Post-Construction Delay Summary
South Dakota - 100 MNT
Route C New Const. Alternatives
Train Length = 7,400 Feet

| MILEPOST | Number of Roadway Lanes | ADT | Post-Construction | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Train Speed (mph) | Train Length (feet) | Trains Per | | Total Blocked Time/ Train | Average Delay/ Veh. (min) | Number of Vehicles Delayed Per Day | Maximum Vehicle Queue | Average Delay for all Vehicles (sec/veh) |
| | | | | | Day | Hour | | | | | |
| 67850 | 2 | 100 | 45.0 | 7400 | 37 | 1.5 | 2.4 | 1.5 | 6.1 | 0.2 | 10.8 |
| **Oral Segment** | | | | | | | | | | | |
| **Custer County** | | | | | | | | | | | |
| 66180 | 2 | 25 | 45.0 | 7400 | 37 | 1.5 | 2.4 | 1.5 | 1.5 | 0.1 | 10.8 |
| 66210 | 2 | 25 | 45.0 | 7400 | 37 | 1.5 | 2.4 | 1.5 | 1.5 | 0.1 | 10.8 |
| 66390 | 2 | 25 | 45.0 | 7400 | 37 | 1.5 | 2.4 | 1.5 | 1.5 | 0.1 | 10.8 |
| **Fall River County** | | | | | | | | | | | |
| 67090 | 2 | 25 | 45.0 | 7400 | 37 | 1.5 | 2.4 | 1.5 | 1.5 | 0.1 | 10.8 |
| **Hay Canyon Segment** | | | | | | | | | | | |
| **Custer County** | | | | | | | | | | | |
| 66180 | 2 | 25 | 45.0 | 7400 | 37 | 1.5 | 2.4 | 1.5 | 1.5 | 0.1 | 10.8 |
| 66210 | 2 | 25 | 45.0 | 7400 | 37 | 1.5 | 2.4 | 1.5 | 1.5 | 0.1 | 10.8 |
| 66390 | 2 | 25 | 45.0 | 7400 | 37 | 1.5 | 2.4 | 1.5 | 1.5 | 0.1 | 10.8 |
| 66600 | 2 | 25 | 45.0 | 7400 | 37 | 1.5 | 2.4 | 1.5 | 1.5 | 0.1 | 10.8 |
| **Fall River County** | | | | | | | | | | | |
| 67090 | 2 | 25 | 45.0 | 7400 | 37 | 1.5 | 2.4 | 1.5 | 1.5 | 0.1 | 10.8 |

Pre/Post-Construction Delays
South Dakota -20 MNT
Alternative D
Train Length = 6,400 Feet

| STREET | MILEPOST | Number of Roadway Lanes | ADT | Pre-Construction | | | | | | | | | Post-Construction | | | | | | | | | Difference Average Delay/ Veh. (min.) | Trip Threshold |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Train Speed (mph) | Train Length (feet) | Trains Per Day | Trains Per Hour | Total Blocked Time/ Train (min.) | Average Delay/ Veh. (min) | Number of Vehicles Delayed Per Day | Maximum Vehicle Queue | Average Delay for all Vehicles (sec/veh) | Train Speed (mph) | Train Length (feet) | Trains Per Day | Trains Per Hour | Total Blocked Time/ Train | Average Delay/ Veh. (min) | Number of Vehicles Delayed Per Day | Maximum Vehicle Queue | Average Delay for all Vehicles (sec/veh) | | |
| **Pennington County** | | | | | | | | | | | | | | | | | | | | | | | |
| Baseline Road | 591.00 | 2 | 1658 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 13.5 | 4.8 | 1.7 | 49.0 | 6400 | 11 | 0.5 | 2.0 | 1.3 | 25.1 | 3.3 | 2.3 | -0.5 | NO |
| Jensen Road | 600.60 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 11 | 0.5 | 2.0 | 1.3 | 1.5 | 0.2 | 2.3 | -0.5 | NO |
| Baseline Road | 606.90 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 11 | 0.5 | 2.0 | 1.3 | 1.5 | 0.2 | 2.3 | -0.5 | NO |
| 173rd Ave (Owanka Ro | 614.30 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 11 | 0.5 | 2.0 | 1.3 | 1.5 | 0.2 | 2.3 | -0.5 | NO |
| Sharpe Road | 621.50 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 11 | 0.5 | 2.0 | 1.3 | 1.5 | 0.2 | 2.3 | -0.5 | NO |
| Libertine Road | 623.50 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 11 | 0.5 | 2.0 | 1.3 | 1.5 | 0.2 | 2.3 | -0.5 | NO |
| Knuppe Road | 626.10 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 11 | 0.5 | 2.0 | 1.3 | 1.5 | 0.2 | 2.3 | -0.5 | NO |
| 161st Ave (A. Ave.) | 627.40 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 11 | 0.5 | 2.0 | 1.3 | 1.5 | 0.2 | 2.3 | -0.5 | NO |
| Garrett Road | 629.00 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 11 | 0.5 | 2.0 | 1.3 | 1.5 | 0.2 | 2.3 | -0.5 | NO |
| Spevak Road | 633.00 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 11 | 0.5 | 2.0 | 1.3 | 1.5 | 0.2 | 2.3 | -0.5 | NO |
| Melke Road | 638.10 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 11 | 0.5 | 2.0 | 1.3 | 1.5 | 0.2 | 2.3 | -0.5 | NO |
| Spruce Drive | 639.10 | 2 | 322 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 2.6 | 0.9 | 1.7 | 49.0 | 6400 | 11 | 0.5 | 2.0 | 1.3 | 4.9 | 0.6 | 2.3 | -0.5 | NO |
| Cottonwood Drive | 640.50 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 11 | 0.5 | 2.0 | 1.3 | 1.5 | 0.2 | 2.3 | -0.5 | NO |
| Cedar Street | 640.60 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 11 | 0.5 | 2.0 | 1.3 | 1.5 | 0.2 | 2.3 | -0.5 | NO |
| Cobler Road | 641.00 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 11 | 0.5 | 2.0 | 1.3 | 1.5 | 0.2 | 2.3 | -0.5 | NO |
| Elk Creek Road | 643.80 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 11 | 0.5 | 2.0 | 1.3 | 1.5 | 0.2 | 2.3 | -0.5 | NO |
| Eglin Street | 645.00 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 11 | 0.5 | 2.0 | 1.3 | 1.5 | 0.2 | 2.3 | -0.5 | NO |
| I-16t | 645.10 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 11 | 0.5 | 2.0 | 1.3 | 1.5 | 0.2 | 2.3 | -0.5 | NO |
| Century Road | 645.40 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 11 | 0.5 | 2.0 | 1.3 | 1.5 | 0.2 | 2.3 | -0.5 | NO |
| North Lacrosse Road | 646.30 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 11 | 0.5 | 2.0 | 1.3 | 1.5 | 0.2 | 2.3 | -0.5 | NO |
| Milwaukee Street | 646.60 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 11 | 0.5 | 2.0 | 1.3 | 1.5 | 0.2 | 2.3 | -0.5 | NO |
| Maple Avenue | 648.80 | 2 | 1492 | 30 | 6400 | 2 | 0.1 | 2.9 | 1.8 | 6.1 | 4.4 | 0.9 | 49.0 | 6400 | 11 | 0.5 | 2.0 | 1.3 | 22.6 | 3.0 | 2.3 | -0.5 | NO |
| East Blvd. North | 649.90 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 11 | 0.5 | 2.0 | 1.3 | 1.5 | 0.2 | 2.3 | -0.5 | NO |
| New York Street | 647.10 | 2 | 956 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 7.8 | 2.8 | 1.7 | 49.0 | 6400 | 11 | 0.5 | 2.0 | 1.3 | 14.5 | 1.9 | 2.3 | -0.5 | NO |
| Omaha Street | | 4 | 2600 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 21.1 | 3.8 | 1.7 | 49.0 | 6400 | 11 | 0.5 | 2.0 | 1.3 | 39.4 | 2.6 | 2.3 | -0.5 | NO |
| 2nd Street | 100.00 | 2 | 2272 | 20 | 6400 | 4 | 0.2 | 4.1 | 2.4 | 26.1 | 9.4 | 3.3 | 49.0 | 6400 | 11 | 0.5 | 2.0 | 1.3 | 34.4 | 4.5 | 2.3 | -1.1 | NO |
| 1st Street | 99.90 | 2 | 4880 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 39.6 | 14.3 | 1.7 | 49.0 | 6400 | 11 | 0.5 | 2.0 | 1.3 | 74.0 | 9.7 | 2.3 | -0.5 | NO |
| East Blvd. | 99.70 | 4 | 16500 | 20 | 6400 | 6 | 0.3 | 4.1 | 2.4 | 284.4 | 34.1 | 4.9 | 49.0 | 6400 | 11 | 0.5 | 2.0 | 1.3 | 250.1 | 16.4 | 2.3 | -1.1 | NO |
| Maple Avenue | 99.50 | 2 | 7891 | 30 | 6400 | 8 | 0.3 | 2.9 | 1.8 | 128.2 | 23.1 | 3.4 | 49.0 | 6400 | 11 | 0.5 | 2.0 | 1.3 | 119.6 | 15.7 | 2.3 | -0.5 | NO |
| Steele Ave. | 99.10 | 2 | 516 | 30 | 6400 | 8 | 0.3 | 2.9 | 1.8 | 8.4 | 1.5 | 3.4 | 49.0 | 6400 | 11 | 0.5 | 2.0 | 1.3 | 7.8 | 1.0 | 2.3 | -0.5 | NO |
| E. Saint Charles Street | 98.50 | 2 | 392 | 30 | 6400 | 8 | 0.3 | 2.9 | 1.8 | 6.4 | 1.1 | 3.4 | 49.0 | 6400 | 11 | 0.5 | 2.0 | 1.3 | 5.9 | 0.8 | 2.3 | -0.5 | NO |
| E. Saint Patrick Street | 98.30 | 5 | 12734 | 20 | 6400 | 4 | 0.2 | 4.1 | 2.4 | 146.3 | 21.1 | 3.3 | 49.0 | 6400 | 11 | 0.5 | 2.0 | 1.3 | 193.0 | 10.1 | 2.3 | -1.1 | NO |
| Campbell Street | 97.80 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 11 | 0.5 | 2.0 | 1.3 | 1.5 | 0.2 | 2.3 | -0.5 | NO |
| Warren Lamb Road | 93.40 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 11 | 0.5 | 2.0 | 1.3 | 1.5 | 0.2 | 2.3 | -0.5 | NO |
| Antelope Creek Road | 89.60 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 11 | 0.5 | 2.0 | 1.3 | 1.5 | 0.2 | 2.3 | -0.5 | NO |
| Lower Spring Creek Rd | 87.30 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 11 | 0.5 | 2.0 | 1.3 | 1.5 | 0.2 | 2.3 | -0.5 | NO |
| Daughenbaugh Road | 84.50 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 11 | 0.5 | 2.0 | 1.3 | 1.5 | 0.2 | 2.3 | -0.5 | NO |
| **Custer County** | | | | | | | | | | | | | | | | | | | | | | | |
| U.S. Highway 40 | | 2 | 2122 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 17.2 | 6.2 | 1.7 | 49.0 | 6400 | 11 | 0.5 | 2.0 | 1.3 | 32.2 | 4.2 | 2.3 | -0.5 | NO |
| Vilas Road | 78.90 | 1 | 40 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.3 | 0.2 | 1.7 | 49.0 | 6400 | 11 | 0.5 | 2.0 | 1.3 | 0.6 | 0.2 | 2.3 | -0.5 | NO |
| County Road 6 | 77.90 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 11 | 0.5 | 2.0 | 1.3 | 1.5 | 0.2 | 2.3 | -0.5 | NO |
| County Road 7 | 74.30 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 11 | 0.5 | 2.0 | 1.3 | 1.5 | 0.2 | 2.3 | -0.5 | NO |
| County Road 18 | 68.60 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 11 | 0.5 | 2.0 | 1.3 | 1.5 | 0.2 | 2.3 | -0.5 | NO |
| French Creek Road | 66.60 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 11 | 0.5 | 2.0 | 1.3 | 1.5 | 0.2 | 2.3 | -0.5 | NO |
| County Road 656 | 50.70 | 2 | 65 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.5 | 0.2 | 1.7 | 49.0 | 6400 | 11 | 0.5 | 2.0 | 1.3 | 1.0 | 0.1 | 2.3 | -0.5 | NO |
| Dewey Road | 48.30 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 11 | 0.5 | 2.0 | 1.3 | 1.5 | 0.2 | 2.3 | -0.5 | NO |
| **Fall River County** | | | | | | | | | | | | | | | | | | | | | | | |
| County Road 2 | 43.70 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 11 | 0.5 | 2.0 | 1.3 | 1.5 | 0.2 | 2.3 | -0.5 | NO |
| County Road 14 | 39.80 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 11 | 0.5 | 2.0 | 1.3 | 1.5 | 0.2 | 2.3 | -0.5 | NO |
| County Road 2 | 36.50 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 11 | 0.5 | 2.0 | 1.3 | 1.5 | 0.2 | 2.3 | -0.5 | NO |

Pre/Post-Construction Delays
South Dakota -20 MNT
Alternative D
Train Length = 6,400 Feet

| STREET | MILEPOST | Number of Roadway Lanes | ADT | Pre-Construction | | | | | | | | | Post-Construction | | | | | | | | | Difference Average Delay/ Veh. (min.) | Trip Threshold |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Train Speed (mph) | Train Length (feet) | Trains Per Day | Trains Per Hour | Total Blocked Time/ Train (min.) | Average Delay/ Veh. (min) | Number of Vehicles Delayed Per Day | Maximum Vehicle Queue | Average Delay for all Vehicles (sec/veh) | Train Speed (mph) | Train Length (feet) | Trains Per Day | Trains Per Hour | Total Blocked Time/ Train | Average Delay/ Veh. (min) | Number of Vehicles Delayed Per Day | Maximum Vehicle Queue | Average Delay for all Vehicles (sec/veh) | | |
| County Road 2 | 35.80 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 11 | 0.5 | 2.0 | 1.3 | 1.5 | 0.2 | 2.3 | -0.5 | NO |
| County Road 1 | 35.50 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 11 | 0.5 | 2.0 | 1.3 | 1.5 | 0.2 | 2.3 | -0.5 | NO |
| CO Road 19 | 500.80 | 2 | 100 | NEW CROSSING | | | | | | | | | 49.0 | 6400 | 11 | 0.5 | 2.0 | 1.3 | 1.5 | 0.2 | 2.3 | | |
| US HWY 18 | 502.80 | 2 | 100 | NEW CROSSING | | | | | | | | | 49.0 | 6400 | 11 | 0.5 | 2.0 | 1.3 | 1.5 | 0.2 | 2.3 | | |
| CO Road 79 | 504.80 | 2 | 100 | NEW CROSSING | | | | | | | | | 49.0 | 6400 | 11 | 0.5 | 2.0 | 1.3 | 1.5 | 0.2 | 2.3 | | |
| CO Road 6 | 510.40 | 2 | 100 | NEW CROSSING | | | | | | | | | 49.0 | 6400 | 11 | 0.5 | 2.0 | 1.3 | 1.5 | 0.2 | 2.3 | | |
| CO Road 6 | 514.30 | 2 | 100 | NEW CROSSING | | | | | | | | | 49.0 | 6400 | 11 | 0.5 | 2.0 | 1.3 | 1.5 | 0.2 | 2.3 | | |
| CO Road 6 | 515.90 | 2 | 100 | NEW CROSSING | | | | | | | | | 49.0 | 6400 | 11 | 0.5 | 2.0 | 1.3 | 1.5 | 0.2 | 2.3 | | |
| CO Road 6c | 516.40 | 2 | 100 | NEW CROSSING | | | | | | | | | 49.0 | 6400 | 11 | 0.5 | 2.0 | 1.3 | 1.5 | 0.2 | 2.3 | | |
| SD HWY 71 | 520.00 | 2 | 100 | NEW CROSSING | | | | | | | | | 49.0 | 6400 | 11 | 0.5 | 2.0 | 1.3 | 1.5 | 0.2 | 2.3 | | |
| CO Road 3292 | 526.00 | 2 | 100 | NEW CROSSING | | | | | | | | | 49.0 | 6400 | 11 | 0.5 | 2.0 | 1.3 | 1.5 | 0.2 | 2.3 | | |
| CO HWY 6E | | 2 | 100 | NEW CROSSING | | | | | | | | | 49.0 | 6400 | 11 | 0.5 | 2.0 | 1.3 | 1.5 | 0.2 | 2.3 | | |
| OLD US HWY 18 | | 2 | 100 | NEW CROSSING | | | | | | | | | 49.0 | 6400 | 11 | 0.5 | 2.0 | 1.3 | 1.5 | 0.2 | 2.3 | | |
| US HWY 18 | 532.00 | 2 | 100 | NEW CROSSING | | | | | | | | | 49.0 | 6400 | 11 | 0.5 | 2.0 | 1.3 | 1.5 | 0.2 | 2.3 | | |
| CO HWY 6463 | 534.10 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 15 | 0.6 | 2.0 | 1.3 | 2.1 | 0.2 | 3.2 | -0.5 | NO |
| CO HWY 6463 | 483.80 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 15 | 0.6 | 2.0 | 1.3 | 2.1 | 0.2 | 3.2 | -0.5 | NO |
| CO HWY 6463 | 484.70 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 15 | 0.6 | 2.0 | 1.3 | 2.1 | 0.2 | 3.2 | -0.5 | NO |
| CO HWY 6463 | 491.20 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 15 | 0.6 | 2.0 | 1.3 | 2.1 | 0.2 | 3.2 | -0.5 | NO |

Pre/Post-Construction Delays
South Dakota -20 MNT
Alternative D
Train Length = 7,400 Feet

| STREET | MILEPOST | Number of Roadway Lanes | ADT | Pre-Construction | | | | | | | | | Post-Construction | | | | | | | | | Difference Average Delay/ Veh. (min.) | Trip Threshold |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Train Speed (mph) | Train Length (feet) | Trains Per Day | Trains Per Hour | Total Blocked Time/ Train (min.) | Average Delay/ Veh. (min) | Number of Vehicles Delayed Per Day | Maximum Vehicle Queue | Average Delay for all Vehicles (sec/veh) | Train Speed (mph) | Train Length (feet) | Trains Per Day | Trains Per Hour | Total Blocked Time/ Train | Average Delay/ Veh. (min) | Number of Vehicles Delayed Per Day | Maximum Vehicle Queue | Average Delay for all Vehicles (sec/veh) | | |
| **Pennington County** | | | | | | | | | | | | | | | | | | | | | | | |
| Baseline Road | 591.00 | 2 | 1658 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 13.5 | 4.8 | 1.7 | 49.0 | 7400 | 11 | 0.5 | 2.2 | 1.4 | 28.1 | 3.7 | 2.9 | -0.4 | NO |
| Jensen Road | 600.60 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 11 | 0.5 | 2.2 | 1.4 | 1.7 | 0.2 | 2.9 | -0.4 | NO |
| Baseline Road | 606.90 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 11 | 0.5 | 2.2 | 1.4 | 1.7 | 0.2 | 2.9 | -0.4 | NO |
| 173rd Ave (Owanka Ro | 614.30 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 11 | 0.5 | 2.2 | 1.4 | 1.7 | 0.2 | 2.9 | -0.4 | NO |
| Sharpe Road | 621.50 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 11 | 0.5 | 2.2 | 1.4 | 1.7 | 0.2 | 2.9 | -0.4 | NO |
| Libertine Road | 623.50 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 11 | 0.5 | 2.2 | 1.4 | 1.7 | 0.2 | 2.9 | -0.4 | NO |
| Knuppe Road | 626.10 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 11 | 0.5 | 2.2 | 1.4 | 1.7 | 0.2 | 2.9 | -0.4 | NO |
| 161st Ave (A. Ave.) | 627.40 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 11 | 0.5 | 2.2 | 1.4 | 1.7 | 0.2 | 2.9 | -0.4 | NO |
| Garrett Road | 629.00 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 11 | 0.5 | 2.2 | 1.4 | 1.7 | 0.2 | 2.9 | -0.4 | NO |
| Spevak Road | 633.00 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 11 | 0.5 | 2.2 | 1.4 | 1.7 | 0.2 | 2.9 | -0.4 | NO |
| Melke Road | 638.10 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 11 | 0.5 | 2.2 | 1.4 | 1.7 | 0.2 | 2.9 | -0.4 | NO |
| Spruce Drive | 639.10 | 2 | 322 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 2.6 | 0.9 | 1.7 | 49.0 | 7400 | 11 | 0.5 | 2.2 | 1.4 | 5.5 | 0.7 | 2.9 | -0.4 | NO |
| Cottonwood Drive | 640.50 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 11 | 0.5 | 2.2 | 1.4 | 1.7 | 0.2 | 2.9 | -0.4 | NO |
| Cedar Street | 640.60 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 11 | 0.5 | 2.2 | 1.4 | 1.7 | 0.2 | 2.9 | -0.4 | NO |
| Cobler Road | 641.00 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 11 | 0.5 | 2.2 | 1.4 | 1.7 | 0.2 | 2.9 | -0.4 | NO |
| Elk Creek Road | 643.80 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 11 | 0.5 | 2.2 | 1.4 | 1.7 | 0.2 | 2.9 | -0.4 | NO |
| Eglin Street | 645.00 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 11 | 0.5 | 2.2 | 1.4 | 1.7 | 0.2 | 2.9 | -0.4 | NO |
| I-16t | 645.10 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 11 | 0.5 | 2.2 | 1.4 | 1.7 | 0.2 | 2.9 | -0.4 | NO |
| Century Road | 645.40 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 11 | 0.5 | 2.2 | 1.4 | 1.7 | 0.2 | 2.9 | -0.4 | NO |
| North Lacrosse Road | 646.30 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 11 | 0.5 | 2.2 | 1.4 | 1.7 | 0.2 | 2.9 | -0.4 | NO |
| Milwaukee Street | 646.60 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 11 | 0.5 | 2.2 | 1.4 | 1.7 | 0.2 | 2.9 | -0.4 | NO |
| Maple Avenue | 648.80 | 2 | 1492 | 30 | 6400 | 2 | 0.1 | 2.9 | 1.8 | 6.1 | 4.4 | 0.9 | 49.0 | 7400 | 11 | 0.5 | 2.2 | 1.4 | 25.3 | 3.3 | 2.9 | -0.4 | NO |
| East Blvd. North | 649.90 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 11 | 0.5 | 2.2 | 1.4 | 1.7 | 0.2 | 2.9 | -0.4 | NO |
| New York Street | 647.10 | 2 | 956 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 7.8 | 2.8 | 1.7 | 49.0 | 7400 | 11 | 0.5 | 2.2 | 1.4 | 16.2 | 2.1 | 2.9 | -0.4 | NO |
| Omaha Street | | 4 | 2600 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 21.1 | 3.8 | 1.7 | 49.0 | 7400 | 11 | 0.5 | 2.2 | 1.4 | 44.0 | 2.9 | 2.9 | -0.4 | NO |
| 2nd Street | 100.00 | 2 | 2272 | 20 | 6400 | 4 | 0.2 | 4.1 | 2.4 | 26.1 | 9.4 | 3.3 | 49.0 | 7400 | 11 | 0.5 | 2.2 | 1.4 | 38.5 | 5.0 | 2.9 | -1.0 | NO |
| 1st Street | 99.90 | 2 | 4880 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 39.6 | 14.3 | 1.7 | 49.0 | 7400 | 11 | 0.5 | 2.2 | 1.4 | 82.6 | 10.8 | 2.9 | -0.4 | NO |
| East Blvd. | 99.70 | 4 | 16500 | 20 | 6400 | 6 | 0.3 | 4.1 | 2.4 | 284.4 | 34.1 | 4.9 | 49.0 | 7400 | 11 | 0.5 | 2.2 | 1.4 | 279.3 | 18.3 | 2.9 | -1.0 | NO |
| Maple Avenue | 99.50 | 2 | 7891 | 30 | 6400 | 8 | 0.3 | 2.9 | 1.8 | 128.2 | 23.1 | 3.4 | 49.0 | 7400 | 11 | 0.5 | 2.2 | 1.4 | 133.6 | 17.5 | 2.9 | -0.4 | NO |
| Steele Ave. | 99.10 | 2 | 516 | 30 | 6400 | 8 | 0.3 | 2.9 | 1.8 | 8.4 | 1.5 | 3.4 | 49.0 | 7400 | 11 | 0.5 | 2.2 | 1.4 | 8.7 | 1.1 | 2.9 | -0.4 | NO |
| E. Saint Charles Street | 98.50 | 2 | 392 | 30 | 6400 | 8 | 0.3 | 2.9 | 1.8 | 6.4 | 1.1 | 3.4 | 49.0 | 7400 | 11 | 0.5 | 2.2 | 1.4 | 6.6 | 0.9 | 2.9 | -0.4 | NO |
| E. Saint Patrick Street | 98.30 | 5 | 12734 | 20 | 6400 | 4 | 0.2 | 4.1 | 2.4 | 146.3 | 21.1 | 3.3 | 49.0 | 7400 | 11 | 0.5 | 2.2 | 1.4 | 215.6 | 11.3 | 2.9 | -1.0 | NO |
| Campbell Street | 97.80 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 11 | 0.5 | 2.2 | 1.4 | 1.7 | 0.2 | 2.9 | -0.4 | NO |
| Warren Lamb Road | 93.40 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 11 | 0.5 | 2.2 | 1.4 | 1.7 | 0.2 | 2.9 | -0.4 | NO |
| Antelope Creek Road | 89.60 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 11 | 0.5 | 2.2 | 1.4 | 1.7 | 0.2 | 2.9 | -0.4 | NO |
| Lower Spring Creek Rd | 87.30 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 11 | 0.5 | 2.2 | 1.4 | 1.7 | 0.2 | 2.9 | -0.4 | NO |
| Daughenbaugh Road | 84.50 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 11 | 0.5 | 2.2 | 1.4 | 1.7 | 0.2 | 2.9 | -0.4 | NO |
| **Custer County** | | | | | | | | | | | | | | | | | | | | | | | |
| U.S. Highway 40 | | 2 | 2122 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 17.2 | 6.2 | 1.7 | 49.0 | 7400 | 11 | 0.5 | 2.2 | 1.4 | 35.9 | 4.7 | 2.9 | -0.4 | NO |
| Vilas Road | 78.90 | 1 | 40 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.3 | 0.2 | 1.7 | 49.0 | 7400 | 11 | 0.5 | 2.2 | 1.4 | 0.7 | 0.2 | 2.9 | -0.4 | NO |
| County Road 6 | 77.90 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 11 | 0.5 | 2.2 | 1.4 | 1.7 | 0.2 | 2.9 | -0.4 | NO |
| County Road 7 | 74.30 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 11 | 0.5 | 2.2 | 1.4 | 1.7 | 0.2 | 2.9 | -0.4 | NO |
| County Road 18 | 68.60 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 11 | 0.5 | 2.2 | 1.4 | 1.7 | 0.2 | 2.9 | -0.4 | NO |
| French Creek Road | 66.60 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 11 | 0.5 | 2.2 | 1.4 | 1.7 | 0.2 | 2.9 | -0.4 | NO |
| County Road 656 | 50.70 | 2 | 65 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.5 | 0.2 | 1.7 | 49.0 | 7400 | 11 | 0.5 | 2.2 | 1.4 | 1.1 | 0.1 | 2.9 | -0.4 | NO |
| Dewey Road | 48.30 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 11 | 0.5 | 2.2 | 1.4 | 1.7 | 0.2 | 2.9 | -0.4 | NO |
| **Fall River County** | | | | | | | | | | | | | | | | | | | | | | | |
| County Road 2 | 43.70 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 11 | 0.5 | 2.2 | 1.4 | 1.7 | 0.2 | 2.9 | -0.4 | NO |
| County Road 14 | 39.80 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 11 | 0.5 | 2.2 | 1.4 | 1.7 | 0.2 | 2.9 | -0.4 | NO |
| County Road 2 | 36.50 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 11 | 0.5 | 2.2 | 1.4 | 1.7 | 0.2 | 2.9 | -0.4 | NO |

