453,000 | 7.8 | $ 58,243 | Mid-term |
| E Central Entrance, S Arlington Ave | 46.800418,-92.132132 | City of Duluth | ★★★★★★★½ | | | $ 489,000 | 8.3 | $ 58,680 | Mid-term |
| N 2nd Ave W, W 2nd St | 46.786435,-92.102837 | City of Duluth | ★★★★★★★★½ | ★ | | $ 612,000 | 9.4 | $ 64,800 | **Mid-term** |
| E 3rd St, E 3rd St, N 3rd Ave E | 46.791815,-92.097719 | City of Duluth | ★★★★★★★ | ★ | | $ 516,000 | 7.8 | $ 66,343 | **Mid-term** |
| Haines Rd, Arrowhead Rd, Haines Rd, Arrowhead Rd | 46.822086,-92.174837 | City of Hermantown | ★★★★★★★ | ★ | | $ 533,000 | 7.8 | $ 68,529 | **Mid-term** |
| Highway 53, Grand Ave, Grand Ave | 46.733759,-92.093319 | City of Superior | ★★★★★★★½ | ★ | | $ 620,000 | 8.3 | $ 74,400 | **Mid-term** |
| Hammond Ave, N 7th St | 46.730219,-92.097852 | City of Superior | ★★★★★★½ | ★ | | $ 560,000 | 7.2 | $ 77,538 | **Mid-term** |
| N 6th Ave E, E 6th St | 46.7967,-92.097284 | City of Duluth | ★★★★★★★ | ★ | | $ 675,000 | 7.8 | $ 86,786 | **Mid-term** |
| Grand Ave, N 6th St | 46.731369,-92.093355 | City of Superior | ★★★★★★★ | ★ | | $ 978,000 | 7.8 | $ 125,743 | **Mid-term** |
| Winter St, Hammond Ave, Winter St | 46.727879,-92.097828 | City of Superior | ★★★★★★★ | ★ | | $ 1,808,000 | 7.8 | $ 232,457 | **Mid-term** |
| Hammond Ave, N 6th St | 46.731377,-92.097843 | City of Superior | ★★★★★★½ | ★ | | $ 2,148,000 | 7.2 | $ 297,415 | **Mid-term** |
| E Central Entrance, Pecan Ave | 46.799475,-92.116465 | City of Duluth | ★★★★★★★ | | ★ | $ 3,004,000 | 7.8 | $ 386,229 | **Mid-term** |
| Tower Ave, N 20th St | 46.714713,-92.103983 | City of Superior | ★★★★★★★★ | | | $ 564,000 | 8.9 | $ 63,450 | Long-term |
| Belknap St, Hughitt Ave | 46.720639,-92.099447 | City of Superior | ★★★★★★½ | | | $ 478,000 | 7.2 | $ 66,185 | Long-term |
| Tower Ave, N 40th St | 46.6917,-92.104146 | City of Superior | ★★★★★★½ | | | $ 478,000 | 7.2 | $ 66,185 | Long-term |
| Tower Ave, N 17th St | 46.718164,-92.103965 | City of Superior | ★★★★★★★½ | | | $ 553,000 | 8.3 | $ 66,360 | Long-term |
| Tower Ave, N 19th St | 46.715859,-92.103961 | City of Superior | ★★★★★★★½ | | | $ 553,000 | 8.3 | $ 66,360 | Long-term |
| W Central Entrance, Basswood Ave | 46.800474,-92.135306 | City of Duluth | ★★★★★★½ | | | $ 489,000 | 7.2 | $ 67,708 | Long-term |
| Tower Ave, N 23rd St | 46.710983,-92.104012 | City of Superior | ★★★★★★½ | | | $ 500,000 | 7.2 | $ 69,231 | Long-term |
| Woodland Ave, Woodland Ave, E Oxford St | 46.833266,-92.072396 | City of Duluth | ★★★★★★½ | | | $ 506,000 | 7.2 | $ 70,062 | Long-term |
| W Central Entrance, Mall Dr | 46.802217,-92.148685 | City of Duluth | ★★★★★★★ | | | $ 565,000 | 7.8 | $ 72,643 | Long-term |

# Safety Emphasis Area 4

**Urban Intersections**
**Bike Ped Crashes**

| Road Name | Lat/Long | Municipality | Total Stars | High Social Vulnerability Index Location | Public Input Hotspot Location | Project Cost Estimate | Weighted Risk Factor | Prioritization ($ per Weighted Risk Factor) | Implementation Timeline Priority |
|---|---|---|---|---|---|---|---|---|---|
| E 2nd St - Hwy 53/2, E 2nd St - Hwy 53/2, E 3rd St | 46.67769,-92.01047 | City of Superior | ★★★★★½ | | | $ 548,000 | 7.2 | $ 75,877 | Long-term |
| Tower Ave, Tower Ave, N 37th St, N 37th St | 46.695387,-92.10411 | City of Superior | ★★★★★★½ | | | $ 640,000 | 8.3 | $ 76,800 | Long-term |
| Tower Ave, Tower Ave, N 16th St | 46.719309,-92.103964 | City of Superior | ★★★★★★★½ | | | $ 808,000 | 9.4 | $ 85,553 | Long-term |
| E 9th St, N Central Entrance, N 6th Ave E | 46.798692,-92.100577 | City of Duluth | ★★★★★★½ | | | $ 845,000 | 8.3 | $ 101,400 | Long-term |
| Tower Ave, N 18th St | 46.717022,-92.10396 | City of Superior | ★★★★★★★★ | | | $ 981,000 | 8.9 | $ 110,363 | Long-term |
| N Central Entrance, E 10th St | 46.798724,-92.102459 | City of Duluth | ★★★★★★½ | | | $ 1,072,000 | 7.2 | $ 148,431 | Long-term |
| Belknap St, Catlin Ave, Catlin Ave | 46.720595,-92.087471 | City of Superior | ★★★★★★½ | | | $ 1,799,000 | 7.2 | $ 249,092 | Long-term |
| Tower Ave, N 28th Ave, N 28th St, Tower Ave | 46.706202,-92.104034 | City of Superior | ★★★★★★★★★★ | | | $ 2,725,000 | 10 | $ 272,500 | Long-term |
| Belknap St, Hammond Ave | 46.720626,-92.097883 | City of Superior | ★★★★★★★½ | | | $ 2,903,000 | 8.3 | $ 348,360 | Long-term |
| Miller Trunk Hwy, W Central Entrance, US 53 (Trinity Rd), Joshua Ave | 46.804276,-92.153697 | City of Duluth | ★★★★★★★ | | | $ 3,040,000 | 7.8 | $ 390,857 | Long-term |
| E Central Entrance, Blackman Ave | 46.800081,-92.121644 | City of Duluth | ★★★★★★★ | | | $ 3,404,000 | 7.8 | $ 437,657 | Long-term |