Pre/Post-Construction Delays
South Dakota -20 MNT
Alternative D
Train Length = 7,400 Feet

| STREET | MILEPOST | Number of Roadway Lanes | ADT | Pre-Construction | | | | | | | | | Post-Construction | | | | | | | | | Difference Average Delay/ Veh. (min.) | Trip Threshold |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Train Speed (mph) | Train Length (feet) | Trains Per Day | Trains Per Hour | Total Blocked Time/ Train (min.) | Average Delay/ Veh. (min) | Number of Vehicles Delayed Per Day | Maximum Vehicle Queue | Average Delay for all Vehicles (sec/veh) | Train Speed (mph) | Train Length (feet) | Trains Per Day | Trains Per Hour | Total Blocked Time/ Train | Average Delay/ Veh. (min) | Number of Vehicles Delayed Per Day | Maximum Vehicle Queue | Average Delay for all Vehicles (sec/veh) | | |
| County Road 2 | 35.80 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 11 | 0.5 | 2.2 | 1.4 | 1.7 | 0.2 | 2.9 | -0.4 | NO |
| County Road 1 | 35.50 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 11 | 0.5 | 2.2 | 1.4 | 1.7 | 0.2 | 2.9 | -0.4 | NO |
| CO Road 19 | 500.80 | 2 | 100 | NEW CROSSING | | | | | | | | | 49.0 | 7400 | 11 | 0.5 | 2.2 | 1.4 | 1.7 | 0.2 | 2.9 | | |
| US HWY 18 | 502.80 | 2 | 100 | NEW CROSSING | | | | | | | | | 49.0 | 7400 | 11 | 0.5 | 2.2 | 1.4 | 1.7 | 0.2 | 2.9 | | |
| CO Road 79 | 504.80 | 2 | 100 | NEW CROSSING | | | | | | | | | 49.0 | 7400 | 11 | 0.5 | 2.2 | 1.4 | 1.7 | 0.2 | 2.9 | | |
| CO Road 6 | 510.40 | 2 | 100 | NEW CROSSING | | | | | | | | | 49.0 | 7400 | 11 | 0.5 | 2.2 | 1.4 | 1.7 | 0.2 | 2.9 | | |
| CO Road 6 | 514.30 | 2 | 100 | NEW CROSSING | | | | | | | | | 49.0 | 7400 | 11 | 0.5 | 2.2 | 1.4 | 1.7 | 0.2 | 2.9 | | |
| CO Road 6 | 515.90 | 2 | 100 | NEW CROSSING | | | | | | | | | 49.0 | 7400 | 11 | 0.5 | 2.2 | 1.4 | 1.7 | 0.2 | 2.9 | | |
| CO Road 6c | 516.40 | 2 | 100 | NEW CROSSING | | | | | | | | | 49.0 | 7400 | 11 | 0.5 | 2.2 | 1.4 | 1.7 | 0.2 | 2.9 | | |
| SD HWY 71 | 520.00 | 2 | 100 | NEW CROSSING | | | | | | | | | 49.0 | 7400 | 11 | 0.5 | 2.2 | 1.4 | 1.7 | 0.2 | 2.9 | | |
| CO Road 3292 | 526.00 | 2 | 100 | NEW CROSSING | | | | | | | | | 49.0 | 7400 | 11 | 0.5 | 2.2 | 1.4 | 1.7 | 0.2 | 2.9 | | |
| CO HWY 6E | | 2 | 100 | NEW CROSSING | | | | | | | | | 49.0 | 7400 | 11 | 0.5 | 2.2 | 1.4 | 1.7 | 0.2 | 2.9 | | |
| OLD US HWY 18 | | 2 | 100 | NEW CROSSING | | | | | | | | | 49.0 | 7400 | 11 | 0.5 | 2.2 | 1.4 | 1.7 | 0.2 | 2.9 | | |
| US HWY 18 | 532.00 | 2 | 100 | NEW CROSSING | | | | | | | | | 49.0 | 7400 | 11 | 0.5 | 2.2 | 1.4 | 1.7 | 0.2 | 2.9 | | |
| CO HWY 6463 | 534.10 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 15 | 0.6 | 2.2 | 1.4 | 2.3 | 0.2 | 3.9 | -0.4 | NO |
| CO HWY 6463 | 483.80 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 15 | 0.6 | 2.2 | 1.4 | 2.3 | 0.2 | 3.9 | -0.4 | NO |
| CO HWY 6463 | 484.70 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 15 | 0.6 | 2.2 | 1.4 | 2.3 | 0.2 | 3.9 | -0.4 | NO |
| CO HWY 6463 | 491.20 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 15 | 0.6 | 2.2 | 1.4 | 2.3 | 0.2 | 3.9 | -0.4 | NO |

Pre/Post-Construction Delays
South Dakota -50 MNT
Alternative D
Train Length = 6,400 Feet

| STREET | MILEPOST | Number of Roadway Lanes | ADT | Pre-Construction | | | | | | | | | Post-Construction | | | | | | | | | Difference Average Delay/ Veh. (min.) | Trip Threshold |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Train Speed (mph) | Train Length (feet) | Trains Per Day | Trains Per Hour | Total Blocked Time/ Train (min.) | Average Delay/ Veh. (min) | Number of Vehicles Delayed Per Day | Maximum Vehicle Queue | Average Delay for all Vehicles (sec/veh) | Train Speed (mph) | Train Length (feet) | Trains Per Day | Trains Per Hour | Total Blocked Time/ Train | Average Delay/ Veh. (min) | Number of Vehicles Delayed Per Day | Maximum Vehicle Queue | Average Delay for all Vehicles (sec/veh) | | |
| **Pennington County** | | | | | | | | | | | | | | | | | | | | | | | |
| Baseline Road | 591.00 | 2 | 1658 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 13.5 | 4.8 | 1.7 | 49.0 | 6400 | 21 | 0.9 | 2.0 | 1.3 | 48.0 | 3.3 | 4.5 | -0.5 | NO |
| Jensen Road | 600.60 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 21 | 0.9 | 2.0 | 1.3 | 2.9 | 0.2 | 4.5 | -0.5 | NO |
| Baseline Road | 606.90 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 21 | 0.9 | 2.0 | 1.3 | 2.9 | 0.2 | 4.5 | -0.5 | NO |
| 173rd Ave (Owanka Ro | 614.30 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 21 | 0.9 | 2.0 | 1.3 | 2.9 | 0.2 | 4.5 | -0.5 | NO |
| Sharpe Road | 621.50 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 21 | 0.9 | 2.0 | 1.3 | 2.9 | 0.2 | 4.5 | -0.5 | NO |
| Libertine Road | 623.50 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 21 | 0.9 | 2.0 | 1.3 | 2.9 | 0.2 | 4.5 | -0.5 | NO |
| Knuppe Road | 626.10 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 21 | 0.9 | 2.0 | 1.3 | 2.9 | 0.2 | 4.5 | -0.5 | NO |
| 161st Ave (A. Ave.) | 627.40 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 21 | 0.9 | 2.0 | 1.3 | 2.9 | 0.2 | 4.5 | -0.5 | NO |
| Garrett Road | 629.00 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 21 | 0.9 | 2.0 | 1.3 | 2.9 | 0.2 | 4.5 | -0.5 | NO |
| Spevak Road | 633.00 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 21 | 0.9 | 2.0 | 1.3 | 2.9 | 0.2 | 4.5 | -0.5 | NO |
| Melke Road | 638.10 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 21 | 0.9 | 2.0 | 1.3 | 2.9 | 0.2 | 4.5 | -0.5 | NO |
| Spruce Drive | 639.10 | 2 | 322 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 2.6 | 0.9 | 1.7 | 49.0 | 6400 | 21 | 0.9 | 2.0 | 1.3 | 9.3 | 0.6 | 4.5 | -0.5 | NO |
| Cottonwood Drive | 640.50 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 21 | 0.9 | 2.0 | 1.3 | 2.9 | 0.2 | 4.5 | -0.5 | NO |
| Cedar Street | 640.60 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 21 | 0.9 | 2.0 | 1.3 | 2.9 | 0.2 | 4.5 | -0.5 | NO |
| Cobler Road | 641.00 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 21 | 0.9 | 2.0 | 1.3 | 2.9 | 0.2 | 4.5 | -0.5 | NO |
| Elk Creek Road | 643.80 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 21 | 0.9 | 2.0 | 1.3 | 2.9 | 0.2 | 4.5 | -0.5 | NO |
| Eglin Street | 645.00 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 21 | 0.9 | 2.0 | 1.3 | 2.9 | 0.2 | 4.5 | -0.5 | NO |
| I-16t | 645.10 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 21 | 0.9 | 2.0 | 1.3 | 2.9 | 0.2 | 4.5 | -0.5 | NO |
| Century Road | 645.40 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 21 | 0.9 | 2.0 | 1.3 | 2.9 | 0.2 | 4.5 | -0.5 | NO |
| North Lacrosse Road | 646.30 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 21 | 0.9 | 2.0 | 1.3 | 2.9 | 0.2 | 4.5 | -0.5 | NO |
| Milwaukee Street | 646.60 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 21 | 0.9 | 2.0 | 1.3 | 2.9 | 0.2 | 4.5 | -0.5 | NO |
| Maple Avenue | 648.80 | 2 | 1492 | 30 | 6400 | 2 | 0.1 | 2.9 | 1.8 | 6.1 | 4.4 | 0.9 | 49.0 | 6400 | 21 | 0.9 | 2.0 | 1.3 | 43.2 | 3.0 | 4.5 | -0.5 | NO |
| East Blvd. North | 649.90 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 21 | 0.9 | 2.0 | 1.3 | 2.9 | 0.2 | 4.5 | -0.5 | NO |
| New York Street | 647.10 | 2 | 956 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 7.8 | 2.8 | 1.7 | 49.0 | 6400 | 21 | 0.9 | 2.0 | 1.3 | 27.7 | 1.9 | 4.5 | -0.5 | NO |
| Omaha Street | | 4 | 2600 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 21.1 | 3.8 | 1.7 | 49.0 | 6400 | 21 | 0.9 | 2.0 | 1.3 | 75.2 | 2.6 | 4.5 | -0.5 | NO |
| 2nd Street | 100.00 | 2 | 2272 | 20 | 6400 | 4 | 0.2 | 4.1 | 2.4 | 26.1 | 9.4 | 3.3 | 49.0 | 6400 | 21 | 0.9 | 2.0 | 1.3 | 65.7 | 4.5 | 4.5 | -1.1 | NO |
| 1st Street | 99.90 | 2 | 4880 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 39.6 | 14.3 | 1.7 | 49.0 | 6400 | 21 | 0.9 | 2.0 | 1.3 | 141.2 | 9.7 | 4.5 | -0.5 | NO |
| East Blvd. | 99.70 | 4 | 16500 | 20 | 6400 | 6 | 0.3 | 4.1 | 2.4 | 284.4 | 34.1 | 4.9 | 49.0 | 6400 | 21 | 0.9 | 2.0 | 1.3 | 477.5 | 16.4 | 4.5 | -1.1 | NO |
| Maple Avenue | 99.50 | 2 | 7891 | 30 | 6400 | 8 | 0.3 | 2.9 | 1.8 | 128.2 | 23.1 | 3.4 | 49.0 | 6400 | 21 | 0.9 | 2.0 | 1.3 | 228.3 | 15.7 | 4.5 | -0.5 | NO |
| Steele Ave. | 99.10 | 2 | 516 | 30 | 6400 | 8 | 0.3 | 2.9 | 1.8 | 8.4 | 1.5 | 3.4 | 49.0 | 6400 | 21 | 0.9 | 2.0 | 1.3 | 14.9 | 1.0 | 4.5 | -0.5 | NO |
| E. Saint Charles Street | 98.50 | 2 | 392 | 30 | 6400 | 8 | 0.3 | 2.9 | 1.8 | 6.4 | 1.1 | 3.4 | 49.0 | 6400 | 21 | 0.9 | 2.0 | 1.3 | 11.3 | 0.8 | 4.5 | -0.5 | NO |
| E. Saint Patrick Street | 98.30 | 5 | 12734 | 20 | 6400 | 4 | 0.2 | 4.1 | 2.4 | 146.3 | 21.1 | 3.3 | 49.0 | 6400 | 21 | 0.9 | 2.0 | 1.3 | 368.5 | 10.1 | 4.5 | -1.1 | NO |
| Campbell Street | 97.80 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 21 | 0.9 | 2.0 | 1.3 | 2.9 | 0.2 | 4.5 | -0.5 | NO |
| Warren Lamb Road | 93.40 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 21 | 0.9 | 2.0 | 1.3 | 2.9 | 0.2 | 4.5 | -0.5 | NO |
| Antelope Creek Road | 89.60 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 21 | 0.9 | 2.0 | 1.3 | 2.9 | 0.2 | 4.5 | -0.5 | NO |
| Lower Spring Creek Rd | 87.30 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 21 | 0.9 | 2.0 | 1.3 | 2.9 | 0.2 | 4.5 | -0.5 | NO |
| Daughenbaugh Road | 84.50 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 21 | 0.9 | 2.0 | 1.3 | 2.9 | 0.2 | 4.5 | -0.5 | NO |
| **Custer County** | | | | | | | | | | | | | | | | | | | | | | | |
| U.S. Highway 40 | | 2 | 2122 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 17.2 | 6.2 | 1.7 | 49.0 | 6400 | 21 | 0.9 | 2.0 | 1.3 | 61.4 | 4.2 | 4.5 | -0.5 | NO |
| Vilas Road | 78.90 | 1 | 40 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.3 | 0.2 | 1.7 | 49.0 | 6400 | 21 | 0.9 | 2.0 | 1.3 | 1.2 | 0.2 | 4.5 | -0.5 | NO |
| County Road 6 | 77.90 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 21 | 0.9 | 2.0 | 1.3 | 2.9 | 0.2 | 4.5 | -0.5 | NO |
| County Road 7 | 74.30 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 21 | 0.9 | 2.0 | 1.3 | 2.9 | 0.2 | 4.5 | -0.5 | NO |
| County Road 18 | 68.60 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 21 | 0.9 | 2.0 | 1.3 | 2.9 | 0.2 | 4.5 | -0.5 | NO |
| French Creek Road | 66.60 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 21 | 0.9 | 2.0 | 1.3 | 2.9 | 0.2 | 4.5 | -0.5 | NO |
| County Road 656 | 50.70 | 2 | 65 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.5 | 0.2 | 1.7 | 49.0 | 6400 | 21 | 0.9 | 2.0 | 1.3 | 1.9 | 0.1 | 4.5 | -0.5 | NO |
| Dewey Road | 48.30 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 21 | 0.9 | 2.0 | 1.3 | 2.9 | 0.2 | 4.5 | -0.5 | NO |
| **Fall River County** | | | | | | | | | | | | | | | | | | | | | | | |
| County Road 2 | 43.70 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 21 | 0.9 | 2.0 | 1.3 | 2.9 | 0.2 | 4.5 | -0.5 | NO |
| County Road 14 | 39.80 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 21 | 0.9 | 2.0 | 1.3 | 2.9 | 0.2 | 4.5 | -0.5 | NO |
| County Road 2 | 36.50 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 21 | 0.9 | 2.0 | 1.3 | 2.9 | 0.2 | 4.5 | -0.5 | NO |

Pre/Post-Construction Delays
South Dakota -50 MNT
Alternative D
Train Length = 6,400 Feet

| STREET | MILEPOST | Number of Roadway Lanes | ADT | Pre-Construction | | | | | | | | | Post-Construction | | | | | | | | | Difference Average Delay/ Veh. (min.) | Trip Threshold |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Train Speed (mph) | Train Length (feet) | Trains Per Day | Trains Per Hour | Total Blocked Time/ Train (min.) | Average Delay/ Veh. (min) | Number of Vehicles Delayed Per Day | Maximum Vehicle Queue | Average Delay for all Vehicles (sec/veh) | Train Speed (mph) | Train Length (feet) | Trains Per Day | Trains Per Hour | Total Blocked Time/ Train | Average Delay/ Veh. (min) | Number of Vehicles Delayed Per Day | Maximum Vehicle Queue | Average Delay for all Vehicles (sec/veh) | | |
| County Road 2 | 35.80 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 21 | 0.9 | 2.0 | 1.3 | 2.9 | 0.2 | 4.5 | -0.5 | NO |
| County Road 1 | 35.50 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 21 | 0.9 | 2.0 | 1.3 | 2.9 | 0.2 | 4.5 | -0.5 | NO |
| CO Road 19 | 500.80 | 2 | 100 | NEW CROSSING | | | | | | | | | 49.0 | 6400 | 21 | 0.9 | 2.0 | 1.3 | 2.9 | 0.2 | 4.5 | | |
| US HWY 18 | 502.80 | 2 | 100 | NEW CROSSING | | | | | | | | | 49.0 | 6400 | 21 | 0.9 | 2.0 | 1.3 | 2.9 | 0.2 | 4.5 | | |
| CO Road 79 | 504.80 | 2 | 100 | NEW CROSSING | | | | | | | | | 49.0 | 6400 | 21 | 0.9 | 2.0 | 1.3 | 2.9 | 0.2 | 4.5 | | |
| CO Road 6 | 510.40 | 2 | 100 | NEW CROSSING | | | | | | | | | 49.0 | 6400 | 21 | 0.9 | 2.0 | 1.3 | 2.9 | 0.2 | 4.5 | | |
| CO Road 6 | 514.30 | 2 | 100 | NEW CROSSING | | | | | | | | | 49.0 | 6400 | 21 | 0.9 | 2.0 | 1.3 | 2.9 | 0.2 | 4.5 | | |
| CO Road 6 | 515.90 | 2 | 100 | NEW CROSSING | | | | | | | | | 49.0 | 6400 | 21 | 0.9 | 2.0 | 1.3 | 2.9 | 0.2 | 4.5 | | |
| CO Road 6c | 516.40 | 2 | 100 | NEW CROSSING | | | | | | | | | 49.0 | 6400 | 21 | 0.9 | 2.0 | 1.3 | 2.9 | 0.2 | 4.5 | | |
| SD HWY 71 | 520.00 | 2 | 100 | NEW CROSSING | | | | | | | | | 49.0 | 6400 | 21 | 0.9 | 2.0 | 1.3 | 2.9 | 0.2 | 4.5 | | |
| CO Road 3292 | 526.00 | 2 | 100 | NEW CROSSING | | | | | | | | | 49.0 | 6400 | 21 | 0.9 | 2.0 | 1.3 | 2.9 | 0.2 | 4.5 | | |
| CO HWY 6E | | 2 | 100 | NEW CROSSING | | | | | | | | | 49.0 | 6400 | 21 | 0.9 | 2.0 | 1.3 | 2.9 | 0.2 | 4.5 | | |
| OLD US HWY 18 | | 2 | 100 | NEW CROSSING | | | | | | | | | 49.0 | 6400 | 21 | 0.9 | 2.0 | 1.3 | 2.9 | 0.2 | 4.5 | | |
| US HWY 18 | 532.00 | 2 | 100 | NEW CROSSING | | | | | | | | | 49.0 | 6400 | 21 | 0.9 | 2.0 | 1.3 | 2.9 | 0.2 | 4.5 | | |
| CO HWY 6463 | 534.10 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 25 | 1.0 | 2.0 | 1.3 | 3.4 | 0.2 | 5.3 | -0.5 | NO |
| CO HWY 6463 | 483.80 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 25 | 1.0 | 2.0 | 1.3 | 3.4 | 0.2 | 5.3 | -0.5 | NO |
| CO HWY 6463 | 484.70 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 25 | 1.0 | 2.0 | 1.3 | 3.4 | 0.2 | 5.3 | -0.5 | NO |
| CO HWY 6463 | 491.20 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 25 | 1.0 | 2.0 | 1.3 | 3.4 | 0.2 | 5.3 | -0.5 | NO |

Pre/Post-Construction Delays
South Dakota -50 MNT
Alternative D
Train Length = 7,400 Feet

| STREET | MILEPOST | Number of Roadway Lanes | ADT | Pre-Construction | | | | | | | | | Post-Construction | | | | | | | | | Difference Average Delay/ Veh. (min.) | Trip Threshold |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Train Speed (mph) | Train Length (feet) | Trains Per Day | Trains Per Hour | Total Blocked Time/ Train (min.) | Average Delay/ Veh. (min) | Number of Vehicles Delayed Per Day | Maximum Vehicle Queue | Average Delay for all Vehicles (sec/veh) | Train Speed (mph) | Train Length (feet) | Trains Per Day | Trains Per Hour | Total Blocked Time/ Train | Average Delay/ Veh. (min) | Number of Vehicles Delayed Per Day | Maximum Vehicle Queue | Average Delay for all Vehicles (sec/veh) | | |
| **Pennington County** | | | | | | | | | | | | | | | | | | | | | | | |
| Baseline Road | 591.00 | 2 | 1658 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 13.5 | 4.8 | 1.7 | 49.0 | 7400 | 21 | 0.9 | 2.2 | 1.4 | 53.6 | 3.7 | 5.5 | -0.4 | NO |
| Jensen Road | 600.60 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 21 | 0.9 | 2.2 | 1.4 | 3.2 | 0.2 | 5.5 | -0.4 | NO |
| Baseline Road | 606.90 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 21 | 0.9 | 2.2 | 1.4 | 3.2 | 0.2 | 5.5 | -0.4 | NO |
| 173rd Ave (Owanka Ro | 614.30 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 21 | 0.9 | 2.2 | 1.4 | 3.2 | 0.2 | 5.5 | -0.4 | NO |
| Sharpe Road | 621.50 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 21 | 0.9 | 2.2 | 1.4 | 3.2 | 0.2 | 5.5 | -0.4 | NO |
| Libertine Road | 623.50 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 21 | 0.9 | 2.2 | 1.4 | 3.2 | 0.2 | 5.5 | -0.4 | NO |
| Knuppe Road | 626.10 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 21 | 0.9 | 2.2 | 1.4 | 3.2 | 0.2 | 5.5 | -0.4 | NO |
| 161st Ave (A. Ave.) | 627.40 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 21 | 0.9 | 2.2 | 1.4 | 3.2 | 0.2 | 5.5 | -0.4 | NO |
| Garrett Road | 629.00 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 21 | 0.9 | 2.2 | 1.4 | 3.2 | 0.2 | 5.5 | -0.4 | NO |
| Spevak Road | 633.00 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 21 | 0.9 | 2.2 | 1.4 | 3.2 | 0.2 | 5.5 | -0.4 | NO |
| Melke Road | 638.10 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 21 | 0.9 | 2.2 | 1.4 | 3.2 | 0.2 | 5.5 | -0.4 | NO |
| Spruce Drive | 639.10 | 2 | 322 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 2.6 | 0.9 | 1.7 | 49.0 | 7400 | 21 | 0.9 | 2.2 | 1.4 | 10.4 | 0.7 | 5.5 | -0.4 | NO |
| Cottonwood Drive | 640.50 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 21 | 0.9 | 2.2 | 1.4 | 3.2 | 0.2 | 5.5 | -0.4 | NO |
| Cedar Street | 640.60 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 21 | 0.9 | 2.2 | 1.4 | 3.2 | 0.2 | 5.5 | -0.4 | NO |
| Cobler Road | 641.00 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 21 | 0.9 | 2.2 | 1.4 | 3.2 | 0.2 | 5.5 | -0.4 | NO |
| Elk Creek Road | 643.80 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 21 | 0.9 | 2.2 | 1.4 | 3.2 | 0.2 | 5.5 | -0.4 | NO |
| Eglin Street | 645.00 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 21 | 0.9 | 2.2 | 1.4 | 3.2 | 0.2 | 5.5 | -0.4 | NO |
| I-16t | 645.10 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 21 | 0.9 | 2.2 | 1.4 | 3.2 | 0.2 | 5.5 | -0.4 | NO |
| Century Road | 645.40 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 21 | 0.9 | 2.2 | 1.4 | 3.2 | 0.2 | 5.5 | -0.4 | NO |
| North Lacrosse Road | 646.30 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 21 | 0.9 | 2.2 | 1.4 | 3.2 | 0.2 | 5.5 | -0.4 | NO |
| Milwaukee Street | 646.60 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 21 | 0.9 | 2.2 | 1.4 | 3.2 | 0.2 | 5.5 | -0.4 | NO |
| Maple Avenue | 648.80 | 2 | 1492 | 30 | 6400 | 2 | 0.1 | 2.9 | 1.8 | 6.1 | 4.4 | 0.9 | 49.0 | 7400 | 21 | 0.9 | 2.2 | 1.4 | 48.2 | 3.3 | 5.5 | -0.4 | NO |
| East Blvd. North | 649.90 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 21 | 0.9 | 2.2 | 1.4 | 3.2 | 0.2 | 5.5 | -0.4 | NO |
| New York Street | 647.10 | 2 | 956 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 7.8 | 2.8 | 1.7 | 49.0 | 7400 | 21 | 0.9 | 2.2 | 1.4 | 30.9 | 2.1 | 5.5 | -0.4 | NO |
| Omaha Street | | 4 | 2600 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 21.1 | 3.8 | 1.7 | 49.0 | 7400 | 21 | 0.9 | 2.2 | 1.4 | 84.0 | 2.9 | 5.5 | -0.4 | NO |
| 2nd Street | 100.00 | 2 | 2272 | 20 | 6400 | 4 | 0.2 | 4.1 | 2.4 | 26.1 | 9.4 | 3.3 | 49.0 | 7400 | 21 | 0.9 | 2.2 | 1.4 | 73.4 | 5.0 | 5.5 | -1.0 | NO |
| 1st Street | 99.90 | 2 | 4880 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 39.6 | 14.3 | 1.7 | 49.0 | 7400 | 21 | 0.9 | 2.2 | 1.4 | 157.7 | 10.8 | 5.5 | -0.4 | NO |
| East Blvd. | 99.70 | 4 | 16500 | 20 | 6400 | 6 | 0.3 | 4.1 | 2.4 | 284.4 | 34.1 | 4.9 | 49.0 | 7400 | 21 | 0.9 | 2.2 | 1.4 | 533.3 | 18.3 | 5.5 | -1.0 | NO |
| Maple Avenue | 99.50 | 2 | 7891 | 30 | 6400 | 8 | 0.3 | 2.9 | 1.8 | 128.2 | 23.1 | 3.4 | 49.0 | 7400 | 21 | 0.9 | 2.2 | 1.4 | 255.0 | 17.5 | 5.5 | -0.4 | NO |
| Steele Ave. | 99.10 | 2 | 516 | 30 | 6400 | 8 | 0.3 | 2.9 | 1.8 | 8.4 | 1.5 | 3.4 | 49.0 | 7400 | 21 | 0.9 | 2.2 | 1.4 | 16.7 | 1.1 | 5.5 | -0.4 | NO |
| E. Saint Charles Street | 98.50 | 2 | 392 | 30 | 6400 | 8 | 0.3 | 2.9 | 1.8 | 6.4 | 1.1 | 3.4 | 49.0 | 7400 | 21 | 0.9 | 2.2 | 1.4 | 12.7 | 0.9 | 5.5 | -0.4 | NO |
| E. Saint Patrick Street | 98.30 | 5 | 12734 | 20 | 6400 | 4 | 0.2 | 4.1 | 2.4 | 146.3 | 21.1 | 3.3 | 49.0 | 7400 | 21 | 0.9 | 2.2 | 1.4 | 411.5 | 11.3 | 5.5 | -1.0 | NO |
| Campbell Street | 97.80 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 21 | 0.9 | 2.2 | 1.4 | 3.2 | 0.2 | 5.5 | -0.4 | NO |
| Warren Lamb Road | 93.40 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 21 | 0.9 | 2.2 | 1.4 | 3.2 | 0.2 | 5.5 | -0.4 | NO |
| Antelope Creek Road | 89.60 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 21 | 0.9 | 2.2 | 1.4 | 3.2 | 0.2 | 5.5 | -0.4 | NO |
| Lower Spring Creek Rd | 87.30 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 21 | 0.9 | 2.2 | 1.4 | 3.2 | 0.2 | 5.5 | -0.4 | NO |
| Daughenbaugh Road | 84.50 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 21 | 0.9 | 2.2 | 1.4 | 3.2 | 0.2 | 5.5 | -0.4 | NO |
| **Custer County** | | | | | | | | | | | | | | | | | | | | | | | |
| U.S. Highway 40 | | 2 | 2122 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 17.2 | 6.2 | 1.7 | 49.0 | 7400 | 21 | 0.9 | 2.2 | 1.4 | 68.6 | 4.7 | 5.5 | -0.4 | NO |
| Vilas Road | 78.90 | 1 | 40 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.3 | 0.2 | 1.7 | 49.0 | 7400 | 21 | 0.9 | 2.2 | 1.4 | 1.3 | 0.2 | 5.5 | -0.4 | NO |
| County Road 6 | 77.90 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 21 | 0.9 | 2.2 | 1.4 | 3.2 | 0.2 | 5.5 | -0.4 | NO |
| County Road 7 | 74.30 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 21 | 0.9 | 2.2 | 1.4 | 3.2 | 0.2 | 5.5 | -0.4 | NO |
| County Road 18 | 68.60 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 21 | 0.9 | 2.2 | 1.4 | 3.2 | 0.2 | 5.5 | -0.4 | NO |
| French Creek Road | 66.60 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 21 | 0.9 | 2.2 | 1.4 | 3.2 | 0.2 | 5.5 | -0.4 | NO |
| County Road 656 | 50.70 | 2 | 65 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.5 | 0.2 | 1.7 | 49.0 | 7400 | 21 | 0.9 | 2.2 | 1.4 | 2.1 | 0.1 | 5.5 | -0.4 | NO |
| Dewey Road | 48.30 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 21 | 0.9 | 2.2 | 1.4 | 3.2 | 0.2 | 5.5 | -0.4 | NO |
| **Fall River County** | | | | | | | | | | | | | | | | | | | | | | | |
| County Road 2 | 43.70 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 21 | 0.9 | 2.2 | 1.4 | 3.2 | 0.2 | 5.5 | -0.4 | NO |
| County Road 14 | 39.80 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 21 | 0.9 | 2.2 | 1.4 | 3.2 | 0.2 | 5.5 | -0.4 | NO |
| County Road 2 | 36.50 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 21 | 0.9 | 2.2 | 1.4 | 3.2 | 0.2 | 5.5 | -0.4 | NO |

Pre/Post-Construction Delays
South Dakota -50 MNT
Alternative D
Train Length = 7,400 Feet

| STREET | MILEPOST | Number of Roadway Lanes | ADT | Pre-Construction | | | | | | | | | Post-Construction | | | | | | | | | Difference Average Delay/ Veh. (min.) | Trip Threshold |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Train Speed (mph) | Train Length (feet) | Trains Per Day | Trains Per Hour | Total Blocked Time/ Train (min.) | Average Delay/ Veh. (min) | Number of Vehicles Delayed Per Day | Maximum Vehicle Queue | Average Delay for all Vehicles (sec/veh) | Train Speed (mph) | Train Length (feet) | Trains Per Day | Trains Per Hour | Total Blocked Time/ Train | Average Delay/ Veh. (min) | Number of Vehicles Delayed Per Day | Maximum Vehicle Queue | Average Delay for all Vehicles (sec/veh) | | |
| County Road 2 | 35.80 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 21 | 0.9 | 2.2 | 1.4 | 3.2 | 0.2 | 5.5 | -0.4 | NO |
| County Road 1 | 35.50 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 21 | 0.9 | 2.2 | 1.4 | 3.2 | 0.2 | 5.5 | -0.4 | NO |
| CO Road 19 | 500.80 | 2 | 100 | NEW CROSSING | | | | | | | | | 49.0 | 7400 | 21 | 0.9 | 2.2 | 1.4 | 3.2 | 0.2 | 5.5 | | |
| US HWY 18 | 502.80 | 2 | 100 | NEW CROSSING | | | | | | | | | 49.0 | 7400 | 21 | 0.9 | 2.2 | 1.4 | 3.2 | 0.2 | 5.5 | | |
| CO Road 79 | 504.80 | 2 | 100 | NEW CROSSING | | | | | | | | | 49.0 | 7400 | 21 | 0.9 | 2.2 | 1.4 | 3.2 | 0.2 | 5.5 | | |
| CO Road 6 | 510.40 | 2 | 100 | NEW CROSSING | | | | | | | | | 49.0 | 7400 | 21 | 0.9 | 2.2 | 1.4 | 3.2 | 0.2 | 5.5 | | |
| CO Road 6 | 514.30 | 2 | 100 | NEW CROSSING | | | | | | | | | 49.0 | 7400 | 21 | 0.9 | 2.2 | 1.4 | 3.2 | 0.2 | 5.5 | | |
| CO Road 6 | 515.90 | 2 | 100 | NEW CROSSING | | | | | | | | | 49.0 | 7400 | 21 | 0.9 | 2.2 | 1.4 | 3.2 | 0.2 | 5.5 | | |
| CO Road 6c | 516.40 | 2 | 100 | NEW CROSSING | | | | | | | | | 49.0 | 7400 | 21 | 0.9 | 2.2 | 1.4 | 3.2 | 0.2 | 5.5 | | |
| SD HWY 71 | 520.00 | 2 | 100 | NEW CROSSING | | | | | | | | | 49.0 | 7400 | 21 | 0.9 | 2.2 | 1.4 | 3.2 | 0.2 | 5.5 | | |
| CO Road 3292 | 526.00 | 2 | 100 | NEW CROSSING | | | | | | | | | 49.0 | 7400 | 21 | 0.9 | 2.2 | 1.4 | 3.2 | 0.2 | 5.5 | | |
| CO HWY 6E | | 2 | 100 | NEW CROSSING | | | | | | | | | 49.0 | 7400 | 21 | 0.9 | 2.2 | 1.4 | 3.2 | 0.2 | 5.5 | | |
| OLD US HWY 18 | | 2 | 100 | NEW CROSSING | | | | | | | | | 49.0 | 7400 | 21 | 0.9 | 2.2 | 1.4 | 3.2 | 0.2 | 5.5 | | |
| US HWY 18 | 532.00 | 2 | 100 | NEW CROSSING | | | | | | | | | 49.0 | 7400 | 21 | 0.9 | 2.2 | 1.4 | 3.2 | 0.2 | 5.5 | | |
| CO HWY 6463 | 534.10 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 25 | 1.0 | 2.2 | 1.4 | 3.8 | 0.2 | 6.5 | -0.4 | NO |
| CO HWY 6463 | 483.80 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 25 | 1.0 | 2.2 | 1.4 | 3.8 | 0.2 | 6.5 | -0.4 | NO |
| CO HWY 6463 | 484.70 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 25 | 1.0 | 2.2 | 1.4 | 3.8 | 0.2 | 6.5 | -0.4 | NO |
| CO HWY 6463 | 491.20 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 25 | 1.0 | 2.2 | 1.4 | 3.8 | 0.2 | 6.5 | -0.4 | NO |

Pre/Post-Construction Delays
South Dakota -100 MNT
Alternative D
Train Length = 6,400 Feet

| STREET | MILEPOST | Number of Roadway Lanes | ADT | Pre-Construction | | | | | | | | | Post-Construction | | | | | | | | | Difference Average Delay/ Veh. (min.) | Trip Threshold |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Train Speed (mph) | Train Length (feet) | Trains Per Day | Trains Per Hour | Total Blocked Time/ Train (min.) | Average Delay/ Veh. (min) | Number of Vehicles Delayed Per Day | Maximum Vehicle Queue | Average Delay for all Vehicles (sec/veh) | Train Speed (mph) | Train Length (feet) | Trains Per Day | Trains Per Hour | Total Blocked Time/ Train | Average Delay/ Veh. (min) | Number of Vehicles Delayed Per Day | Maximum Vehicle Queue | Average Delay for all Vehicles (sec/veh) | | |
| **Pennington County** | | | | | | | | | | | | | | | | | | | | | | | |
| Baseline Road | 591.00 | 2 | 1658 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 13.5 | 4.8 | 1.7 | 49.0 | 6400 | 37 | 1.5 | 2.0 | 1.3 | 84.5 | 3.3 | 7.9 | -0.5 | NO |
| Jensen Road | 600.60 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 37 | 1.5 | 2.0 | 1.3 | 5.1 | 0.2 | 7.9 | -0.5 | NO |
| Baseline Road | 606.90 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 37 | 1.5 | 2.0 | 1.3 | 5.1 | 0.2 | 7.9 | -0.5 | NO |
| 173rd Ave (Owanka Ro | 614.30 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 37 | 1.5 | 2.0 | 1.3 | 5.1 | 0.2 | 7.9 | -0.5 | NO |
| Sharpe Road | 621.50 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 37 | 1.5 | 2.0 | 1.3 | 5.1 | 0.2 | 7.9 | -0.5 | NO |
| Libertine Road | 623.50 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 37 | 1.5 | 2.0 | 1.3 | 5.1 | 0.2 | 7.9 | -0.5 | NO |
| Knuppe Road | 626.10 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 37 | 1.5 | 2.0 | 1.3 | 5.1 | 0.2 | 7.9 | -0.5 | NO |
| 161st Ave (A. Ave.) | 627.40 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 37 | 1.5 | 2.0 | 1.3 | 5.1 | 0.2 | 7.9 | -0.5 | NO |
| Garrett Road | 629.00 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 37 | 1.5 | 2.0 | 1.3 | 5.1 | 0.2 | 7.9 | -0.5 | NO |
| Spevak Road | 633.00 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 37 | 1.5 | 2.0 | 1.3 | 5.1 | 0.2 | 7.9 | -0.5 | NO |
| Melke Road | 638.10 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 37 | 1.5 | 2.0 | 1.3 | 5.1 | 0.2 | 7.9 | -0.5 | NO |
| Spruce Drive | 639.10 | 2 | 322 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 2.6 | 0.9 | 1.7 | 49.0 | 6400 | 37 | 1.5 | 2.0 | 1.3 | 16.4 | 0.6 | 7.9 | -0.5 | NO |
| Cottonwood Drive | 640.50 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 37 | 1.5 | 2.0 | 1.3 | 5.1 | 0.2 | 7.9 | -0.5 | NO |
| Cedar Street | 640.60 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 37 | 1.5 | 2.0 | 1.3 | 5.1 | 0.2 | 7.9 | -0.5 | NO |
| Cobler Road | 641.00 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 37 | 1.5 | 2.0 | 1.3 | 5.1 | 0.2 | 7.9 | -0.5 | NO |
| Elk Creek Road | 643.80 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 37 | 1.5 | 2.0 | 1.3 | 5.1 | 0.2 | 7.9 | -0.5 | NO |
| Eglin Street | 645.00 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 37 | 1.5 | 2.0 | 1.3 | 5.1 | 0.2 | 7.9 | -0.5 | NO |
| I-16t | 645.10 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 37 | 1.5 | 2.0 | 1.3 | 5.1 | 0.2 | 7.9 | -0.5 | NO |
| Century Road | 645.40 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 37 | 1.5 | 2.0 | 1.3 | 5.1 | 0.2 | 7.9 | -0.5 | NO |
| North Lacrosse Road | 646.30 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 37 | 1.5 | 2.0 | 1.3 | 5.1 | 0.2 | 7.9 | -0.5 | NO |
| Milwaukee Street | 646.60 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 37 | 1.5 | 2.0 | 1.3 | 5.1 | 0.2 | 7.9 | -0.5 | NO |
| Maple Avenue | 648.80 | 2 | 1492 | 30 | 6400 | 2 | 0.1 | 2.9 | 1.8 | 6.1 | 4.4 | 0.9 | 49.0 | 6400 | 37 | 1.5 | 2.0 | 1.3 | 76.1 | 3.0 | 7.9 | -0.5 | NO |
| East Blvd. North | 649.90 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 37 | 1.5 | 2.0 | 1.3 | 5.1 | 0.2 | 7.9 | -0.5 | NO |
| New York Street | 647.10 | 2 | 956 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 7.8 | 2.8 | 1.7 | 49.0 | 6400 | 37 | 1.5 | 2.0 | 1.3 | 48.7 | 1.9 | 7.9 | -0.5 | NO |
| Omaha Street | | 4 | 2600 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 21.1 | 3.8 | 1.7 | 49.0 | 6400 | 37 | 1.5 | 2.0 | 1.3 | 132.6 | 2.6 | 7.9 | -0.5 | NO |
| 2nd Street | 100.00 | 2 | 2272 | 20 | 6400 | 4 | 0.2 | 4.1 | 2.4 | 26.1 | 9.4 | 3.3 | 49.0 | 6400 | 37 | 1.5 | 2.0 | 1.3 | 115.8 | 4.5 | 7.9 | -1.1 | NO |
| 1st Street | 99.90 | 2 | 4880 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 39.6 | 14.3 | 1.7 | 49.0 | 6400 | 37 | 1.5 | 2.0 | 1.3 | 248.8 | 9.7 | 7.9 | -0.5 | NO |
| East Blvd. | 99.70 | 4 | 16500 | 20 | 6400 | 6 | 0.3 | 4.1 | 2.4 | 284.4 | 34.1 | 4.9 | 49.0 | 6400 | 37 | 1.5 | 2.0 | 1.3 | 841.2 | 16.4 | 7.9 | -1.1 | NO |
| Maple Avenue | 99.50 | 2 | 7891 | 30 | 6400 | 8 | 0.3 | 2.9 | 1.8 | 128.2 | 23.1 | 3.4 | 49.0 | 6400 | 37 | 1.5 | 2.0 | 1.3 | 402.3 | 15.7 | 7.9 | -0.5 | NO |
| Steele Ave. | 99.10 | 2 | 516 | 30 | 6400 | 8 | 0.3 | 2.9 | 1.8 | 8.4 | 1.5 | 3.4 | 49.0 | 6400 | 37 | 1.5 | 2.0 | 1.3 | 26.3 | 1.0 | 7.9 | -0.5 | NO |
| E. Saint Charles Street | 98.50 | 2 | 392 | 30 | 6400 | 8 | 0.3 | 2.9 | 1.8 | 6.4 | 1.1 | 3.4 | 49.0 | 6400 | 37 | 1.5 | 2.0 | 1.3 | 20.0 | 0.8 | 7.9 | -0.5 | NO |
| E. Saint Patrick Street | 98.30 | 5 | 12734 | 20 | 6400 | 4 | 0.2 | 4.1 | 2.4 | 146.3 | 21.1 | 3.3 | 49.0 | 6400 | 37 | 1.5 | 2.0 | 1.3 | 649.2 | 10.1 | 7.9 | -1.1 | NO |
| Campbell Street | 97.80 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 37 | 1.5 | 2.0 | 1.3 | 5.1 | 0.2 | 7.9 | -0.5 | NO |
| Warren Lamb Road | 93.40 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 37 | 1.5 | 2.0 | 1.3 | 5.1 | 0.2 | 7.9 | -0.5 | NO |
| Antelope Creek Road | 89.60 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 37 | 1.5 | 2.0 | 1.3 | 5.1 | 0.2 | 7.9 | -0.5 | NO |
| Lower Spring Creek Rd | 87.30 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 37 | 1.5 | 2.0 | 1.3 | 5.1 | 0.2 | 7.9 | -0.5 | NO |
| Daughenbaugh Road | 84.50 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 37 | 1.5 | 2.0 | 1.3 | 5.1 | 0.2 | 7.9 | -0.5 | NO |
| **Custer County** | | | | | | | | | | | | | | | | | | | | | | | |
| U.S. Highway 40 | | 2 | 2122 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 17.2 | 6.2 | 1.7 | 49.0 | 6400 | 37 | 1.5 | 2.0 | 1.3 | 108.2 | 4.2 | 7.9 | -0.5 | NO |
| Vilas Road | 78.90 | 1 | 40 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.3 | 0.2 | 1.7 | 49.0 | 6400 | 37 | 1.5 | 2.0 | 1.3 | 2.0 | 0.2 | 7.9 | -0.5 | NO |
| County Road 6 | 77.90 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 37 | 1.5 | 2.0 | 1.3 | 5.1 | 0.2 | 7.9 | -0.5 | NO |
| County Road 7 | 74.30 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 37 | 1.5 | 2.0 | 1.3 | 5.1 | 0.2 | 7.9 | -0.5 | NO |
| County Road 18 | 68.60 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 37 | 1.5 | 2.0 | 1.3 | 5.1 | 0.2 | 7.9 | -0.5 | NO |
| French Creek Road | 66.60 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 37 | 1.5 | 2.0 | 1.3 | 5.1 | 0.2 | 7.9 | -0.5 | NO |
| County Road 656 | 50.70 | 2 | 65 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.5 | 0.2 | 1.7 | 49.0 | 6400 | 37 | 1.5 | 2.0 | 1.3 | 3.3 | 0.1 | 7.9 | -0.5 | NO |
| Dewey Road | 48.30 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 37 | 1.5 | 2.0 | 1.3 | 5.1 | 0.2 | 7.9 | -0.5 | NO |
| **Fall River County** | | | | | | | | | | | | | | | | | | | | | | | |
| County Road 2 | 43.70 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 37 | 1.5 | 2.0 | 1.3 | 5.1 | 0.2 | 7.9 | -0.5 | NO |
| County Road 14 | 39.80 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 37 | 1.5 | 2.0 | 1.3 | 5.1 | 0.2 | 7.9 | -0.5 | NO |
| County Road 2 | 36.50 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 37 | 1.5 | 2.0 | 1.3 | 5.1 | 0.2 | 7.9 | -0.5 | NO |

Pre/Post-Construction Delays
South Dakota -100 MNT
Alternative D
Train Length = 6,400 Feet

| STREET | MILEPOST | Number of Roadway Lanes | ADT | Pre-Construction | | | | | | | | | Post-Construction | | | | | | | | | Difference Average Delay/ Veh. (min.) | Trip Threshold |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Train Speed (mph) | Train Length (feet) | Trains Per Day | Trains Per Hour | Total Blocked Time/ Train (min.) | Average Delay/ Veh. (min) | Number of Vehicles Delayed Per Day | Maximum Vehicle Queue | Average Delay for all Vehicles (sec/veh) | Train Speed (mph) | Train Length (feet) | Trains Per Day | Trains Per Hour | Total Blocked Time/ Train | Average Delay/ Veh. (min) | Number of Vehicles Delayed Per Day | Maximum Vehicle Queue | Average Delay for all Vehicles (sec/veh) | | |
| County Road 2 | 35.80 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 37 | 1.5 | 2.0 | 1.3 | 5.1 | 0.2 | 7.9 | -0.5 | NO |
| County Road 1 | 35.50 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 37 | 1.5 | 2.0 | 1.3 | 5.1 | 0.2 | 7.9 | -0.5 | NO |
| CO Road 19 | 500.80 | 2 | 100 | NEW CROSSING | | | | | | | | | 49.0 | 6400 | 37 | 1.5 | 2.0 | 1.3 | 5.1 | 0.2 | 7.9 | | |
| US HWY 18 | 502.80 | 2 | 100 | NEW CROSSING | | | | | | | | | 49.0 | 6400 | 37 | 1.5 | 2.0 | 1.3 | 5.1 | 0.2 | 7.9 | | |
| CO Road 79 | 504.80 | 2 | 100 | NEW CROSSING | | | | | | | | | 49.0 | 6400 | 37 | 1.5 | 2.0 | 1.3 | 5.1 | 0.2 | 7.9 | | |
| CO Road 6 | 510.40 | 2 | 100 | NEW CROSSING | | | | | | | | | 49.0 | 6400 | 37 | 1.5 | 2.0 | 1.3 | 5.1 | 0.2 | 7.9 | | |
| CO Road 6 | 514.30 | 2 | 100 | NEW CROSSING | | | | | | | | | 49.0 | 6400 | 37 | 1.5 | 2.0 | 1.3 | 5.1 | 0.2 | 7.9 | | |
| CO Road 6 | 515.90 | 2 | 100 | NEW CROSSING | | | | | | | | | 49.0 | 6400 | 37 | 1.5 | 2.0 | 1.3 | 5.1 | 0.2 | 7.9 | | |
| CO Road 6c | 516.40 | 2 | 100 | NEW CROSSING | | | | | | | | | 49.0 | 6400 | 37 | 1.5 | 2.0 | 1.3 | 5.1 | 0.2 | 7.9 | | |
| SD HWY 71 | 520.00 | 2 | 100 | NEW CROSSING | | | | | | | | | 49.0 | 6400 | 37 | 1.5 | 2.0 | 1.3 | 5.1 | 0.2 | 7.9 | | |
| CO Road 3292 | 526.00 | 2 | 100 | NEW CROSSING | | | | | | | | | 49.0 | 6400 | 37 | 1.5 | 2.0 | 1.3 | 5.1 | 0.2 | 7.9 | | |
| CO HWY 6E | | 2 | 100 | NEW CROSSING | | | | | | | | | 49.0 | 6400 | 37 | 1.5 | 2.0 | 1.3 | 5.1 | 0.2 | 7.9 | | |
| OLD US HWY 18 | | 2 | 100 | NEW CROSSING | | | | | | | | | 49.0 | 6400 | 37 | 1.5 | 2.0 | 1.3 | 5.1 | 0.2 | 7.9 | | |
| US HWY 18 | 532.00 | 2 | 100 | NEW CROSSING | | | | | | | | | 49.0 | 6400 | 37 | 1.5 | 2.0 | 1.3 | 5.1 | 0.2 | 7.9 | | |
| CO HWY 6463 | 534.10 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 41 | 1.7 | 2.0 | 1.3 | 5.6 | 0.2 | 8.8 | -0.5 | NO |
| CO HWY 6463 | 483.80 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 41 | 1.7 | 2.0 | 1.3 | 5.6 | 0.2 | 8.8 | -0.5 | NO |
| CO HWY 6463 | 484.70 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 41 | 1.7 | 2.0 | 1.3 | 5.6 | 0.2 | 8.8 | -0.5 | NO |
| CO HWY 6463 | 491.20 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 6400 | 41 | 1.7 | 2.0 | 1.3 | 5.6 | 0.2 | 8.8 | -0.5 | NO |

Pre/Post-Construction Delays
South Dakota -100 MNT
Alternative D
Train Length = 7,400 Feet

| STREET | MILEPOST | Number of Roadway Lanes | ADT | Pre-Construction | | | | | | | | | Post-Construction | | | | | | | | | Difference Average Delay/ Veh. (min.) | Trip Threshold |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Train Speed (mph) | Train Length (feet) | Trains Per Day | Trains Per Hour | Total Blocked Time/ Train (min.) | Average Delay/ Veh. (min) | Number of Vehicles Delayed Per Day | Maximum Vehicle Queue | Average Delay for all Vehicles (sec/veh) | Train Speed (mph) | Train Length (feet) | Trains Per Day | Trains Per Hour | Total Blocked Time/ Train | Average Delay/ Veh. (min) | Number of Vehicles Delayed Per Day | Maximum Vehicle Queue | Average Delay for all Vehicles (sec/veh) | | |
| **Pennington County** | | | | | | | | | | | | | | | | | | | | | | | |
| Baseline Road | 591.00 | 2 | 1658 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 13.5 | 4.8 | 1.7 | 49.0 | 7400 | 37 | 1.5 | 2.2 | 1.4 | 94.4 | 3.7 | 9.6 | -0.4 | NO |
| Jensen Road | 600.60 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 37 | 1.5 | 2.2 | 1.4 | 5.7 | 0.2 | 9.6 | -0.4 | NO |
| Baseline Road | 606.90 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 37 | 1.5 | 2.2 | 1.4 | 5.7 | 0.2 | 9.6 | -0.4 | NO |
| 173rd Ave (Owanka Ro | 614.30 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 37 | 1.5 | 2.2 | 1.4 | 5.7 | 0.2 | 9.6 | -0.4 | NO |
| Sharpe Road | 621.50 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 37 | 1.5 | 2.2 | 1.4 | 5.7 | 0.2 | 9.6 | -0.4 | NO |
| Libertine Road | 623.50 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 37 | 1.5 | 2.2 | 1.4 | 5.7 | 0.2 | 9.6 | -0.4 | NO |
| Knuppe Road | 626.10 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 37 | 1.5 | 2.2 | 1.4 | 5.7 | 0.2 | 9.6 | -0.4 | NO |
| 161st Ave (A. Ave.) | 627.40 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 37 | 1.5 | 2.2 | 1.4 | 5.7 | 0.2 | 9.6 | -0.4 | NO |
| Garrett Road | 629.00 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 37 | 1.5 | 2.2 | 1.4 | 5.7 | 0.2 | 9.6 | -0.4 | NO |
| Spevak Road | 633.00 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 37 | 1.5 | 2.2 | 1.4 | 5.7 | 0.2 | 9.6 | -0.4 | NO |
| Melke Road | 638.10 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 37 | 1.5 | 2.2 | 1.4 | 5.7 | 0.2 | 9.6 | -0.4 | NO |
| Spruce Drive | 639.10 | 2 | 322 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 2.6 | 0.9 | 1.7 | 49.0 | 7400 | 37 | 1.5 | 2.2 | 1.4 | 18.3 | 0.7 | 9.6 | -0.4 | NO |
| Cottonwood Drive | 640.50 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 37 | 1.5 | 2.2 | 1.4 | 5.7 | 0.2 | 9.6 | -0.4 | NO |
| Cedar Street | 640.60 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 37 | 1.5 | 2.2 | 1.4 | 5.7 | 0.2 | 9.6 | -0.4 | NO |
| Cobler Road | 641.00 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 37 | 1.5 | 2.2 | 1.4 | 5.7 | 0.2 | 9.6 | -0.4 | NO |
| Elk Creek Road | 643.80 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 37 | 1.5 | 2.2 | 1.4 | 5.7 | 0.2 | 9.6 | -0.4 | NO |
| Eglin Street | 645.00 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 37 | 1.5 | 2.2 | 1.4 | 5.7 | 0.2 | 9.6 | -0.4 | NO |
| I-16t | 645.10 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 37 | 1.5 | 2.2 | 1.4 | 5.7 | 0.2 | 9.6 | -0.4 | NO |
| Century Road | 645.40 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 37 | 1.5 | 2.2 | 1.4 | 5.7 | 0.2 | 9.6 | -0.4 | NO |
| North Lacrosse Road | 646.30 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 37 | 1.5 | 2.2 | 1.4 | 5.7 | 0.2 | 9.6 | -0.4 | NO |
| Milwaukee Street | 646.60 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 37 | 1.5 | 2.2 | 1.4 | 5.7 | 0.2 | 9.6 | -0.4 | NO |
| Maple Avenue | 648.80 | 2 | 1492 | 30 | 6400 | 2 | 0.1 | 2.9 | 1.8 | 6.1 | 4.4 | 0.9 | 49.0 | 7400 | 37 | 1.5 | 2.2 | 1.4 | 85.0 | 3.3 | 9.6 | -0.4 | NO |
| East Blvd. North | 649.90 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 37 | 1.5 | 2.2 | 1.4 | 5.7 | 0.2 | 9.6 | -0.4 | NO |
| New York Street | 647.10 | 2 | 956 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 7.8 | 2.8 | 1.7 | 49.0 | 7400 | 37 | 1.5 | 2.2 | 1.4 | 54.4 | 2.1 | 9.6 | -0.4 | NO |
| Omaha Street | | 4 | 2600 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 21.1 | 3.8 | 1.7 | 49.0 | 7400 | 37 | 1.5 | 2.2 | 1.4 | 148.1 | 2.9 | 9.6 | -0.4 | NO |
| 2nd Street | 100.00 | 2 | 2272 | 20 | 6400 | 4 | 0.2 | 4.1 | 2.4 | 26.1 | 9.4 | 3.3 | 49.0 | 7400 | 37 | 1.5 | 2.2 | 1.4 | 129.4 | 5.0 | 9.6 | -1.0 | NO |
| 1st Street | 99.90 | 2 | 4880 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 39.6 | 14.3 | 1.7 | 49.0 | 7400 | 37 | 1.5 | 2.2 | 1.4 | 277.9 | 10.8 | 9.6 | -0.4 | NO |
| East Blvd. | 99.70 | 4 | 16500 | 20 | 6400 | 6 | 0.3 | 4.1 | 2.4 | 284.4 | 34.1 | 4.9 | 49.0 | 7400 | 37 | 1.5 | 2.2 | 1.4 | 939.6 | 18.3 | 9.6 | -1.0 | NO |
| Maple Avenue | 99.50 | 2 | 7891 | 30 | 6400 | 8 | 0.3 | 2.9 | 1.8 | 128.2 | 23.1 | 3.4 | 49.0 | 7400 | 37 | 1.5 | 2.2 | 1.4 | 449.3 | 17.5 | 9.6 | -0.4 | NO |
| Steele Ave. | 99.10 | 2 | 516 | 30 | 6400 | 8 | 0.3 | 2.9 | 1.8 | 8.4 | 1.5 | 3.4 | 49.0 | 7400 | 37 | 1.5 | 2.2 | 1.4 | 29.4 | 1.1 | 9.6 | -0.4 | NO |
| E. Saint Charles Street | 98.50 | 2 | 392 | 30 | 6400 | 8 | 0.3 | 2.9 | 1.8 | 6.4 | 1.1 | 3.4 | 49.0 | 7400 | 37 | 1.5 | 2.2 | 1.4 | 22.3 | 0.9 | 9.6 | -0.4 | NO |
| E. Saint Patrick Street | 98.30 | 5 | 12734 | 20 | 6400 | 4 | 0.2 | 4.1 | 2.4 | 146.3 | 21.1 | 3.3 | 49.0 | 7400 | 37 | 1.5 | 2.2 | 1.4 | 725.1 | 11.3 | 9.6 | -1.0 | NO |
| Campbell Street | 97.80 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 37 | 1.5 | 2.2 | 1.4 | 5.7 | 0.2 | 9.6 | -0.4 | NO |
| Warren Lamb Road | 93.40 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 37 | 1.5 | 2.2 | 1.4 | 5.7 | 0.2 | 9.6 | -0.4 | NO |
| Antelope Creek Road | 89.60 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 37 | 1.5 | 2.2 | 1.4 | 5.7 | 0.2 | 9.6 | -0.4 | NO |
| Lower Spring Creek Rd | 87.30 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 37 | 1.5 | 2.2 | 1.4 | 5.7 | 0.2 | 9.6 | -0.4 | NO |
| Daughenbaugh Road | 84.50 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 37 | 1.5 | 2.2 | 1.4 | 5.7 | 0.2 | 9.6 | -0.4 | NO |
| **Custer County** | | | | | | | | | | | | | | | | | | | | | | | |
| U.S. Highway 40 | | 2 | 2122 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 17.2 | 6.2 | 1.7 | 49.0 | 7400 | 37 | 1.5 | 2.2 | 1.4 | 120.8 | 4.7 | 9.6 | -0.4 | NO |
| Vilas Road | 78.90 | 1 | 40 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.3 | 0.2 | 1.7 | 49.0 | 7400 | 37 | 1.5 | 2.2 | 1.4 | 2.3 | 0.2 | 9.6 | -0.4 | NO |
| County Road 6 | 77.90 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 37 | 1.5 | 2.2 | 1.4 | 5.7 | 0.2 | 9.6 | -0.4 | NO |
| County Road 7 | 74.30 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 37 | 1.5 | 2.2 | 1.4 | 5.7 | 0.2 | 9.6 | -0.4 | NO |
| County Road 18 | 68.60 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 37 | 1.5 | 2.2 | 1.4 | 5.7 | 0.2 | 9.6 | -0.4 | NO |
| French Creek Road | 66.60 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 37 | 1.5 | 2.2 | 1.4 | 5.7 | 0.2 | 9.6 | -0.4 | NO |
| County Road 656 | 50.70 | 2 | 65 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.5 | 0.2 | 1.7 | 49.0 | 7400 | 37 | 1.5 | 2.2 | 1.4 | 3.7 | 0.1 | 9.6 | -0.4 | NO |
| Dewey Road | 48.30 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 37 | 1.5 | 2.2 | 1.4 | 5.7 | 0.2 | 9.6 | -0.4 | NO |
| **Fall River County** | | | | | | | | | | | | | | | | | | | | | | | |
| County Road 2 | 43.70 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 37 | 1.5 | 2.2 | 1.4 | 5.7 | 0.2 | 9.6 | -0.4 | NO |
| County Road 14 | 39.80 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 37 | 1.5 | 2.2 | 1.4 | 5.7 | 0.2 | 9.6 | -0.4 | NO |
| County Road 2 | 36.50 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 37 | 1.5 | 2.2 | 1.4 | 5.7 | 0.2 | 9.6 | -0.4 | NO |

Pre/Post-Construction Delays
South Dakota -100 MNT
Alternative D
Train Length = 7,400 Feet

| STREET | MILEPOST | Number of Roadway Lanes | ADT | Pre-Construction | | | | | | | | | Post-Construction | | | | | | | | | Difference Average Delay/ Veh. (min.) | Trip Threshold |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Train Speed (mph) | Train Length (feet) | Trains Per Day | Trains Per Hour | Total Blocked Time/ Train (min.) | Average Delay/ Veh. (min) | Number of Vehicles Delayed Per Day | Maximum Vehicle Queue | Average Delay for all Vehicles (sec/veh) | Train Speed (mph) | Train Length (feet) | Trains Per Day | Trains Per Hour | Total Blocked Time/ Train | Average Delay/ Veh. (min) | Number of Vehicles Delayed Per Day | Maximum Vehicle Queue | Average Delay for all Vehicles (sec/veh) | | |
| County Road 2 | 35.80 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 37 | 1.5 | 2.2 | 1.4 | 5.7 | 0.2 | 9.6 | -0.4 | NO |
| County Road 1 | 35.50 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 37 | 1.5 | 2.2 | 1.4 | 5.7 | 0.2 | 9.6 | -0.4 | NO |
| CO Road 19 | 500.80 | 2 | 100 | NEW CROSSING | | | | | | | | | 49.0 | 7400 | 37 | 1.5 | 2.2 | 1.4 | 5.7 | 0.2 | 9.6 | | |
| US HWY 18 | 502.80 | 2 | 100 | NEW CROSSING | | | | | | | | | 49.0 | 7400 | 37 | 1.5 | 2.2 | 1.4 | 5.7 | 0.2 | 9.6 | | |
| CO Road 79 | 504.80 | 2 | 100 | NEW CROSSING | | | | | | | | | 49.0 | 7400 | 37 | 1.5 | 2.2 | 1.4 | 5.7 | 0.2 | 9.6 | | |
| CO Road 6 | 510.40 | 2 | 100 | NEW CROSSING | | | | | | | | | 49.0 | 7400 | 37 | 1.5 | 2.2 | 1.4 | 5.7 | 0.2 | 9.6 | | |
| CO Road 6 | 514.30 | 2 | 100 | NEW CROSSING | | | | | | | | | 49.0 | 7400 | 37 | 1.5 | 2.2 | 1.4 | 5.7 | 0.2 | 9.6 | | |
| CO Road 6 | 515.90 | 2 | 100 | NEW CROSSING | | | | | | | | | 49.0 | 7400 | 37 | 1.5 | 2.2 | 1.4 | 5.7 | 0.2 | 9.6 | | |
| CO Road 6c | 516.40 | 2 | 100 | NEW CROSSING | | | | | | | | | 49.0 | 7400 | 37 | 1.5 | 2.2 | 1.4 | 5.7 | 0.2 | 9.6 | | |
| SD HWY 71 | 520.00 | 2 | 100 | NEW CROSSING | | | | | | | | | 49.0 | 7400 | 37 | 1.5 | 2.2 | 1.4 | 5.7 | 0.2 | 9.6 | | |
| CO Road 3292 | 526.00 | 2 | 100 | NEW CROSSING | | | | | | | | | 49.0 | 7400 | 37 | 1.5 | 2.2 | 1.4 | 5.7 | 0.2 | 9.6 | | |
| CO HWY 6E | | 2 | 100 | NEW CROSSING | | | | | | | | | 49.0 | 7400 | 37 | 1.5 | 2.2 | 1.4 | 5.7 | 0.2 | 9.6 | | |
| OLD US HWY 18 | | 2 | 100 | NEW CROSSING | | | | | | | | | 49.0 | 7400 | 37 | 1.5 | 2.2 | 1.4 | 5.7 | 0.2 | 9.6 | | |
| US HWY 18 | 532.00 | 2 | 100 | NEW CROSSING | | | | | | | | | 49.0 | 7400 | 37 | 1.5 | 2.2 | 1.4 | 5.7 | 0.2 | 9.6 | | |
| CO HWY 6463 | 534.10 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 41 | 1.7 | 2.2 | 1.4 | 6.3 | 0.2 | 10.7 | -0.4 | NO |
| CO HWY 6463 | 483.80 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 41 | 1.7 | 2.2 | 1.4 | 6.3 | 0.2 | 10.7 | -0.4 | NO |
| CO HWY 6463 | 484.70 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 41 | 1.7 | 2.2 | 1.4 | 6.3 | 0.2 | 10.7 | -0.4 | NO |
| CO HWY 6463 | 491.20 | 2 | 100 | 30 | 6400 | 4 | 0.2 | 2.9 | 1.8 | 0.8 | 0.3 | 1.7 | 49.0 | 7400 | 41 | 1.7 | 2.2 | 1.4 | 6.3 | 0.2 | 10.7 | -0.4 | NO |

Post-Construction Delay Summary
Wyoming -20 MNT
Alternative B
Train Length = 6,400 Feet

| MILEPOST | Number of Roadway Lanes | ADT | Post-Construction | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Train Speed (mph) | Train Length (feet) | Trains Per | | Total Blocked Time/ Train | Average Delay/ Veh. (min) | Number of Vehicles Delayed Per Day | Maximum Vehicle Queue | Average Delay for all Vehicles (sec/veh) |
| | | | | | Day | Hour | | | | | |
| **Wyoming MP 737.70 to 828.70** | | | | | | | | | | | |
| **Niobrara County** | | | | | | | | | | | |
| 73770 | 2 | 25 | 45.0 | 6400 | 11 | 0.5 | 2.1 | 1.4 | 0.4 | 0.1 | 2.6 |
| 74070 | 2 | 25 | 45.0 | 6400 | 11 | 0.5 | 2.1 | 1.4 | 0.4 | 0.1 | 2.6 |
| 74120 | 2 | 800 | 45.0 | 6400 | 11 | 0.5 | 2.1 | 1.4 | 12.9 | 1.7 | 2.6 |
| **Weston County** | | | | | | | | | | | |
| 74990 | 1 | 25 | 45.0 | 6400 | 11 | 0.5 | 2.1 | 1.4 | 0.4 | 0.1 | 2.6 |
| 75180 | 2 | 50 | 45.0 | 6400 | 11 | 0.5 | 2.1 | 1.4 | 0.8 | 0.1 | 2.6 |
| 76130 | 2 | 50 | 45.0 | 6400 | 11 | 0.5 | 2.1 | 1.4 | 0.8 | 0.1 | 2.6 |
| 76180 | 2 | 25 | 45.0 | 6400 | 11 | 0.5 | 2.1 | 1.4 | 0.4 | 0.1 | 2.6 |
| 77030 | 2 | 25 | 45.0 | 6400 | 11 | 0.5 | 2.1 | 1.4 | 0.4 | 0.1 | 2.6 |
| **Campbell County** | | | | | | | | | | | |
| 78100 | 2 | 430 | 45.0 | 6400 | 11 | 0.5 | 2.1 | 1.4 | 7.0 | 0.9 | 2.6 |
| 79230 | 2 | 10 | 45.0 | 6400 | 11 | 0.5 | 2.1 | 1.4 | 0.2 | 0.0 | 2.6 |
| 82230 | 2 | 25 | 45.0 | 6400 | 11 | 0.5 | 2.1 | 1.4 | 0.4 | 0.1 | 2.6 |
| 82870 | 2 | 700 | 45.0 | 6400 | 11 | 0.5 | 2.1 | 1.4 | 11.3 | 1.5 | 2.6 |
| 830 | 2 | 10 | 45.0 | 6400 | 11 | 0.5 | 2.1 | 1.4 | 0.2 | 0.0 | 2.6 |
| 1210 | 1 | 10 | 45.0 | 6400 | 11 | 0.5 | 2.1 | 1.4 | 0.2 | 0.0 | 2.6 |

Post-Construction Delay Summary
Wyoming - 20 MNT
Alternative B
Train Length = 7,400 Feet

| MILEPOST | Number of Roadway Lanes | ADT | Post-Construction | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Train Speed (mph) | Train Length (feet) | Trains Per Day | Trains Per Hour | Total Blocked Time/ Train | Average Delay/ Veh. (min) | Number of Vehicles Delayed Per Day | Maximum Vehicle Queue | Average Delay for all Vehicles (sec/veh) |
| **Wyoming MP 737.70 to 828.70** | | | | | | | | | | | |
| **Niobrara County** | | | | | | | | | | | |
| 73770 | 2 | 25 | 45.0 | 7400 | 11 | 0.5 | 2.4 | 1.5 | 0.5 | 0.1 | 3.2 |
| 74070 | 2 | 25 | 45.0 | 7400 | 11 | 0.5 | 2.4 | 1.5 | 0.5 | 0.1 | 3.2 |
| 74120 | 2 | 800 | 45.0 | 7400 | 11 | 0.5 | 2.4 | 1.5 | 14.5 | 1.9 | 3.2 |
| **Weston County** | | | | | | | | | | | |
| 74990 | 1 | 25 | 45.0 | 7400 | 11 | 0.5 | 2.4 | 1.5 | 0.5 | 0.1 | 3.2 |
| 75180 | 2 | 50 | 45.0 | 7400 | 11 | 0.5 | 2.4 | 1.5 | 0.9 | 0.1 | 3.2 |
| 76130 | 2 | 50 | 45.0 | 7400 | 11 | 0.5 | 2.4 | 1.5 | 0.9 | 0.1 | 3.2 |
| 76180 | 2 | 25 | 45.0 | 7400 | 11 | 0.5 | 2.4 | 1.5 | 0.5 | 0.1 | 3.2 |
| 77030 | 2 | 25 | 45.0 | 7400 | 11 | 0.5 | 2.4 | 1.5 | 0.5 | 0.1 | 3.2 |
| **Campbell County** | | | | | | | | | | | |
| 78100 | 2 | 430 | 45.0 | 7400 | 11 | 0.5 | 2.4 | 1.5 | 7.8 | 1.0 | 3.2 |
| 79230 | 2 | 10 | 45.0 | 7400 | 11 | 0.5 | 2.4 | 1.5 | 0.2 | 0.0 | 3.2 |
| 82230 | 2 | 25 | 45.0 | 7400 | 11 | 0.5 | 2.4 | 1.5 | 0.5 | 0.1 | 3.2 |
| 82870 | 2 | 700 | 45.0 | 7400 | 11 | 0.5 | 2.4 | 1.5 | 12.7 | 1.7 | 3.2 |
| 830 | 2 | 10 | 45.0 | 7400 | 11 | 0.5 | 2.4 | 1.5 | 0.2 | 0.0 | 3.2 |
| 1210 | 1 | 10 | 45.0 | 7400 | 11 | 0.5 | 2.4 | 1.5 | 0.2 | 0.0 | 3.2 |

Post-Construction Delay Summary
Wyoming -50 MNT
Alternative B
Train Length = 6,400 Feet

| MILEPOST | Number of Roadway Lanes | ADT | Post-Construction | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Train Speed (mph) | Train Length (feet) | Trains Per | | Total Blocked Time/ Train | Average Delay/ Veh. (min) | Number of Vehicles Delayed Per Day | Maximum Vehicle Queue | Average Delay for all Vehicles (sec/veh) |
| | | | | | Day | Hour | | | | | |
| **Wyoming MP 737.70 to 828.70** | | | | | | | | | | | |
| **Niobrara County** | | | | | | | | | | | |
| 73770 | 2 | 25 | 45.0 | 6400 | 21 | 0.9 | 2.1 | 1.4 | 0.8 | 0.1 | 5.0 |
| 74070 | 2 | 25 | 45.0 | 6400 | 21 | 0.9 | 2.1 | 1.4 | 0.8 | 0.1 | 5.0 |
| 74120 | 2 | 800 | 45.0 | 6400 | 21 | 0.9 | 2.1 | 1.4 | 24.7 | 1.7 | 5.0 |
| **Weston County** | | | | | | | | | | | |
| 74990 | 1 | 25 | 45.0 | 6400 | 21 | 0.9 | 2.1 | 1.4 | 0.8 | 0.1 | 5.0 |
| 75180 | 2 | 50 | 45.0 | 6400 | 21 | 0.9 | 2.1 | 1.4 | 1.5 | 0.1 | 5.0 |
| 76130 | 2 | 50 | 45.0 | 6400 | 21 | 0.9 | 2.1 | 1.4 | 1.5 | 0.1 | 5.0 |
| 76180 | 2 | 25 | 45.0 | 6400 | 21 | 0.9 | 2.1 | 1.4 | 0.8 | 0.1 | 5.0 |
| 77030 | 2 | 25 | 45.0 | 6400 | 21 | 0.9 | 2.1 | 1.4 | 0.8 | 0.1 | 5.0 |
| **Campbell County** | | | | | | | | | | | |
| 78100 | 2 | 430 | 45.0 | 6400 | 21 | 0.9 | 2.1 | 1.4 | 13.3 | 0.9 | 5.0 |
| 79230 | 2 | 10 | 45.0 | 6400 | 21 | 0.9 | 2.1 | 1.4 | 0.3 | 0.0 | 5.0 |
| 82230 | 2 | 25 | 45.0 | 6400 | 21 | 0.9 | 2.1 | 1.4 | 0.8 | 0.1 | 5.0 |
| 82870 | 2 | 700 | 45.0 | 6400 | 21 | 0.9 | 2.1 | 1.4 | 21.6 | 1.5 | 5.0 |
| 830 | 2 | 10 | 45.0 | 6400 | 21 | 0.9 | 2.1 | 1.4 | 0.3 | 0.0 | 5.0 |
| 1210 | 1 | 10 | 45.0 | 6400 | 21 | 0.9 | 2.1 | 1.4 | 0.3 | 0.0 | 5.0 |

Post-Construction Delay Summary
Wyoming - 50 MNT
Alternative B
Train Length = 7,400 Feet

| MILEPOST | Number of Roadway Lanes | ADT | Post-Construction | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Train Speed (mph) | Train Length (feet) | Trains Per Day | Trains Per Hour | Total Blocked Time/ Train | Average Delay/ Veh. (min) | Number of Vehicles Delayed Per Day | Maximum Vehicle Queue | Average Delay for all Vehicles (sec/veh) |
| **Wyoming MP 737.70 to 828.70** | | | | | | | | | | | |
| **Niobrara County** | | | | | | | | | | | |
| 73770 | 2 | 25 | 45.0 | 7400 | 21 | 0.9 | 2.4 | 1.5 | 0.9 | 0.1 | 6.2 |
| 74070 | 2 | 25 | 45.0 | 7400 | 21 | 0.9 | 2.4 | 1.5 | 0.9 | 0.1 | 6.2 |
| 74120 | 2 | 800 | 45.0 | 7400 | 21 | 0.9 | 2.4 | 1.5 | 27.6 | 1.9 | 6.2 |
| **Weston County** | | | | | | | | | | | |
| 74990 | 1 | 25 | 45.0 | 7400 | 21 | 0.9 | 2.4 | 1.5 | 0.9 | 0.1 | 6.2 |
| 75180 | 2 | 50 | 45.0 | 7400 | 21 | 0.9 | 2.4 | 1.5 | 1.7 | 0.1 | 6.2 |
| 76130 | 2 | 50 | 45.0 | 7400 | 21 | 0.9 | 2.4 | 1.5 | 1.7 | 0.1 | 6.2 |
| 76180 | 2 | 25 | 45.0 | 7400 | 21 | 0.9 | 2.4 | 1.5 | 0.9 | 0.1 | 6.2 |
| 77030 | 2 | 25 | 45.0 | 7400 | 21 | 0.9 | 2.4 | 1.5 | 0.9 | 0.1 | 6.2 |
| **Campbell County** | | | | | | | | | | | |
| 78100 | 2 | 430 | 45.0 | 7400 | 21 | 0.9 | 2.4 | 1.5 | 14.9 | 1.0 | 6.2 |
| 79230 | 2 | 10 | 45.0 | 7400 | 21 | 0.9 | 2.4 | 1.5 | 0.3 | 0.0 | 6.2 |
| 82230 | 2 | 25 | 45.0 | 7400 | 21 | 0.9 | 2.4 | 1.5 | 0.9 | 0.1 | 6.2 |
| 82870 | 2 | 700 | 45.0 | 7400 | 21 | 0.9 | 2.4 | 1.5 | 24.2 | 1.7 | 6.2 |
| 830 | 2 | 10 | 45.0 | 7400 | 21 | 0.9 | 2.4 | 1.5 | 0.3 | 0.0 | 6.2 |
| 1210 | 1 | 10 | 45.0 | 7400 | 21 | 0.9 | 2.4 | 1.5 | 0.3 | 0.0 | 6.2 |

Post-Construction Delay Summary
Wyoming -100 MNT
Alternative B
Train Length = 6,400 Feet

| MILEPOST | Number of Roadway Lanes | ADT | Post-Construction | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Train Speed (mph) | Train Length (feet) | Trains Per | | Total Blocked Time/ Train | Average Delay/ Veh. (min) | Number of Vehicles Delayed Per Day | Maximum Vehicle Queue | Average Delay for all Vehicles (sec/veh) |
| | | | | | Day | Hour | | | | | |
| **Wyoming MP 737.70 to 828.70** | | | | | | | | | | | |
| **Niobrara County** | | | | | | | | | | | |
| 73770 | 2 | 25 | 45.0 | 6400 | 37 | 1.5 | 2.1 | 1.4 | 1.4 | 0.1 | 8.9 |
| 74070 | 2 | 25 | 45.0 | 6400 | 37 | 1.5 | 2.1 | 1.4 | 1.4 | 0.1 | 8.9 |
| 74120 | 2 | 800 | 45.0 | 6400 | 37 | 1.5 | 2.1 | 1.4 | 43.5 | 1.7 | 8.9 |
| **Weston County** | | | | | | | | | | | |
| 74990 | 1 | 25 | 45.0 | 6400 | 37 | 1.5 | 2.1 | 1.4 | 1.4 | 0.1 | 8.9 |
| 75180 | 2 | 50 | 45.0 | 6400 | 37 | 1.5 | 2.1 | 1.4 | 2.7 | 0.1 | 8.9 |
| 76130 | 2 | 50 | 45.0 | 6400 | 37 | 1.5 | 2.1 | 1.4 | 2.7 | 0.1 | 8.9 |
| 76180 | 2 | 25 | 45.0 | 6400 | 37 | 1.5 | 2.1 | 1.4 | 1.4 | 0.1 | 8.9 |
| 77030 | 2 | 25 | 45.0 | 6400 | 37 | 1.5 | 2.1 | 1.4 | 1.4 | 0.1 | 8.9 |
| **Campbell County** | | | | | | | | | | | |
| 78100 | 2 | 430 | 45.0 | 6400 | 37 | 1.5 | 2.1 | 1.4 | 23.4 | 0.9 | 8.9 |
| 79230 | 2 | 10 | 45.0 | 6400 | 37 | 1.5 | 2.1 | 1.4 | 0.5 | 0.0 | 8.9 |
| 82230 | 2 | 25 | 45.0 | 6400 | 37 | 1.5 | 2.1 | 1.4 | 1.4 | 0.1 | 8.9 |
| 82870 | 2 | 700 | 45.0 | 6400 | 37 | 1.5 | 2.1 | 1.4 | 38.1 | 1.5 | 8.9 |
| 830 | 2 | 10 | 45.0 | 6400 | 37 | 1.5 | 2.1 | 1.4 | 0.5 | 0.0 | 8.9 |
| 1210 | 1 | 10 | 45.0 | 6400 | 37 | 1.5 | 2.1 | 1.4 | 0.5 | 0.0 | 8.9 |

Post-Construction Delay Summary
Wyoming -100 MNT
Alternative B
Train Length = 7,400 Feet

| MILEPOST | Number of Roadway Lanes | ADT | Post-Construction | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Train Speed (mph) | Train Length (feet) | Trains Per | | Total Blocked Time/ Train | Average Delay/ Veh. (min) | Number of Vehicles Delayed Per Day | Maximum Vehicle Queue | Average Delay for all Vehicles (sec/veh) |
| | | | | | Day | Hour | | | | | |
| **Wyoming MP 737.70 to 828.70** | | | | | | | | | | | |
| **Niobrara County** | | | | | | | | | | | |
| 73770 | 2 | 25 | 45.0 | 7400 | 37 | 1.5 | 2.4 | 1.5 | 1.5 | 0.1 | 10.8 |
| 74070 | 2 | 25 | 45.0 | 7400 | 37 | 1.5 | 2.4 | 1.5 | 1.5 | 0.1 | 10.8 |
| 74120 | 2 | 800 | 45.0 | 7400 | 37 | 1.5 | 2.4 | 1.5 | 48.7 | 1.9 | 10.8 |
| **Weston County** | | | | | | | | | | | |
| 74990 | 1 | 25 | 45.0 | 7400 | 37 | 1.5 | 2.4 | 1.5 | 1.5 | 0.1 | 10.8 |
| 75180 | 2 | 50 | 45.0 | 7400 | 37 | 1.5 | 2.4 | 1.5 | 3.0 | 0.1 | 10.8 |
| 76130 | 2 | 50 | 45.0 | 7400 | 37 | 1.5 | 2.4 | 1.5 | 3.0 | 0.1 | 10.8 |
| 76180 | 2 | 25 | 45.0 | 7400 | 37 | 1.5 | 2.4 | 1.5 | 1.5 | 0.1 | 10.8 |
| 77030 | 2 | 25 | 45.0 | 7400 | 37 | 1.5 | 2.4 | 1.5 | 1.5 | 0.1 | 10.8 |
| **Campbell County** | | | | | | | | | | | |
| 78100 | 2 | 430 | 45.0 | 7400 | 37 | 1.5 | 2.4 | 1.5 | 26.2 | 1.0 | 10.8 |
| 79230 | 2 | 10 | 45.0 | 7400 | 37 | 1.5 | 2.4 | 1.5 | 0.6 | 0.0 | 10.8 |
| 82230 | 2 | 25 | 45.0 | 7400 | 37 | 1.5 | 2.4 | 1.5 | 1.5 | 0.1 | 10.8 |
| 82870 | 2 | 700 | 45.0 | 7400 | 37 | 1.5 | 2.4 | 1.5 | 42.6 | 1.7 | 10.8 |
| 830 | 2 | 10 | 45.0 | 7400 | 37 | 1.5 | 2.4 | 1.5 | 0.6 | 0.0 | 10.8 |
| 1210 | 1 | 10 | 45.0 | 7400 | 37 | 1.5 | 2.4 | 1.5 | 0.6 | 0.0 | 10.8 |

Post-Construction Delay Summary
Wyoming -20 MNT
Alternative C
Train Length = 6,400 Feet

| MILEPOST | Number of Roadway Lanes | ADT | Post-Construction | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Train Speed (mph) | Train Length (feet) | Trains Per | | Total Blocked Time/ Train | Average Delay/ Veh. (min) | Number of Vehicles Delayed Per Day | Maximum Vehicle Queue | Average Delay for all Vehicles (sec/veh) |
| | | | | | Day | Hour | | | | | |
| **Wyoming MP 737.70 to 828.70** | | | | | | | | | | | |
| **Niobrara County** | | | | | | | | | | | |
| 73770 | 2 | 25 | 45.0 | 6400 | 11 | 0.5 | 2.1 | 1.4 | 0.4 | 0.1 | 2.6 |
| 74070 | 2 | 25 | 45.0 | 6400 | 11 | 0.5 | 2.1 | 1.4 | 0.4 | 0.1 | 2.6 |
| 74120 | 2 | 800 | 45.0 | 6400 | 11 | 0.5 | 2.1 | 1.4 | 12.9 | 1.7 | 2.6 |
| **Weston County** | | | | | | | | | | | |
| 74990 | 1 | 25 | 45.0 | 6400 | 11 | 0.5 | 2.1 | 1.4 | 0.4 | 0.1 | 2.6 |
| 75180 | 2 | 50 | 45.0 | 6400 | 11 | 0.5 | 2.1 | 1.4 | 0.8 | 0.1 | 2.6 |
| 76130 | 2 | 50 | 45.0 | 6400 | 11 | 0.5 | 2.1 | 1.4 | 0.8 | 0.1 | 2.6 |
| 76180 | 2 | 25 | 45.0 | 6400 | 11 | 0.5 | 2.1 | 1.4 | 0.4 | 0.1 | 2.6 |
| 77030 | 2 | 25 | 45.0 | 6400 | 11 | 0.5 | 2.1 | 1.4 | 0.4 | 0.1 | 2.6 |
| 78210 | 2 | 25 | 45.0 | 6400 | 11 | 0.5 | 2.1 | 1.4 | 0.4 | 0.1 | 2.6 |
| 78360 | 2 | 25 | 45.0 | 6400 | 11 | 0.5 | 2.1 | 1.4 | 0.4 | 0.1 | 2.6 |
| **Campbell County** | | | | | | | | | | | |
| 79440 | 2 | 1010 | 45.0 | 6400 | 11 | 0.5 | 2.1 | 1.4 | 16.3 | 2.1 | 2.6 |
| 80460 | 2 | 10 | 45.0 | 6400 | 11 | 0.5 | 2.1 | 1.4 | 0.2 | 0.0 | 2.6 |
| 82230 | 2 | 25 | 45.0 | 6400 | 11 | 0.5 | 2.1 | 1.4 | 0.4 | 0.1 | 2.6 |
| 82870 | 2 | 700 | 45.0 | 6400 | 11 | 0.5 | 2.1 | 1.4 | 11.3 | 1.5 | 2.6 |
| 830 | 2 | 10 | 45.0 | 6400 | 11 | 0.5 | 2.1 | 1.4 | 0.2 | 0.0 | 2.6 |
| 1210 | 1 | 10 | 45.0 | 6400 | 11 | 0.5 | 2.1 | 1.4 | 0.2 | 0.0 | 2.6 |

Post-Construction Delay Summary
Wyoming - 20 MNT
Alternative C
Train Length = 7,400 Feet

| MILEPOST | Number of Roadway Lanes | ADT | Post-Construction | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Train Speed (mph) | Train Length (feet) | Trains Per | | Total Blocked Time/ Train | Average Delay/ Veh. (min) | Number of Vehicles Delayed Per Day | Maximum Vehicle Queue | Average Delay for all Vehicles (sec/veh) |
| | | | | | Day | Hour | | | | | |
| **Wyoming MP 737.70 to 828.70** | | | | | | | | | | | |
| **Niobrara County** | | | | | | | | | | | |
| 73770 | 2 | 25 | 45.0 | 7400 | 11 | 0.5 | 2.4 | 1.5 | 0.5 | 0.1 | 3.2 |
| 74070 | 2 | 25 | 45.0 | 7400 | 11 | 0.5 | 2.4 | 1.5 | 0.5 | 0.1 | 3.2 |
| 74120 | 2 | 800 | 45.0 | 7400 | 11 | 0.5 | 2.4 | 1.5 | 14.5 | 1.9 | 3.2 |
| **Weston County** | | | | | | | | | | | |
| 74990 | 1 | 25 | 45.0 | 7400 | 11 | 0.5 | 2.4 | 1.5 | 0.5 | 0.1 | 3.2 |
| 75180 | 2 | 50 | 45.0 | 7400 | 11 | 0.5 | 2.4 | 1.5 | 0.9 | 0.1 | 3.2 |
| 76130 | 2 | 50 | 45.0 | 7400 | 11 | 0.5 | 2.4 | 1.5 | 0.9 | 0.1 | 3.2 |
| 76180 | 2 | 25 | 45.0 | 7400 | 11 | 0.5 | 2.4 | 1.5 | 0.5 | 0.1 | 3.2 |
| 77030 | 2 | 25 | 45.0 | 7400 | 11 | 0.5 | 2.4 | 1.5 | 0.5 | 0.1 | 3.2 |
| 78210 | 2 | 25 | 45.0 | 7400 | 11 | 0.5 | 2.4 | 1.5 | 0.5 | 0.1 | 3.2 |
| 78360 | 2 | 25 | 45.0 | 7400 | 11 | 0.5 | 2.4 | 1.5 | 0.5 | 0.1 | 3.2 |
| **Campbell County** | | | | | | | | | | | |
| 79440 | 2 | 1010 | 45.0 | 7400 | 11 | 0.5 | 2.4 | 1.5 | 18.3 | 2.4 | 3.2 |
| 80460 | 2 | 10 | 45.0 | 7400 | 11 | 0.5 | 2.4 | 1.5 | 0.2 | 0.0 | 3.2 |
| 82230 | 2 | 25 | 45.0 | 7400 | 11 | 0.5 | 2.4 | 1.5 | 0.5 | 0.1 | 3.2 |
| 82870 | 2 | 700 | 45.0 | 7400 | 11 | 0.5 | 2.4 | 1.5 | 12.7 | 1.7 | 3.2 |
| 830 | 2 | 10 | 45.0 | 7400 | 11 | 0.5 | 2.4 | 1.5 | 0.2 | 0.0 | 3.2 |
| 1210 | 1 | 10 | 45.0 | 7400 | 11 | 0.5 | 2.4 | 1.5 | 0.2 | 0.0 | 3.2 |

Post-Construction Delay Summary
Wyoming -50 MNT
Alternative C
Train Length = 6,400 Feet

| MILEPOST | Number of Roadway Lanes | ADT | Post-Construction | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Train Speed (mph) | Train Length (feet) | Trains Per | | Total Blocked Time/ Train | Average Delay/ Veh. (min) | Number of Vehicles Delayed Per Day | Maximum Vehicle Queue | Average Delay for all Vehicles (sec/veh) |
| | | | | | Day | Hour | | | | | |
| **Wyoming MP 737.70 to 828.70** | | | | | | | | | | | |
| **Niobrara County** | | | | | | | | | | | |
| 73770 | 2 | 25 | 45.0 | 6400 | 21 | 0.9 | 2.1 | 1.4 | 0.8 | 0.1 | 5.0 |
| 74070 | 2 | 25 | 45.0 | 6400 | 21 | 0.9 | 2.1 | 1.4 | 0.8 | 0.1 | 5.0 |
| 74120 | 2 | 800 | 45.0 | 6400 | 21 | 0.9 | 2.1 | 1.4 | 24.7 | 1.7 | 5.0 |
| **Weston County** | | | | | | | | | | | |
| 74990 | 1 | 25 | 45.0 | 6400 | 21 | 0.9 | 2.1 | 1.4 | 0.8 | 0.1 | 5.0 |
| 75180 | 2 | 50 | 45.0 | 6400 | 21 | 0.9 | 2.1 | 1.4 | 1.5 | 0.1 | 5.0 |
| 76130 | 2 | 50 | 45.0 | 6400 | 21 | 0.9 | 2.1 | 1.4 | 1.5 | 0.1 | 5.0 |
| 76180 | 2 | 25 | 45.0 | 6400 | 21 | 0.9 | 2.1 | 1.4 | 0.8 | 0.1 | 5.0 |
| 77030 | 2 | 25 | 45.0 | 6400 | 21 | 0.9 | 2.1 | 1.4 | 0.8 | 0.1 | 5.0 |
| 78210 | 2 | 25 | 45.0 | 6400 | 21 | 0.9 | 2.1 | 1.4 | 0.8 | 0.1 | 5.0 |
| 78360 | 2 | 25 | 45.0 | 6400 | 21 | 0.9 | 2.1 | 1.4 | 0.8 | 0.1 | 5.0 |
| **Campbell County** | | | | | | | | | | | |
| 79440 | 2 | 1010 | 45.0 | 6400 | 21 | 0.9 | 2.1 | 1.4 | 31.2 | 2.1 | 5.0 |
| 80460 | 2 | 10 | 45.0 | 6400 | 21 | 0.9 | 2.1 | 1.4 | 0.3 | 0.0 | 5.0 |
| 82230 | 2 | 25 | 45.0 | 6400 | 21 | 0.9 | 2.1 | 1.4 | 0.8 | 0.1 | 5.0 |
| 82870 | 2 | 700 | 45.0 | 6400 | 21 | 0.9 | 2.1 | 1.4 | 21.6 | 1.5 | 5.0 |
| 830 | 2 | 10 | 45.0 | 6400 | 21 | 0.9 | 2.1 | 1.4 | 0.3 | 0.0 | 5.0 |
| 1210 | 1 | 10 | 45.0 | 6400 | 21 | 0.9 | 2.1 | 1.4 | 0.3 | 0.0 | 5.0 |

Post-Construction Delay Summary
Wyoming - 50 MNT
Alternative C
Train Length = 7,400 Feet

| MILEPOST | Number of Roadway Lanes | ADT | Post-Construction | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Train Speed (mph) | Train Length (feet) | Trains Per | | Total Blocked Time/ Train | Average Delay/ Veh. (min) | Number of Vehicles Delayed Per Day | Maximum Vehicle Queue | Average Delay for all Vehicles (sec/veh) |
| | | | | | Day | Hour | | | | | |
| **Wyoming MP 737.70 to 828.70** | | | | | | | | | | | |
| **Niobrara County** | | | | | | | | | | | |
| 73770 | 2 | 25 | 45.0 | 7400 | 21 | 0.9 | 2.4 | 1.5 | 0.9 | 0.1 | 6.2 |
| 74070 | 2 | 25 | 45.0 | 7400 | 21 | 0.9 | 2.4 | 1.5 | 0.9 | 0.1 | 6.2 |
| 74120 | 2 | 800 | 45.0 | 7400 | 21 | 0.9 | 2.4 | 1.5 | 27.6 | 1.9 | 6.2 |
| **Weston County** | | | | | | | | | | | |
| 74990 | 1 | 25 | 45.0 | 7400 | 21 | 0.9 | 2.4 | 1.5 | 0.9 | 0.1 | 6.2 |
| 75180 | 2 | 50 | 45.0 | 7400 | 21 | 0.9 | 2.4 | 1.5 | 1.7 | 0.1 | 6.2 |
| 76130 | 2 | 50 | 45.0 | 7400 | 21 | 0.9 | 2.4 | 1.5 | 1.7 | 0.1 | 6.2 |
| 76180 | 2 | 25 | 45.0 | 7400 | 21 | 0.9 | 2.4 | 1.5 | 0.9 | 0.1 | 6.2 |
| 77030 | 2 | 25 | 45.0 | 7400 | 21 | 0.9 | 2.4 | 1.5 | 0.9 | 0.1 | 6.2 |
| 78210 | 2 | 25 | 45.0 | 7400 | 21 | 0.9 | 2.4 | 1.5 | 0.9 | 0.1 | 6.2 |
| 78360 | 2 | 25 | 45.0 | 7400 | 21 | 0.9 | 2.4 | 1.5 | 0.9 | 0.1 | 6.2 |
| **Campbell County** | | | | | | | | | | | |
| 79440 | 2 | 1010 | 45.0 | 7400 | 21 | 0.9 | 2.4 | 1.5 | 34.9 | 2.4 | 6.2 |
| 80460 | 2 | 10 | 45.0 | 7400 | 21 | 0.9 | 2.4 | 1.5 | 0.3 | 0.0 | 6.2 |
| 82230 | 2 | 25 | 45.0 | 7400 | 21 | 0.9 | 2.4 | 1.5 | 0.9 | 0.1 | 6.2 |
| 82870 | 2 | 700 | 45.0 | 7400 | 21 | 0.9 | 2.4 | 1.5 | 24.2 | 1.7 | 6.2 |
| 830 | 2 | 10 | 45.0 | 7400 | 21 | 0.9 | 2.4 | 1.5 | 0.3 | 0.0 | 6.2 |
| 1210 | 1 | 10 | 45.0 | 7400 | 21 | 0.9 | 2.4 | 1.5 | 0.3 | 0.0 | 6.2 |

Post-Construction Delay Summary
Wyoming -100 MNT
Alternative C
Train Length = 6,400 Feet

| MILEPOST | Number of Roadway Lanes | ADT | Post-Construction | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Train Speed (mph) | Train Length (feet) | Trains Per | | Total Blocked Time/ Train | Average Delay/ Veh. (min) | Number of Vehicles Delayed Per Day | Maximum Vehicle Queue | Average Delay for all Vehicles (sec/veh) |
| | | | | | Day | Hour | | | | | |
| **Wyoming MP 737.70 to 828.70** | | | | | | | | | | | |
| **Niobrara County** | | | | | | | | | | | |
| 73770 | 2 | 25 | 45.0 | 6400 | 37 | 1.5 | 2.1 | 1.4 | 1.4 | 0.1 | 8.9 |
| 74070 | 2 | 25 | 45.0 | 6400 | 37 | 1.5 | 2.1 | 1.4 | 1.4 | 0.1 | 8.9 |
| 74120 | 2 | 800 | 45.0 | 6400 | 37 | 1.5 | 2.1 | 1.4 | 43.5 | 1.7 | 8.9 |
| **Weston County** | | | | | | | | | | | |
| 74990 | 1 | 25 | 45.0 | 6400 | 37 | 1.5 | 2.1 | 1.4 | 1.4 | 0.1 | 8.9 |
| 75180 | 2 | 50 | 45.0 | 6400 | 37 | 1.5 | 2.1 | 1.4 | 2.7 | 0.1 | 8.9 |
| 76130 | 2 | 50 | 45.0 | 6400 | 37 | 1.5 | 2.1 | 1.4 | 2.7 | 0.1 | 8.9 |
| 76180 | 2 | 25 | 45.0 | 6400 | 37 | 1.5 | 2.1 | 1.4 | 1.4 | 0.1 | 8.9 |
| 77030 | 2 | 25 | 45.0 | 6400 | 37 | 1.5 | 2.1 | 1.4 | 1.4 | 0.1 | 8.9 |
| 78210 | 2 | 25 | 45.0 | 6400 | 37 | 1.5 | 2.1 | 1.4 | 1.4 | 0.1 | 8.9 |
| 78360 | 2 | 25 | 45.0 | 6400 | 37 | 1.5 | 2.1 | 1.4 | 1.4 | 0.1 | 8.9 |
| **Campbell County** | | | | | | | | | | | |
| 79440 | 2 | 1010 | 45.0 | 6400 | 37 | 1.5 | 2.1 | 1.4 | 54.9 | 2.1 | 8.9 |
| 80460 | 2 | 10 | 45.0 | 6400 | 37 | 1.5 | 2.1 | 1.4 | 0.5 | 0.0 | 8.9 |
| 82230 | 2 | 25 | 45.0 | 6400 | 37 | 1.5 | 2.1 | 1.4 | 1.4 | 0.1 | 8.9 |
| 82870 | 2 | 700 | 45.0 | 6400 | 37 | 1.5 | 2.1 | 1.4 | 38.1 | 1.5 | 8.9 |
| 830 | 2 | 10 | 45.0 | 6400 | 37 | 1.5 | 2.1 | 1.4 | 0.5 | 0.0 | 8.9 |
| 1210 | 1 | 10 | 45.0 | 6400 | 37 | 1.5 | 2.1 | 1.4 | 0.5 | 0.0 | 8.9 |

Post-Construction Delay Summary
Wyoming - 100 MNT
Alternative C
Train Length = 7,400 Feet

| MILEPOST | Number of Roadway Lanes | ADT | Post-Construction | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Train Speed (mph) | Train Length (feet) | Trains Per | | Total Blocked Time/ Train | Average Delay/ Veh. (min) | Number of Vehicles Delayed Per Day | Maximum Vehicle Queue | Average Delay for all Vehicles (sec/veh) |
| | | | | | Day | Hour | | | | | |
| **Wyoming MP 737.70 to 828.70** | | | | | | | | | | | |
| **Niobrara County** | | | | | | | | | | | |
| 73770 | 2 | 25 | 45.0 | 7400 | 37 | 1.5 | 2.4 | 1.5 | 1.5 | 0.1 | 10.8 |
| 74070 | 2 | 25 | 45.0 | 7400 | 37 | 1.5 | 2.4 | 1.5 | 1.5 | 0.1 | 10.8 |
| 74120 | 2 | 800 | 45.0 | 7400 | 37 | 1.5 | 2.4 | 1.5 | 48.7 | 1.9 | 10.8 |
| **Weston County** | | | | | | | | | | | |
| 74990 | 1 | 25 | 45.0 | 7400 | 37 | 1.5 | 2.4 | 1.5 | 1.5 | 0.1 | 10.8 |
| 75180 | 2 | 50 | 45.0 | 7400 | 37 | 1.5 | 2.4 | 1.5 | 3.0 | 0.1 | 10.8 |
| 76130 | 2 | 50 | 45.0 | 7400 | 37 | 1.5 | 2.4 | 1.5 | 3.0 | 0.1 | 10.8 |
| 76180 | 2 | 25 | 45.0 | 7400 | 37 | 1.5 | 2.4 | 1.5 | 1.5 | 0.1 | 10.8 |
| 77030 | 2 | 25 | 45.0 | 7400 | 37 | 1.5 | 2.4 | 1.5 | 1.5 | 0.1 | 10.8 |
| 78210 | 2 | 25 | 45.0 | 7400 | 37 | 1.5 | 2.4 | 1.5 | 1.5 | 0.1 | 10.8 |
| 78360 | 2 | 25 | 45.0 | 7400 | 37 | 1.5 | 2.4 | 1.5 | 1.5 | 0.1 | 10.8 |
| **Campbell County** | | | | | | | | | | | |
| 79440 | 2 | 1010 | 45.0 | 7400 | 37 | 1.5 | 2.4 | 1.5 | 61.5 | 2.4 | 10.8 |
| 80460 | 2 | 10 | 45.0 | 7400 | 37 | 1.5 | 2.4 | 1.5 | 0.6 | 0.0 | 10.8 |
| 82230 | 2 | 25 | 45.0 | 7400 | 37 | 1.5 | 2.4 | 1.5 | 1.5 | 0.1 | 10.8 |
| 82870 | 2 | 700 | 45.0 | 7400 | 37 | 1.5 | 2.4 | 1.5 | 42.6 | 1.7 | 10.8 |
| 830 | 2 | 10 | 45.0 | 7400 | 37 | 1.5 | 2.4 | 1.5 | 0.6 | 0.0 | 10.8 |
| 1210 | 1 | 10 | 45.0 | 7400 | 37 | 1.5 | 2.4 | 1.5 | 0.6 | 0.0 | 10.8 |

Pre/Post-Construction Delays
Wyoming-20 MNT
Alternative D
Train Length = 6,400 Feet

| STREET | MILEPOST | Number of Roadway Lanes | ADT | Pre-Construction | | | | | | | | | Post-Construction | | | | | | | | | Difference Average Delay/ Veh. (min.) | Trip Threshold |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Train Speed (mph) | Train Length (feet) | Trains Per Day | Trains Per Hour | Total Blocked Time/ Train (min.) | Average Delay/ Veh. (min) | Number of Vehicles Delayed Per Day | Maximum Vehicle Queue | Average Delay for all Vehicles (sec/veh) | Train Speed (mph) | Train Length (feet) | Trains Per Day | Trains Per Hour | Total Blocked Time/ Train | Average Delay/ Veh. (min) | Number of Vehicles Delayed Per Day | Maximum Vehicle Queue | Average Delay for all Vehicles (sec/veh) | | |
| **Weston County** | | | | | | | | | | | | | | | | | | | | | | | |
| Whoopup Canyon Road | 510.90 | 2 | 100 | 49 | 6400 | 12 | 0.5 | 2.0 | 1.3 | 1.7 | 0.2 | 2.6 | 49.0 | 6400 | 23 | 1.0 | 2.0 | 1.3 | 3.2 | 0.2 | 4.9 | 0.0 | NO |
| Old Highway 85 | 518.30 | 2 | 100 | 49 | 6400 | 12 | 0.5 | 2.0 | 1.3 | 1.7 | 0.2 | 2.6 | 49.0 | 6400 | 23 | 1.0 | 2.0 | 1.3 | 3.2 | 0.2 | 4.9 | 0.0 | NO |
| US HWY 85 | 522.10 | 2 | 100 | 49 | 6400 | 12 | 0.5 | 2.0 | 1.3 | 1.7 | 0.2 | 2.6 | 49.0 | 6400 | 23 | 1.0 | 2.0 | 1.3 | 3.2 | 0.2 | 4.9 | 0.0 | NO |
| Faye Ave. | 522.30 | 2 | 221 | 49 | 6400 | 12 | 0.5 | 2.0 | 1.3 | 3.7 | 0.4 | 2.6 | 49.0 | 6400 | 23 | 1.0 | 2.0 | 1.3 | 7.0 | 0.4 | 4.9 | 0.0 | NO |
| US Hwy 16 By-Pass | 522.40 | 2 | 100 | 49 | 6400 | 51 | 2.1 | 2.0 | 1.3 | 7.0 | 0.2 | 10.9 | 49.0 | 6400 | 62 | 2.6 | 2.0 | 1.3 | 8.5 | 0.2 | 13.2 | 0.0 | NO |
| West Main Street | 522.50 | 4 | 4700 | 49 | 6400 | 51 | 2.1 | 2.0 | 1.3 | 330.3 | 4.7 | 10.9 | 49.0 | 6400 | 62 | 2.6 | 2.0 | 1.3 | 401.5 | 4.7 | 13.2 | 0.0 | NO |
| Walker Ave. | 522.80 | 2 | 652 | 49 | 6400 | 51 | 2.1 | 2.0 | 1.3 | 45.8 | 1.3 | 10.9 | 49.0 | 6400 | 62 | 2.6 | 2.0 | 1.3 | 55.7 | 1.3 | 13.2 | 0.0 | NO |
| Williams Ave. | 523.00 | 2 | 100 | 49 | 6400 | 51 | 2.1 | 2.0 | 1.3 | 7.0 | 0.2 | 10.9 | 49.0 | 6400 | 62 | 2.6 | 2.0 | 1.3 | 8.5 | 0.2 | 13.2 | 0.0 | NO |
| Grove Ave. | 523.10 | 2 | 1189 | 49 | 6400 | 45 | 1.9 | 2.0 | 1.3 | 73.7 | 2.4 | 9.6 | 49.0 | 6400 | 56 | 2.3 | 2.0 | 1.3 | 91.7 | 2.4 | 12.0 | 0.0 | NO |
| Oil Creek Road | 525.00 | 2 | 100 | 49 | 6400 | 45 | 1.9 | 2.0 | 1.3 | 6.2 | 0.2 | 9.6 | 49.0 | 6400 | 56 | 2.3 | 2.0 | 1.3 | 7.7 | 0.2 | 12.0 | 0.0 | NO |
| E. Rail Road Street | 531.80 | 2 | 252 | 49 | 6400 | 14 | 0.6 | 2.0 | 1.3 | 4.9 | 0.5 | 3.0 | 49.0 | 6400 | 25 | 1.0 | 2.0 | 1.3 | 8.7 | 0.5 | 5.3 | 0.0 | NO |
| Skull Creek Road | 532.70 | 2 | 480 | 49 | 6400 | 14 | 0.6 | 2.0 | 1.3 | 9.3 | 1.0 | 3.0 | 49.0 | 6400 | 25 | 1.0 | 2.0 | 1.3 | 16.5 | 1.0 | 5.3 | 0.0 | NO |
| Baroid Road | 535.00 | 2 | 100 | 49 | 6400 | 14 | 0.6 | 2.0 | 1.3 | 1.9 | 0.2 | 3.0 | 49.0 | 6400 | 25 | 1.0 | 2.0 | 1.3 | 3.4 | 0.2 | 5.3 | 0.0 | NO |
| Highway 16 | 544.00 | 2 | 100 | 49 | 6400 | 14 | 0.6 | 2.0 | 1.3 | 1.9 | 0.2 | 3.0 | 49.0 | 6400 | 25 | 1.0 | 2.0 | 1.3 | 3.4 | 0.2 | 5.3 | 0.0 | NO |
| Highway 116 | 546.20 | 2 | 790 | 49 | 6400 | 11 | 0.5 | 2.0 | 1.3 | 12.0 | 1.6 | 2.3 | 49.0 | 6400 | 22 | 0.9 | 2.0 | 1.3 | 23.9 | 1.6 | 4.7 | 0.0 | NO |
| Pine Street | 546.50 | 1 | 35 | 49 | 6400 | 14 | 0.6 | 2.0 | 1.3 | 0.7 | 0.1 | 3.0 | 49.0 | 6400 | 25 | 1.0 | 2.0 | 1.3 | 1.2 | 0.1 | 5.3 | 0.0 | NO |
| Thorn Road | 555.00 | 2 | 100 | 49 | 6400 | 14 | 0.6 | 2.0 | 1.3 | 1.9 | 0.2 | 3.0 | 49.0 | 6400 | 25 | 1.0 | 2.0 | 1.3 | 3.4 | 0.2 | 5.3 | 0.0 | NO |
| **Crook County** | | | | | | | | | | | | | | | | | | | | | | | |
| Buffalo Creek Road (Ki | 562.90 | 2 | 100 | 50 | 6400 | 48 | 2.0 | 2.0 | 1.3 | 6.5 | 0.2 | 10.0 | 49.0 | 6400 | 59 | 2.5 | 2.0 | 1.3 | 8.1 | 0.2 | 12.6 | 0.0 | NO |
| Warbonnet Road | 565.30 | 9 | 20 | 50 | 6400 | 48 | 2.0 | 2.0 | 1.3 | 1.3 | 0.0 | 10.0 | 49.0 | 6400 | 59 | 2.5 | 2.0 | 1.3 | 1.6 | 0.0 | 12.6 | 0.0 | NO |
| South Big Horn Ave | 566.60 | 1 | 33 | 50 | 6400 | 48 | 2.0 | 2.0 | 1.3 | 2.2 | 0.1 | 10.0 | 49.0 | 6400 | 59 | 2.5 | 2.0 | 1.3 | 2.7 | 0.1 | 12.6 | 0.0 | NO |
| Donkey Creek Road | 573.40 | 2 | 100 | 50 | 6400 | 48 | 2.0 | 2.0 | 1.3 | 6.5 | 0.2 | 10.0 | 49.0 | 6400 | 59 | 2.5 | 2.0 | 1.3 | 8.1 | 0.2 | 12.6 | 0.0 | NO |
| Wessex Road | 574.20 | 2 | 100 | 50 | 6400 | 48 | 2.0 | 2.0 | 1.3 | 6.5 | 0.2 | 10.0 | 49.0 | 6400 | 59 | 2.5 | 2.0 | 1.3 | 8.1 | 0.2 | 12.6 | 0.0 | NO |
| State Highway 51 (14/1 | 576.40 | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 6400 | 17 | 0.7 | 2.0 | 1.3 | 2.3 | 0.2 | 3.6 | 0.0 | NO |
| Stewart Road | 577.00 | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 6400 | 17 | 0.7 | 2.0 | 1.3 | 2.3 | 0.2 | 3.6 | 0.0 | NO |
| Adon Road | 580.00 | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 6400 | 17 | 0.7 | 2.0 | 1.3 | 2.3 | 0.2 | 3.6 | 0.0 | NO |
| Svaling Road | 582.40 | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 6400 | 17 | 0.7 | 2.0 | 1.3 | 2.3 | 0.2 | 3.6 | 0.0 | NO |
| State Highway 51 (14/1 | 582.70 | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 6400 | 17 | 0.7 | 2.0 | 1.3 | 2.3 | 0.2 | 3.6 | 0.0 | NO |
| Timber Creek Road | 3.00 | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 6400 | 17 | 0.7 | 2.0 | 1.3 | 2.3 | 0.2 | 3.6 | 0.0 | NO |
| Timber Creek Road | 4.50 | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 6400 | 17 | 0.7 | 2.0 | 1.3 | 2.3 | 0.2 | 3.6 | 0.0 | NO |
| Bishop Road | 13.10 | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 6400 | 17 | 0.7 | 2.0 | 1.3 | 2.3 | 0.2 | 3.6 | 0.0 | NO |
| Bishop Road | | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 6400 | 17 | 0.7 | 2.0 | 1.3 | 2.3 | 0.2 | 3.6 | 0.0 | NO |
| Bishop Road | | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 6400 | 17 | 0.7 | 2.0 | 1.3 | 2.3 | 0.2 | 3.6 | 0.0 | NO |
| Bishop Road | | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 6400 | 17 | 0.7 | 2.0 | 1.3 | 2.3 | 0.2 | 3.6 | 0.0 | NO |
| T-7 Road | | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 6400 | 17 | 0.7 | 2.0 | 1.3 | 2.3 | 0.2 | 3.6 | 0.0 | NO |
| Keeline Road | | 2 | 42 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.3 | 0.1 | 1.3 | 49.0 | 6400 | 17 | 0.7 | 2.0 | 1.3 | 1.0 | 0.1 | 3.6 | 0.0 | NO |
| Little Thunder Road | | 2 | 26 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.2 | 0.1 | 1.3 | 49.0 | 6400 | 17 | 0.7 | 2.0 | 1.3 | 0.6 | 0.1 | 3.6 | 0.0 | NO |
| State Highway 450 | | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 6400 | 17 | 0.7 | 2.0 | 1.3 | 2.3 | 0.2 | 3.6 | 0.0 | NO |
| Little Thunder Road | | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 6400 | 17 | 0.7 | 2.0 | 1.3 | 2.3 | 0.2 | 3.6 | 0.0 | NO |
| School Creek Road | | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 6400 | 17 | 0.7 | 2.0 | 1.3 | 2.3 | 0.2 | 3.6 | 0.0 | NO |
| Reno County Road | | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 6400 | 17 | 0.7 | 2.0 | 1.3 | 2.3 | 0.2 | 3.6 | 0.0 | NO |
| Piney Creek Road (Mackey Road) | | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 6400 | 17 | 0.7 | 2.0 | 1.3 | 2.3 | 0.2 | 3.6 | 0.0 | NO |
| **Converse County** | | | | | | | | | | | | | | | | | | | | | | | |
| Irwin Road | | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 6400 | 17 | 0.7 | 2.0 | 1.3 | 2.3 | 0.2 | 3.6 | 0.0 | NO |

Pre/Post-Construction Delays
Wyoming -20 MNT
Alternative D
Train Length = 7,400 Feet

| STREET | MILEPOST | Number of Roadway Lanes | ADT | Pre-Construction | | | | | | | | | Post-Construction | | | | | | | | | Difference Average Delay/ Veh. (min.) | Trip Threshold |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Train Speed (mph) | Train Length (feet) | Trains Per Day | Trains Per Hour | Total Blocked Time/ Train (min.) | Average Delay/ Veh. (min) | Number of Vehicles Delayed Per Day | Maximum Vehicle Queue | Average Delay for all Vehicles (sec/veh) | Train Speed (mph) | Train Length (feet) | Trains Per Day | Trains Per Hour | Total Blocked Time/ Train | Average Delay/ Veh. (min) | Number of Vehicles Delayed Per Day | Maximum Vehicle Queue | Average Delay for all Vehicles (sec/veh) | | |
| **Weston County** | | | | | | | | | | | | | | | | | | | | | | | |
| Whoopup Canyon Road | 510.90 | 2 | 100 | 49 | 6400 | 12 | 0.5 | 2.0 | 1.3 | 1.7 | 0.2 | 2.6 | 49.0 | 7400 | 23 | 1.0 | 2.2 | 1.4 | 3.5 | 0.2 | 6.0 | 0.1 | NO |
| Old Highway 85 | 518.30 | 2 | 100 | 49 | 6400 | 12 | 0.5 | 2.0 | 1.3 | 1.7 | 0.2 | 2.6 | 49.0 | 7400 | 23 | 1.0 | 2.2 | 1.4 | 3.5 | 0.2 | 6.0 | 0.1 | NO |
| US HWY 85 | 522.10 | 2 | 100 | 49 | 6400 | 12 | 0.5 | 2.0 | 1.3 | 1.7 | 0.2 | 2.6 | 49.0 | 7400 | 23 | 1.0 | 2.2 | 1.4 | 3.5 | 0.2 | 6.0 | 0.1 | NO |
| Faye Ave. | 522.30 | 2 | 221 | 49 | 6400 | 12 | 0.5 | 2.0 | 1.3 | 3.7 | 0.4 | 2.6 | 49.0 | 7400 | 23 | 1.0 | 2.2 | 1.4 | 7.8 | 0.5 | 6.0 | 0.1 | NO |
| US Hwy 16 By-Pass | 522.40 | 2 | 100 | 49 | 6400 | 51 | 2.1 | 2.0 | 1.3 | 7.0 | 0.2 | 10.9 | 49.0 | 7400 | 62 | 2.6 | 2.2 | 1.4 | 9.5 | 0.2 | 16.1 | 0.1 | NO |
| West Main Street | 522.50 | 4 | 4700 | 49 | 6400 | 51 | 2.1 | 2.0 | 1.3 | 330.3 | 4.7 | 10.9 | 49.0 | 7400 | 62 | 2.6 | 2.2 | 1.4 | 448.5 | 5.2 | 16.1 | 0.1 | NO |
| Walker Ave. | 522.80 | 2 | 652 | 49 | 6400 | 51 | 2.1 | 2.0 | 1.3 | 45.8 | 1.3 | 10.9 | 49.0 | 7400 | 62 | 2.6 | 2.2 | 1.4 | 62.2 | 1.4 | 16.1 | 0.1 | NO |
| Williams Ave. | 523.00 | 2 | 100 | 49 | 6400 | 51 | 2.1 | 2.0 | 1.3 | 7.0 | 0.2 | 10.9 | 49.0 | 7400 | 62 | 2.6 | 2.2 | 1.4 | 9.5 | 0.2 | 16.1 | 0.1 | NO |
| Grove Ave. | 523.10 | 2 | 1189 | 49 | 6400 | 45 | 1.9 | 2.0 | 1.3 | 73.7 | 2.4 | 9.6 | 49.0 | 7400 | 56 | 2.3 | 2.2 | 1.4 | 102.5 | 2.6 | 14.6 | 0.1 | NO |
| Oil Creek Road | 525.00 | 2 | 100 | 49 | 6400 | 45 | 1.9 | 2.0 | 1.3 | 6.2 | 0.2 | 9.6 | 49.0 | 7400 | 56 | 2.3 | 2.2 | 1.4 | 8.6 | 0.2 | 14.6 | 0.1 | NO |
| E. Rail Road Street | 531.80 | 2 | 252 | 49 | 6400 | 14 | 0.6 | 2.0 | 1.3 | 4.9 | 0.5 | 3.0 | 49.0 | 7400 | 25 | 1.0 | 2.2 | 1.4 | 9.7 | 0.6 | 6.5 | 0.1 | NO |
| Skull Creek Road | 532.70 | 2 | 480 | 49 | 6400 | 14 | 0.6 | 2.0 | 1.3 | 9.3 | 1.0 | 3.0 | 49.0 | 7400 | 25 | 1.0 | 2.2 | 1.4 | 18.5 | 1.1 | 6.5 | 0.1 | NO |
| Baroid Road | 535.00 | 2 | 100 | 49 | 6400 | 14 | 0.6 | 2.0 | 1.3 | 1.9 | 0.2 | 3.0 | 49.0 | 7400 | 25 | 1.0 | 2.2 | 1.4 | 3.8 | 0.2 | 6.5 | 0.1 | NO |
| Highway 16 | 544.00 | 2 | 100 | 49 | 6400 | 14 | 0.6 | 2.0 | 1.3 | 1.9 | 0.2 | 3.0 | 49.0 | 7400 | 25 | 1.0 | 2.2 | 1.4 | 3.8 | 0.2 | 6.5 | 0.1 | NO |
| Highway 116 | 546.20 | 2 | 790 | 49 | 6400 | 11 | 0.5 | 2.0 | 1.3 | 12.0 | 1.6 | 2.3 | 49.0 | 7400 | 22 | 0.9 | 2.2 | 1.4 | 26.7 | 1.8 | 5.7 | 0.1 | NO |
| Pine Street | 546.50 | 1 | 35 | 49 | 6400 | 14 | 0.6 | 2.0 | 1.3 | 0.7 | 0.1 | 3.0 | 49.0 | 7400 | 25 | 1.0 | 2.2 | 1.4 | 1.3 | 0.2 | 6.5 | 0.1 | NO |
| Thorn Road | 555.00 | 2 | 100 | 49 | 6400 | 14 | 0.6 | 2.0 | 1.3 | 1.9 | 0.2 | 3.0 | 49.0 | 7400 | 25 | 1.0 | 2.2 | 1.4 | 3.8 | 0.2 | 6.5 | 0.1 | NO |
| **Crook County** | | | | | | | | | | | | | | | | | | | | | | | |
| Buffalo Creek Road (Ki | 562.90 | 2 | 100 | 50 | 6400 | 48 | 2.0 | 2.0 | 1.3 | 6.5 | 0.2 | 10.0 | 49.0 | 7400 | 59 | 2.5 | 2.2 | 1.4 | 9.1 | 0.2 | 15.3 | 0.1 | NO |
| Warbonnet Road | 565.30 | 9 | 20 | 50 | 6400 | 48 | 2.0 | 2.0 | 1.3 | 1.3 | 0.0 | 10.0 | 49.0 | 7400 | 59 | 2.5 | 2.2 | 1.4 | 1.8 | 0.0 | 15.3 | 0.1 | NO |
| South Big Horn Ave | 566.60 | 1 | 33 | 50 | 6400 | 48 | 2.0 | 2.0 | 1.3 | 2.2 | 0.1 | 10.0 | 49.0 | 7400 | 59 | 2.5 | 2.2 | 1.4 | 3.0 | 0.1 | 15.3 | 0.1 | NO |
| Donkey Creek Road | 573.40 | 2 | 100 | 50 | 6400 | 48 | 2.0 | 2.0 | 1.3 | 6.5 | 0.2 | 10.0 | 49.0 | 7400 | 59 | 2.5 | 2.2 | 1.4 | 9.1 | 0.2 | 15.3 | 0.1 | NO |
| Wessex Road | 574.20 | 2 | 100 | 50 | 6400 | 48 | 2.0 | 2.0 | 1.3 | 6.5 | 0.2 | 10.0 | 49.0 | 7400 | 59 | 2.5 | 2.2 | 1.4 | 9.1 | 0.2 | 15.3 | 0.1 | NO |
| State Highway 51 (14/1 | 576.40 | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 7400 | 17 | 0.7 | 2.2 | 1.4 | 2.6 | 0.2 | 4.4 | 0.1 | NO |
| Stewart Road | 577.00 | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 7400 | 17 | 0.7 | 2.2 | 1.4 | 2.6 | 0.2 | 4.4 | 0.1 | NO |
| Adon Road | 580.00 | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 7400 | 17 | 0.7 | 2.2 | 1.4 | 2.6 | 0.2 | 4.4 | 0.1 | NO |
| Svaling Road | 582.40 | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 7400 | 17 | 0.7 | 2.2 | 1.4 | 2.6 | 0.2 | 4.4 | 0.1 | NO |
| State Highway 51 (14/1 | 582.70 | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 7400 | 17 | 0.7 | 2.2 | 1.4 | 2.6 | 0.2 | 4.4 | 0.1 | NO |
| Timber Creek Road | 3.00 | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 7400 | 17 | 0.7 | 2.2 | 1.4 | 2.6 | 0.2 | 4.4 | 0.1 | NO |
| Timber Creek Road | 4.50 | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 7400 | 17 | 0.7 | 2.2 | 1.4 | 2.6 | 0.2 | 4.4 | 0.1 | NO |
| Bishop Road | 13.10 | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 7400 | 17 | 0.7 | 2.2 | 1.4 | 2.6 | 0.2 | 4.4 | 0.1 | NO |
| Bishop Road | | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 7400 | 17 | 0.7 | 2.2 | 1.4 | 2.6 | 0.2 | 4.4 | 0.1 | NO |
| Bishop Road | | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 7400 | 17 | 0.7 | 2.2 | 1.4 | 2.6 | 0.2 | 4.4 | 0.1 | NO |
| Bishop Road | | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 7400 | 17 | 0.7 | 2.2 | 1.4 | 2.6 | 0.2 | 4.4 | 0.1 | NO |
| T-7 Road | | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 7400 | 17 | 0.7 | 2.2 | 1.4 | 2.6 | 0.2 | 4.4 | 0.1 | NO |
| Keeline Road | | 2 | 42 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.3 | 0.1 | 1.3 | 49.0 | 7400 | 17 | 0.7 | 2.2 | 1.4 | 1.1 | 0.1 | 4.4 | 0.1 | NO |
| Little Thunder Road | | 2 | 26 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.2 | 0.1 | 1.3 | 49.0 | 7400 | 17 | 0.7 | 2.2 | 1.4 | 0.7 | 0.1 | 4.4 | 0.1 | NO |
| State Highway 450 | | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 7400 | 17 | 0.7 | 2.2 | 1.4 | 2.6 | 0.2 | 4.4 | 0.1 | NO |
| Little Thunder Road | | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 7400 | 17 | 0.7 | 2.2 | 1.4 | 2.6 | 0.2 | 4.4 | 0.1 | NO |
| School Creek Road | | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 7400 | 17 | 0.7 | 2.2 | 1.4 | 2.6 | 0.2 | 4.4 | 0.1 | NO |
| Reno County Road | | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 7400 | 17 | 0.7 | 2.2 | 1.4 | 2.6 | 0.2 | 4.4 | 0.1 | NO |
| Piney Creek Road (Mackey Road) | | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 7400 | 17 | 0.7 | 2.2 | 1.4 | 2.6 | 0.2 | 4.4 | 0.1 | NO |
| **Converse County** | | | | | | | | | | | | | | | | | | | | | | | |
| Irwin Road | | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 7400 | 17 | 0.7 | 2.2 | 1.4 | 2.6 | 0.2 | 4.4 | 0.1 | NO |

Pre/Post-Construction Delays
Wyoming -50 MNT
Alternative D
Train Length = 6,400 Feet

| STREET | MILEPOST | Number of Roadway Lanes | ADT | Pre-Construction | | | | | | | | | Post-Construction | | | | | | | | | Difference Average Delay/ Veh. (min.) | Trip Threshold |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Train Speed (mph) | Train Length (feet) | Trains Per Day | Trains Per Hour | Total Blocked Time/ Train (min.) | Average Delay/ Veh. (min) | Number of Vehicles Delayed Per Day | Maximum Vehicle Queue | Average Delay for all Vehicles (sec/veh) | Train Speed (mph) | Train Length (feet) | Trains Per Day | Trains Per Hour | Total Blocked Time/ Train | Average Delay/ Veh. (min) | Number of Vehicles Delayed Per Day | Maximum Vehicle Queue | Average Delay for all Vehicles (sec/veh) | | |
| **Weston County** | | | | | | | | | | | | | | | | | | | | | | | |
| Whoopup Canyon Road | 510.90 | 2 | 100 | 49 | 6400 | 12 | 0.5 | 2.0 | 1.3 | 1.7 | 0.2 | 2.6 | 49.0 | 6400 | 33 | 1.4 | 2.0 | 1.3 | 4.5 | 0.2 | 7.0 | 0.0 | NO |
| Old Highway 85 | 518.30 | 2 | 100 | 49 | 6400 | 12 | 0.5 | 2.0 | 1.3 | 1.7 | 0.2 | 2.6 | 49.0 | 6400 | 33 | 1.4 | 2.0 | 1.3 | 4.5 | 0.2 | 7.0 | 0.0 | NO |
| US HWY 85 | 522.10 | 2 | 100 | 49 | 6400 | 12 | 0.5 | 2.0 | 1.3 | 1.7 | 0.2 | 2.6 | 49.0 | 6400 | 33 | 1.4 | 2.0 | 1.3 | 4.5 | 0.2 | 7.0 | 0.0 | NO |
| Faye Ave. | 522.30 | 2 | 221 | 49 | 6400 | 12 | 0.5 | 2.0 | 1.3 | 3.7 | 0.4 | 2.6 | 49.0 | 6400 | 33 | 1.4 | 2.0 | 1.3 | 10.0 | 0.4 | 7.0 | 0.0 | NO |
| US Hwy 16 By-Pass | 522.40 | 2 | 100 | 49 | 6400 | 51 | 2.1 | 2.0 | 1.3 | 7.0 | 0.2 | 10.9 | 49.0 | 6400 | 72 | 3.0 | 2.0 | 1.3 | 9.9 | 0.2 | 15.4 | 0.0 | NO |
| West Main Street | 522.50 | 4 | 4700 | 49 | 6400 | 51 | 2.1 | 2.0 | 1.3 | 330.3 | 4.7 | 10.9 | 49.0 | 6400 | 72 | 3.0 | 2.0 | 1.3 | 466.3 | 4.7 | 15.4 | 0.0 | NO |
| Walker Ave. | 522.80 | 2 | 652 | 49 | 6400 | 51 | 2.1 | 2.0 | 1.3 | 45.8 | 1.3 | 10.9 | 49.0 | 6400 | 72 | 3.0 | 2.0 | 1.3 | 64.7 | 1.3 | 15.4 | 0.0 | NO |
| Williams Ave. | 523.00 | 2 | 100 | 49 | 6400 | 51 | 2.1 | 2.0 | 1.3 | 7.0 | 0.2 | 10.9 | 49.0 | 6400 | 72 | 3.0 | 2.0 | 1.3 | 9.9 | 0.2 | 15.4 | 0.0 | NO |
| Grove Ave. | 523.10 | 2 | 1189 | 49 | 6400 | 45 | 1.9 | 2.0 | 1.3 | 73.7 | 2.4 | 9.6 | 49.0 | 6400 | 66 | 2.8 | 2.0 | 1.3 | 108.1 | 2.4 | 14.1 | 0.0 | NO |
| Oil Creek Road | 525.00 | 2 | 100 | 49 | 6400 | 45 | 1.9 | 2.0 | 1.3 | 6.2 | 0.2 | 9.6 | 49.0 | 6400 | 66 | 2.8 | 2.0 | 1.3 | 9.1 | 0.2 | 14.1 | 0.0 | NO |
| E. Rail Road Street | 531.80 | 2 | 252 | 49 | 6400 | 14 | 0.6 | 2.0 | 1.3 | 4.9 | 0.5 | 3.0 | 49.0 | 6400 | 35 | 1.5 | 2.0 | 1.3 | 12.2 | 0.5 | 7.5 | 0.0 | NO |
| Skull Creek Road | 532.70 | 2 | 480 | 49 | 6400 | 14 | 0.6 | 2.0 | 1.3 | 9.3 | 1.0 | 3.0 | 49.0 | 6400 | 35 | 1.5 | 2.0 | 1.3 | 23.1 | 1.0 | 7.5 | 0.0 | NO |
| Baroid Road | 535.00 | 2 | 100 | 49 | 6400 | 14 | 0.6 | 2.0 | 1.3 | 1.9 | 0.2 | 3.0 | 49.0 | 6400 | 35 | 1.5 | 2.0 | 1.3 | 4.8 | 0.2 | 7.5 | 0.0 | NO |
| Highway 16 | 544.00 | 2 | 100 | 49 | 6400 | 14 | 0.6 | 2.0 | 1.3 | 1.9 | 0.2 | 3.0 | 49.0 | 6400 | 35 | 1.5 | 2.0 | 1.3 | 4.8 | 0.2 | 7.5 | 0.0 | NO |
| Highway 116 | 546.20 | 2 | 790 | 49 | 6400 | 11 | 0.5 | 2.0 | 1.3 | 12.0 | 1.6 | 2.3 | 49.0 | 6400 | 32 | 1.3 | 2.0 | 1.3 | 34.8 | 1.6 | 6.8 | 0.0 | NO |
| Pine Street | 546.50 | 1 | 35 | 49 | 6400 | 14 | 0.6 | 2.0 | 1.3 | 0.7 | 0.1 | 3.0 | 49.0 | 6400 | 35 | 1.5 | 2.0 | 1.3 | 1.7 | 0.1 | 7.5 | 0.0 | NO |
| Thorn Road | 555.00 | 2 | 100 | 49 | 6400 | 14 | 0.6 | 2.0 | 1.3 | 1.9 | 0.2 | 3.0 | 49.0 | 6400 | 35 | 1.5 | 2.0 | 1.3 | 4.8 | 0.2 | 7.5 | 0.0 | NO |
| **Crook County** | | | | | | | | | | | | | | | | | | | | | | | |
| Buffalo Creek Road (Ki | 562.90 | 2 | 100 | 50 | 6400 | 48 | 2.0 | 2.0 | 1.3 | 6.5 | 0.2 | 10.0 | 49.0 | 6400 | 69 | 2.9 | 2.0 | 1.3 | 9.5 | 0.2 | 14.7 | 0.0 | NO |
| Warbonnet Road | 565.30 | 9 | 20 | 50 | 6400 | 48 | 2.0 | 2.0 | 1.3 | 1.3 | 0.0 | 10.0 | 49.0 | 6400 | 69 | 2.9 | 2.0 | 1.3 | 1.9 | 0.0 | 14.7 | 0.0 | NO |
| South Big Horn Ave | 566.60 | 1 | 33 | 50 | 6400 | 48 | 2.0 | 2.0 | 1.3 | 2.2 | 0.1 | 10.0 | 49.0 | 6400 | 69 | 2.9 | 2.0 | 1.3 | 3.1 | 0.1 | 14.7 | 0.0 | NO |
| Donkey Creek Road | 573.40 | 2 | 100 | 50 | 6400 | 48 | 2.0 | 2.0 | 1.3 | 6.5 | 0.2 | 10.0 | 49.0 | 6400 | 69 | 2.9 | 2.0 | 1.3 | 9.5 | 0.2 | 14.7 | 0.0 | NO |
| Wessex Road | 574.20 | 2 | 100 | 50 | 6400 | 48 | 2.0 | 2.0 | 1.3 | 6.5 | 0.2 | 10.0 | 49.0 | 6400 | 69 | 2.9 | 2.0 | 1.3 | 9.5 | 0.2 | 14.7 | 0.0 | NO |
| State Highway 51 (14/1 | 576.40 | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 6400 | 27 | 1.1 | 2.0 | 1.3 | 3.7 | 0.2 | 5.8 | 0.0 | NO |
| Stewart Road | 577.00 | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 6400 | 27 | 1.1 | 2.0 | 1.3 | 3.7 | 0.2 | 5.8 | 0.0 | NO |
| Adon Road | 580.00 | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 6400 | 27 | 1.1 | 2.0 | 1.3 | 3.7 | 0.2 | 5.8 | 0.0 | NO |
| Svaling Road | 582.40 | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 6400 | 27 | 1.1 | 2.0 | 1.3 | 3.7 | 0.2 | 5.8 | 0.0 | NO |
| State Highway 51 (14/1 | 582.70 | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 6400 | 27 | 1.1 | 2.0 | 1.3 | 3.7 | 0.2 | 5.8 | 0.0 | NO |
| Timber Creek Road | 3.00 | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 6400 | 27 | 1.1 | 2.0 | 1.3 | 3.7 | 0.2 | 5.8 | 0.0 | NO |
| Timber Creek Road | 4.50 | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 6400 | 27 | 1.1 | 2.0 | 1.3 | 3.7 | 0.2 | 5.8 | 0.0 | NO |
| Bishop Road | 13.10 | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 6400 | 27 | 1.1 | 2.0 | 1.3 | 3.7 | 0.2 | 5.8 | 0.0 | NO |
| Bishop Road | | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 6400 | 27 | 1.1 | 2.0 | 1.3 | 3.7 | 0.2 | 5.8 | 0.0 | NO |
| Bishop Road | | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 6400 | 27 | 1.1 | 2.0 | 1.3 | 3.7 | 0.2 | 5.8 | 0.0 | NO |
| Bishop Road | | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 6400 | 27 | 1.1 | 2.0 | 1.3 | 3.7 | 0.2 | 5.8 | 0.0 | NO |
| T-7 Road | | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 6400 | 27 | 1.1 | 2.0 | 1.3 | 3.7 | 0.2 | 5.8 | 0.0 | NO |
| Keeline Road | | 2 | 42 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.3 | 0.1 | 1.3 | 49.0 | 6400 | 27 | 1.1 | 2.0 | 1.3 | 1.6 | 0.1 | 5.8 | 0.0 | NO |
| Little Thunder Road | | 2 | 26 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.2 | 0.1 | 1.3 | 49.0 | 6400 | 27 | 1.1 | 2.0 | 1.3 | 1.0 | 0.1 | 5.8 | 0.0 | NO |
| State Highway 450 | | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 6400 | 27 | 1.1 | 2.0 | 1.3 | 3.7 | 0.2 | 5.8 | 0.0 | NO |
| Little Thunder Road | | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 6400 | 27 | 1.1 | 2.0 | 1.3 | 3.7 | 0.2 | 5.8 | 0.0 | NO |
| School Creek Road | | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 6400 | 27 | 1.1 | 2.0 | 1.3 | 3.7 | 0.2 | 5.8 | 0.0 | NO |
| Reno County Road | | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 6400 | 27 | 1.1 | 2.0 | 1.3 | 3.7 | 0.2 | 5.8 | 0.0 | NO |
| Piney Creek Road (Mackey Road) | | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 6400 | 27 | 1.1 | 2.0 | 1.3 | 3.7 | 0.2 | 5.8 | 0.0 | NO |
| **Converse County** | | | | | | | | | | | | | | | | | | | | | | | |
| Irwin Road | | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 6400 | 27 | 1.1 | 2.0 | 1.3 | 3.7 | 0.2 | 5.8 | 0.0 | NO |

Pre/Post-Construction Delays
Wyoming -50 MNT
Alternative D
Train Length = 7,400 Feet

| STREET | MILEPOST | Number of Roadway Lanes | ADT | Pre-Construction | | | | | | | | | Post-Construction | | | | | | | | | Difference Average Delay/ Veh. (min.) | Trip Threshold |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Train Speed (mph) | Train Length (feet) | Trains Per Day | Trains Per Hour | Total Blocked Time/ Train (min.) | Average Delay/ Veh. (min) | Number of Vehicles Delayed Per Day | Maximum Vehicle Queue | Average Delay for all Vehicles (sec/veh) | Train Speed (mph) | Train Length (feet) | Trains Per Day | Trains Per Hour | Total Blocked Time/ Train | Average Delay/ Veh. (min) | Number of Vehicles Delayed Per Day | Maximum Vehicle Queue | Average Delay for all Vehicles (sec/veh) | | |
| **Weston County** | | | | | | | | | | | | | | | | | | | | | | | |
| Whoopup Canyon Road | 510.90 | 2 | 100 | 49 | 6400 | 12 | 0.5 | 2.0 | 1.3 | 1.7 | 0.2 | 2.6 | 49.0 | 7400 | 33 | 1.4 | 2.2 | 1.4 | 5.1 | 0.2 | 8.6 | 0.1 | NO |
| Old Highway 85 | 518.30 | 2 | 100 | 49 | 6400 | 12 | 0.5 | 2.0 | 1.3 | 1.7 | 0.2 | 2.6 | 49.0 | 7400 | 33 | 1.4 | 2.2 | 1.4 | 5.1 | 0.2 | 8.6 | 0.1 | NO |
| US HWY 85 | 522.10 | 2 | 100 | 49 | 6400 | 12 | 0.5 | 2.0 | 1.3 | 1.7 | 0.2 | 2.6 | 49.0 | 7400 | 33 | 1.4 | 2.2 | 1.4 | 5.1 | 0.2 | 8.6 | 0.1 | NO |
| Faye Ave. | 522.30 | 2 | 221 | 49 | 6400 | 12 | 0.5 | 2.0 | 1.3 | 3.7 | 0.4 | 2.6 | 49.0 | 7400 | 33 | 1.4 | 2.2 | 1.4 | 11.2 | 0.5 | 8.6 | 0.1 | NO |
| US Hwy 16 By-Pass | 522.40 | 2 | 100 | 49 | 6400 | 51 | 2.1 | 2.0 | 1.3 | 7.0 | 0.2 | 10.9 | 49.0 | 7400 | 72 | 3.0 | 2.2 | 1.4 | 11.1 | 0.2 | 18.7 | 0.1 | NO |
| West Main Street | 522.50 | 4 | 4700 | 49 | 6400 | 51 | 2.1 | 2.0 | 1.3 | 330.3 | 4.7 | 10.9 | 49.0 | 7400 | 72 | 3.0 | 2.2 | 1.4 | 520.8 | 5.2 | 18.7 | 0.1 | NO |
| Walker Ave. | 522.80 | 2 | 652 | 49 | 6400 | 51 | 2.1 | 2.0 | 1.3 | 45.8 | 1.3 | 10.9 | 49.0 | 7400 | 72 | 3.0 | 2.2 | 1.4 | 72.2 | 1.4 | 18.7 | 0.1 | NO |
| Williams Ave. | 523.00 | 2 | 100 | 49 | 6400 | 51 | 2.1 | 2.0 | 1.3 | 7.0 | 0.2 | 10.9 | 49.0 | 7400 | 72 | 3.0 | 2.2 | 1.4 | 11.1 | 0.2 | 18.7 | 0.1 | NO |
| Grove Ave. | 523.10 | 2 | 1189 | 49 | 6400 | 45 | 1.9 | 2.0 | 1.3 | 73.7 | 2.4 | 9.6 | 49.0 | 7400 | 66 | 2.8 | 2.2 | 1.4 | 120.8 | 2.6 | 17.2 | 0.1 | NO |
| Oil Creek Road | 525.00 | 2 | 100 | 49 | 6400 | 45 | 1.9 | 2.0 | 1.3 | 6.2 | 0.2 | 9.6 | 49.0 | 7400 | 66 | 2.8 | 2.2 | 1.4 | 10.2 | 0.2 | 17.2 | 0.1 | NO |
| E. Rail Road Street | 531.80 | 2 | 252 | 49 | 6400 | 14 | 0.6 | 2.0 | 1.3 | 4.9 | 0.5 | 3.0 | 49.0 | 7400 | 35 | 1.5 | 2.2 | 1.4 | 13.6 | 0.6 | 9.1 | 0.1 | NO |
| Skull Creek Road | 532.70 | 2 | 480 | 49 | 6400 | 14 | 0.6 | 2.0 | 1.3 | 9.3 | 1.0 | 3.0 | 49.0 | 7400 | 35 | 1.5 | 2.2 | 1.4 | 25.9 | 1.1 | 9.1 | 0.1 | NO |
| Baroid Road | 535.00 | 2 | 100 | 49 | 6400 | 14 | 0.6 | 2.0 | 1.3 | 1.9 | 0.2 | 3.0 | 49.0 | 7400 | 35 | 1.5 | 2.2 | 1.4 | 5.4 | 0.2 | 9.1 | 0.1 | NO |
| Highway 16 | 544.00 | 2 | 100 | 49 | 6400 | 14 | 0.6 | 2.0 | 1.3 | 1.9 | 0.2 | 3.0 | 49.0 | 7400 | 35 | 1.5 | 2.2 | 1.4 | 5.4 | 0.2 | 9.1 | 0.1 | NO |
| Highway 116 | 546.20 | 2 | 790 | 49 | 6400 | 11 | 0.5 | 2.0 | 1.3 | 12.0 | 1.6 | 2.3 | 49.0 | 7400 | 32 | 1.3 | 2.2 | 1.4 | 38.9 | 1.8 | 8.3 | 0.1 | NO |
| Pine Street | 546.50 | 1 | 35 | 49 | 6400 | 14 | 0.6 | 2.0 | 1.3 | 0.7 | 0.1 | 3.0 | 49.0 | 7400 | 35 | 1.5 | 2.2 | 1.4 | 1.9 | 0.2 | 9.1 | 0.1 | NO |
| Thorn Road | 555.00 | 2 | 100 | 49 | 6400 | 14 | 0.6 | 2.0 | 1.3 | 1.9 | 0.2 | 3.0 | 49.0 | 7400 | 35 | 1.5 | 2.2 | 1.4 | 5.4 | 0.2 | 9.1 | 0.1 | NO |
| **Crook County** | | | | | | | | | | | | | | | | | | | | | | | |
| Buffalo Creek Road (Ki | 562.90 | 2 | 100 | 50 | 6400 | 48 | 2.0 | 2.0 | 1.3 | 6.5 | 0.2 | 10.0 | 49.0 | 7400 | 69 | 2.9 | 2.2 | 1.4 | 10.6 | 0.2 | 17.9 | 0.1 | NO |
| Warbonnet Road | 565.30 | 9 | 20 | 50 | 6400 | 48 | 2.0 | 2.0 | 1.3 | 1.3 | 0.0 | 10.0 | 49.0 | 7400 | 69 | 2.9 | 2.2 | 1.4 | 2.1 | 0.0 | 17.9 | 0.1 | NO |
| South Big Horn Ave | 566.60 | 1 | 33 | 50 | 6400 | 48 | 2.0 | 2.0 | 1.3 | 2.2 | 0.1 | 10.0 | 49.0 | 7400 | 69 | 2.9 | 2.2 | 1.4 | 3.5 | 0.1 | 17.9 | 0.1 | NO |
| Donkey Creek Road | 573.40 | 2 | 100 | 50 | 6400 | 48 | 2.0 | 2.0 | 1.3 | 6.5 | 0.2 | 10.0 | 49.0 | 7400 | 69 | 2.9 | 2.2 | 1.4 | 10.6 | 0.2 | 17.9 | 0.1 | NO |
| Wessex Road | 574.20 | 2 | 100 | 50 | 6400 | 48 | 2.0 | 2.0 | 1.3 | 6.5 | 0.2 | 10.0 | 49.0 | 7400 | 69 | 2.9 | 2.2 | 1.4 | 10.6 | 0.2 | 17.9 | 0.1 | NO |
| | | | | | | | | | | | | | | | | | | | | | | | |
| State Highway 51 (14/1 | 576.40 | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 7400 | 27 | 1.1 | 2.2 | 1.4 | 4.2 | 0.2 | 7.0 | 0.1 | NO |
| Stewart Road | 577.00 | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 7400 | 27 | 1.1 | 2.2 | 1.4 | 4.2 | 0.2 | 7.0 | 0.1 | NO |
| Adon Road | 580.00 | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 7400 | 27 | 1.1 | 2.2 | 1.4 | 4.2 | 0.2 | 7.0 | 0.1 | NO |
| Svaling Road | 582.40 | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 7400 | 27 | 1.1 | 2.2 | 1.4 | 4.2 | 0.2 | 7.0 | 0.1 | NO |
| State Highway 51 (14/1 | 582.70 | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 7400 | 27 | 1.1 | 2.2 | 1.4 | 4.2 | 0.2 | 7.0 | 0.1 | NO |
| Timber Creek Road | 3.00 | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 7400 | 27 | 1.1 | 2.2 | 1.4 | 4.2 | 0.2 | 7.0 | 0.1 | NO |
| Timber Creek Road | 4.50 | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 7400 | 27 | 1.1 | 2.2 | 1.4 | 4.2 | 0.2 | 7.0 | 0.1 | NO |
| Bishop Road | 13.10 | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 7400 | 27 | 1.1 | 2.2 | 1.4 | 4.2 | 0.2 | 7.0 | 0.1 | NO |
| Bishop Road | | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 7400 | 27 | 1.1 | 2.2 | 1.4 | 4.2 | 0.2 | 7.0 | 0.1 | NO |
| Bishop Road | | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 7400 | 27 | 1.1 | 2.2 | 1.4 | 4.2 | 0.2 | 7.0 | 0.1 | NO |
| Bishop Road | | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 7400 | 27 | 1.1 | 2.2 | 1.4 | 4.2 | 0.2 | 7.0 | 0.1 | NO |
| T-7 Road | | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 7400 | 27 | 1.1 | 2.2 | 1.4 | 4.2 | 0.2 | 7.0 | 0.1 | NO |
| Keeline Road | | 2 | 42 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.3 | 0.1 | 1.3 | 49.0 | 7400 | 27 | 1.1 | 2.2 | 1.4 | 1.7 | 0.1 | 7.0 | 0.1 | NO |
| Little Thunder Road | | 2 | 26 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.2 | 0.1 | 1.3 | 49.0 | 7400 | 27 | 1.1 | 2.2 | 1.4 | 1.1 | 0.1 | 7.0 | 0.1 | NO |
| State Highway 450 | | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 7400 | 27 | 1.1 | 2.2 | 1.4 | 4.2 | 0.2 | 7.0 | 0.1 | NO |
| Little Thunder Road | | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 7400 | 27 | 1.1 | 2.2 | 1.4 | 4.2 | 0.2 | 7.0 | 0.1 | NO |
| School Creek Road | | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 7400 | 27 | 1.1 | 2.2 | 1.4 | 4.2 | 0.2 | 7.0 | 0.1 | NO |
| Reno County Road | | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 7400 | 27 | 1.1 | 2.2 | 1.4 | 4.2 | 0.2 | 7.0 | 0.1 | NO |
| Piney Creek Road (Mackey Road) | | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 7400 | 27 | 1.1 | 2.2 | 1.4 | 4.2 | 0.2 | 7.0 | 0.1 | NO |
| **Converse County** | | | | | | | | | | | | | | | | | | | | | | | |
| Irwin Road | | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 7400 | 27 | 1.1 | 2.2 | 1.4 | 4.2 | 0.2 | 7.0 | 0.1 | NO |

Pre/Post-Construction Delays
Wyoming -100 MNT
Alternative D
Train Length = 6,400 Feet

| STREET | MILEPOST | Number of Roadway Lanes | ADT | Pre-Construction | | | | | | | | | Post-Construction | | | | | | | | | Difference Average Delay/ Veh. (min.) | Trip Threshold |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Train Speed (mph) | Train Length (feet) | Trains Per Day | Trains Per Hour | Total Blocked Time/ Train (min.) | Average Delay/ Veh. (min) | Number of Vehicles Delayed Per Day | Maximum Vehicle Queue | Average Delay for all Vehicles (sec/veh) | Train Speed (mph) | Train Length (feet) | Trains Per Day | Trains Per Hour | Total Blocked Time/ Train | Average Delay/ Veh. (min) | Number of Vehicles Delayed Per Day | Maximum Vehicle Queue | Average Delay for all Vehicles (sec/veh) | | |
| **Weston County** | | | | | | | | | | | | | | | | | | | | | | | |
| Whoopup Canyon Road | 510.90 | 2 | 100 | 49 | 6400 | 12 | 0.5 | 2.0 | 1.3 | 1.7 | 0.2 | 2.6 | 49.0 | 6400 | 49 | 2.0 | 2.0 | 1.3 | 6.8 | 0.2 | 10.5 | 0.0 | NO |
| Old Highway 85 | 518.30 | 2 | 100 | 49 | 6400 | 12 | 0.5 | 2.0 | 1.3 | 1.7 | 0.2 | 2.6 | 49.0 | 6400 | 49 | 2.0 | 2.0 | 1.3 | 6.8 | 0.2 | 10.5 | 0.0 | NO |
| US HWY 85 | 522.10 | 2 | 100 | 49 | 6400 | 12 | 0.5 | 2.0 | 1.3 | 1.7 | 0.2 | 2.6 | 49.0 | 6400 | 49 | 2.0 | 2.0 | 1.3 | 6.8 | 0.2 | 10.5 | 0.0 | NO |
| Faye Ave. | 522.30 | 2 | 221 | 49 | 6400 | 12 | 0.5 | 2.0 | 1.3 | 3.7 | 0.4 | 2.6 | 49.0 | 6400 | 49 | 2.0 | 2.0 | 1.3 | 14.9 | 0.4 | 10.5 | 0.0 | NO |
| US Hwy 16 By-Pass | 522.40 | 2 | 100 | 49 | 6400 | 51 | 2.1 | 2.0 | 1.3 | 7.0 | 0.2 | 10.9 | 49.0 | 6400 | 88 | 3.7 | 2.0 | 1.3 | 12.1 | 0.2 | 18.8 | 0.0 | NO |
| West Main Street | 522.50 | 4 | 4700 | 49 | 6400 | 51 | 2.1 | 2.0 | 1.3 | 330.3 | 4.7 | 10.9 | 49.0 | 6400 | 88 | 3.7 | 2.0 | 1.3 | 569.9 | 4.7 | 18.8 | 0.0 | NO |
| Walker Ave. | 522.80 | 2 | 652 | 49 | 6400 | 51 | 2.1 | 2.0 | 1.3 | 45.8 | 1.3 | 10.9 | 49.0 | 6400 | 88 | 3.7 | 2.0 | 1.3 | 79.1 | 1.3 | 18.8 | 0.0 | NO |
| Williams Ave. | 523.00 | 2 | 100 | 49 | 6400 | 51 | 2.1 | 2.0 | 1.3 | 7.0 | 0.2 | 10.9 | 49.0 | 6400 | 88 | 3.7 | 2.0 | 1.3 | 12.1 | 0.2 | 18.8 | 0.0 | NO |
| Grove Ave. | 523.10 | 2 | 1189 | 49 | 6400 | 45 | 1.9 | 2.0 | 1.3 | 73.7 | 2.4 | 9.6 | 49.0 | 6400 | 82 | 3.4 | 2.0 | 1.3 | 134.3 | 2.4 | 17.5 | 0.0 | NO |
| Oil Creek Road | 525.00 | 2 | 100 | 49 | 6400 | 45 | 1.9 | 2.0 | 1.3 | 6.2 | 0.2 | 9.6 | 49.0 | 6400 | 82 | 3.4 | 2.0 | 1.3 | 11.3 | 0.2 | 17.5 | 0.0 | NO |
| E. Rail Road Street | 531.80 | 2 | 252 | 49 | 6400 | 14 | 0.6 | 2.0 | 1.3 | 4.9 | 0.5 | 3.0 | 49.0 | 6400 | 51 | 2.1 | 2.0 | 1.3 | 17.7 | 0.5 | 10.9 | 0.0 | NO |
| Skull Creek Road | 532.70 | 2 | 480 | 49 | 6400 | 14 | 0.6 | 2.0 | 1.3 | 9.3 | 1.0 | 3.0 | 49.0 | 6400 | 51 | 2.1 | 2.0 | 1.3 | 33.7 | 1.0 | 10.9 | 0.0 | NO |
| Baroid Road | 535.00 | 2 | 100 | 49 | 6400 | 14 | 0.6 | 2.0 | 1.3 | 1.9 | 0.2 | 3.0 | 49.0 | 6400 | 51 | 2.1 | 2.0 | 1.3 | 7.0 | 0.2 | 10.9 | 0.0 | NO |
| Highway 16 | 544.00 | 2 | 100 | 49 | 6400 | 14 | 0.6 | 2.0 | 1.3 | 1.9 | 0.2 | 3.0 | 49.0 | 6400 | 51 | 2.1 | 2.0 | 1.3 | 7.0 | 0.2 | 10.9 | 0.0 | NO |
| Highway 116 | 546.20 | 2 | 790 | 49 | 6400 | 11 | 0.5 | 2.0 | 1.3 | 12.0 | 1.6 | 2.3 | 49.0 | 6400 | 48 | 2.0 | 2.0 | 1.3 | 52.3 | 1.6 | 10.3 | 0.0 | NO |
| Pine Street | 546.50 | 1 | 35 | 49 | 6400 | 14 | 0.6 | 2.0 | 1.3 | 0.7 | 0.1 | 3.0 | 49.0 | 6400 | 51 | 2.1 | 2.0 | 1.3 | 2.5 | 0.1 | 10.9 | 0.0 | NO |
| Thorn Road | 555.00 | 2 | 100 | 49 | 6400 | 14 | 0.6 | 2.0 | 1.3 | 1.9 | 0.2 | 3.0 | 49.0 | 6400 | 51 | 2.1 | 2.0 | 1.3 | 7.0 | 0.2 | 10.9 | 0.0 | NO |
| **Crook County** | | | | | | | | | | | | | | | | | | | | | | | |
| Buffalo Creek Road (Ki | 562.90 | 2 | 100 | 50 | 6400 | 48 | 2.0 | 2.0 | 1.3 | 6.5 | 0.2 | 10.0 | 49.0 | 6400 | 85 | 3.5 | 2.0 | 1.3 | 11.7 | 0.2 | 18.2 | 0.0 | NO |
| Warbonnet Road | 565.30 | 9 | 20 | 50 | 6400 | 48 | 2.0 | 2.0 | 1.3 | 1.3 | 0.0 | 10.0 | 49.0 | 6400 | 85 | 3.5 | 2.0 | 1.3 | 2.3 | 0.0 | 18.2 | 0.0 | NO |
| South Big Horn Ave | 566.60 | 1 | 33 | 50 | 6400 | 48 | 2.0 | 2.0 | 1.3 | 2.2 | 0.1 | 10.0 | 49.0 | 6400 | 85 | 3.5 | 2.0 | 1.3 | 3.9 | 0.1 | 18.2 | 0.0 | NO |
| Donkey Creek Road | 573.40 | 2 | 100 | 50 | 6400 | 48 | 2.0 | 2.0 | 1.3 | 6.5 | 0.2 | 10.0 | 49.0 | 6400 | 85 | 3.5 | 2.0 | 1.3 | 11.7 | 0.2 | 18.2 | 0.0 | NO |
| Wessex Road | 574.20 | 2 | 100 | 50 | 6400 | 48 | 2.0 | 2.0 | 1.3 | 6.5 | 0.2 | 10.0 | 49.0 | 6400 | 85 | 3.5 | 2.0 | 1.3 | 11.7 | 0.2 | 18.2 | 0.0 | NO |
| State Highway 51 (14/1 | 576.40 | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 6400 | 43 | 1.8 | 2.0 | 1.3 | 5.9 | 0.2 | 9.2 | 0.0 | NO |
| Stewart Road | 577.00 | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 6400 | 43 | 1.8 | 2.0 | 1.3 | 5.9 | 0.2 | 9.2 | 0.0 | NO |
| Adon Road | 580.00 | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 6400 | 43 | 1.8 | 2.0 | 1.3 | 5.9 | 0.2 | 9.2 | 0.0 | NO |
| Svaling Road | 582.40 | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 6400 | 43 | 1.8 | 2.0 | 1.3 | 5.9 | 0.2 | 9.2 | 0.0 | NO |
| State Highway 51 (14/1 | 582.70 | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 6400 | 43 | 1.8 | 2.0 | 1.3 | 5.9 | 0.2 | 9.2 | 0.0 | NO |
| Timber Creek Road | 3.00 | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 6400 | 43 | 1.8 | 2.0 | 1.3 | 5.9 | 0.2 | 9.2 | 0.0 | NO |
| Timber Creek Road | 4.50 | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 6400 | 43 | 1.8 | 2.0 | 1.3 | 5.9 | 0.2 | 9.2 | 0.0 | NO |
| Bishop Road | 13.10 | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 6400 | 43 | 1.8 | 2.0 | 1.3 | 5.9 | 0.2 | 9.2 | 0.0 | NO |
| Bishop Road | | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 6400 | 43 | 1.8 | 2.0 | 1.3 | 5.9 | 0.2 | 9.2 | 0.0 | NO |
| Bishop Road | | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 6400 | 43 | 1.8 | 2.0 | 1.3 | 5.9 | 0.2 | 9.2 | 0.0 | NO |
| Bishop Road | | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 6400 | 43 | 1.8 | 2.0 | 1.3 | 5.9 | 0.2 | 9.2 | 0.0 | NO |
| T-7 Road | | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 6400 | 43 | 1.8 | 2.0 | 1.3 | 5.9 | 0.2 | 9.2 | 0.0 | NO |
| Keeline Road | | 2 | 42 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.3 | 0.1 | 1.3 | 49.0 | 6400 | 43 | 1.8 | 2.0 | 1.3 | 2.5 | 0.1 | 9.2 | 0.0 | NO |
| Little Thunder Road | | 2 | 26 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.2 | 0.1 | 1.3 | 49.0 | 6400 | 43 | 1.8 | 2.0 | 1.3 | 1.5 | 0.1 | 9.2 | 0.0 | NO |
| State Highway 450 | | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 6400 | 43 | 1.8 | 2.0 | 1.3 | 5.9 | 0.2 | 9.2 | 0.0 | NO |
| Little Thunder Road | | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 6400 | 43 | 1.8 | 2.0 | 1.3 | 5.9 | 0.2 | 9.2 | 0.0 | NO |
| School Creek Road | | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 6400 | 43 | 1.8 | 2.0 | 1.3 | 5.9 | 0.2 | 9.2 | 0.0 | NO |
| Reno County Road | | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 6400 | 43 | 1.8 | 2.0 | 1.3 | 5.9 | 0.2 | 9.2 | 0.0 | NO |
| Piney Creek Road (Mackey Road) | | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 6400 | 43 | 1.8 | 2.0 | 1.3 | 5.9 | 0.2 | 9.2 | 0.0 | NO |
| **Converse County** | | | | | | | | | | | | | | | | | | | | | | | |
| Irwin Road | | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 6400 | 43 | 1.8 | 2.0 | 1.3 | 5.9 | 0.2 | 9.2 | 0.0 | NO |

Pre/Post-Construction Delays
Wyoming -100 MNT
Alternative D
Train Length = 7,400 Feet

| STREET | MILEPOST | Number of Roadway Lanes | ADT | Pre-Construction | | | | | | | | | Post-Construction | | | | | | | | | Difference Average Delay/ Veh. (min.) | Trip Threshold |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Train Speed (mph) | Train Length (feet) | Trains Per Day | Trains Per Hour | Total Blocked Time/ Train (min.) | Average Delay/ Veh. (min) | Number of Vehicles Delayed Per Day | Maximum Vehicle Queue | Average Delay for all Vehicles (sec/veh) | Train Speed (mph) | Train Length (feet) | Trains Per Day | Trains Per Hour | Total Blocked Time/ Train | Average Delay/ Veh. (min) | Number of Vehicles Delayed Per Day | Maximum Vehicle Queue | Average Delay for all Vehicles (sec/veh) | | |
| **Weston County** | | | | | | | | | | | | | | | | | | | | | | | |
| Whoopup Canyon Road | 510.90 | 2 | 100 | 49 | 6400 | 12 | 0.5 | 2.0 | 1.3 | 1.7 | 0.2 | 2.6 | 49.0 | 7400 | 49 | 2.0 | 2.2 | 1.4 | 7.5 | 0.2 | 12.7 | 0.1 | NO |
| Old Highway 85 | 518.30 | 2 | 100 | 49 | 6400 | 12 | 0.5 | 2.0 | 1.3 | 1.7 | 0.2 | 2.6 | 49.0 | 7400 | 49 | 2.0 | 2.2 | 1.4 | 7.5 | 0.2 | 12.7 | 0.1 | NO |
| US HWY 85 | 522.10 | 2 | 100 | 49 | 6400 | 12 | 0.5 | 2.0 | 1.3 | 1.7 | 0.2 | 2.6 | 49.0 | 7400 | 49 | 2.0 | 2.2 | 1.4 | 7.5 | 0.2 | 12.7 | 0.1 | NO |
| Faye Ave. | 522.30 | 2 | 221 | 49 | 6400 | 12 | 0.5 | 2.0 | 1.3 | 3.7 | 0.4 | 2.6 | 49.0 | 7400 | 49 | 2.0 | 2.2 | 1.4 | 16.7 | 0.5 | 12.7 | 0.1 | NO |
| US Hwy 16 By-Pass | 522.40 | 2 | 100 | 49 | 6400 | 51 | 2.1 | 2.0 | 1.3 | 7.0 | 0.2 | 10.9 | 49.0 | 7400 | 88 | 3.7 | 2.2 | 1.4 | 13.5 | 0.2 | 22.9 | 0.1 | NO |
| West Main Street | 522.50 | 4 | 4700 | 49 | 6400 | 51 | 2.1 | 2.0 | 1.3 | 330.3 | 4.7 | 10.9 | 49.0 | 7400 | 88 | 3.7 | 2.2 | 1.4 | 636.5 | 5.2 | 22.9 | 0.1 | NO |
| Walker Ave. | 522.80 | 2 | 652 | 49 | 6400 | 51 | 2.1 | 2.0 | 1.3 | 45.8 | 1.3 | 10.9 | 49.0 | 7400 | 88 | 3.7 | 2.2 | 1.4 | 88.3 | 1.4 | 22.9 | 0.1 | NO |
| Williams Ave. | 523.00 | 2 | 100 | 49 | 6400 | 51 | 2.1 | 2.0 | 1.3 | 7.0 | 0.2 | 10.9 | 49.0 | 7400 | 88 | 3.7 | 2.2 | 1.4 | 13.5 | 0.2 | 22.9 | 0.1 | NO |
| Grove Ave. | 523.10 | 2 | 1189 | 49 | 6400 | 45 | 1.9 | 2.0 | 1.3 | 73.7 | 2.4 | 9.6 | 49.0 | 7400 | 82 | 3.4 | 2.2 | 1.4 | 150.0 | 2.6 | 21.3 | 0.1 | NO |
| Oil Creek Road | 525.00 | 2 | 100 | 49 | 6400 | 45 | 1.9 | 2.0 | 1.3 | 6.2 | 0.2 | 9.6 | 49.0 | 7400 | 82 | 3.4 | 2.2 | 1.4 | 12.6 | 0.2 | 21.3 | 0.1 | NO |
| E. Rail Road Street | 531.80 | 2 | 252 | 49 | 6400 | 14 | 0.6 | 2.0 | 1.3 | 4.9 | 0.5 | 3.0 | 49.0 | 7400 | 51 | 2.1 | 2.2 | 1.4 | 19.8 | 0.6 | 13.3 | 0.1 | NO |
| Skull Creek Road | 532.70 | 2 | 480 | 49 | 6400 | 14 | 0.6 | 2.0 | 1.3 | 9.3 | 1.0 | 3.0 | 49.0 | 7400 | 51 | 2.1 | 2.2 | 1.4 | 37.7 | 1.1 | 13.3 | 0.1 | NO |
| Baroid Road | 535.00 | 2 | 100 | 49 | 6400 | 14 | 0.6 | 2.0 | 1.3 | 1.9 | 0.2 | 3.0 | 49.0 | 7400 | 51 | 2.1 | 2.2 | 1.4 | 7.8 | 0.2 | 13.3 | 0.1 | NO |
| Highway 16 | 544.00 | 2 | 100 | 49 | 6400 | 14 | 0.6 | 2.0 | 1.3 | 1.9 | 0.2 | 3.0 | 49.0 | 7400 | 51 | 2.1 | 2.2 | 1.4 | 7.8 | 0.2 | 13.3 | 0.1 | NO |
| Highway 116 | 546.20 | 2 | 790 | 49 | 6400 | 11 | 0.5 | 2.0 | 1.3 | 12.0 | 1.6 | 2.3 | 49.0 | 7400 | 48 | 2.0 | 2.2 | 1.4 | 58.4 | 1.8 | 12.5 | 0.1 | NO |
| Pine Street | 546.50 | 1 | 35 | 49 | 6400 | 14 | 0.6 | 2.0 | 1.3 | 0.7 | 0.1 | 3.0 | 49.0 | 7400 | 51 | 2.1 | 2.2 | 1.4 | 2.7 | 0.2 | 13.3 | 0.1 | NO |
| Thorn Road | 555.00 | 2 | 100 | 49 | 6400 | 14 | 0.6 | 2.0 | 1.3 | 1.9 | 0.2 | 3.0 | 49.0 | 7400 | 51 | 2.1 | 2.2 | 1.4 | 7.8 | 0.2 | 13.3 | 0.1 | NO |
| **Crook County** | | | | | | | | | | | | | | | | | | | | | | | |
| Buffalo Creek Road (Ki | 562.90 | 2 | 100 | 50 | 6400 | 48 | 2.0 | 2.0 | 1.3 | 6.5 | 0.2 | 10.0 | 49.0 | 7400 | 85 | 3.5 | 2.2 | 1.4 | 13.1 | 0.2 | 22.1 | 0.1 | NO |
| Warbonnet Road | 565.30 | 9 | 20 | 50 | 6400 | 48 | 2.0 | 2.0 | 1.3 | 1.3 | 0.0 | 10.0 | 49.0 | 7400 | 85 | 3.5 | 2.2 | 1.4 | 2.6 | 0.0 | 22.1 | 0.1 | NO |
| South Big Horn Ave | 566.60 | 1 | 33 | 50 | 6400 | 48 | 2.0 | 2.0 | 1.3 | 2.2 | 0.1 | 10.0 | 49.0 | 7400 | 85 | 3.5 | 2.2 | 1.4 | 4.3 | 0.1 | 22.1 | 0.1 | NO |
| Donkey Creek Road | 573.40 | 2 | 100 | 50 | 6400 | 48 | 2.0 | 2.0 | 1.3 | 6.5 | 0.2 | 10.0 | 49.0 | 7400 | 85 | 3.5 | 2.2 | 1.4 | 13.1 | 0.2 | 22.1 | 0.1 | NO |
| Wessex Road | 574.20 | 2 | 100 | 50 | 6400 | 48 | 2.0 | 2.0 | 1.3 | 6.5 | 0.2 | 10.0 | 49.0 | 7400 | 85 | 3.5 | 2.2 | 1.4 | 13.1 | 0.2 | 22.1 | 0.1 | NO |
| State Highway 51 (14/1 | 576.40 | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 7400 | 43 | 1.8 | 2.2 | 1.4 | 6.6 | 0.2 | 11.2 | 0.1 | NO |
| Stewart Road | 577.00 | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 7400 | 43 | 1.8 | 2.2 | 1.4 | 6.6 | 0.2 | 11.2 | 0.1 | NO |
| Adon Road | 580.00 | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 7400 | 43 | 1.8 | 2.2 | 1.4 | 6.6 | 0.2 | 11.2 | 0.1 | NO |
| Svaling Road | 582.40 | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 7400 | 43 | 1.8 | 2.2 | 1.4 | 6.6 | 0.2 | 11.2 | 0.1 | NO |
| State Highway 51 (14/1 | 582.70 | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 7400 | 43 | 1.8 | 2.2 | 1.4 | 6.6 | 0.2 | 11.2 | 0.1 | NO |
| Timber Creek Road | 3.00 | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 7400 | 43 | 1.8 | 2.2 | 1.4 | 6.6 | 0.2 | 11.2 | 0.1 | NO |
| Timber Creek Road | 4.50 | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 7400 | 43 | 1.8 | 2.2 | 1.4 | 6.6 | 0.2 | 11.2 | 0.1 | NO |
| Bishop Road | 13.10 | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 7400 | 43 | 1.8 | 2.2 | 1.4 | 6.6 | 0.2 | 11.2 | 0.1 | NO |
| Bishop Road | | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 7400 | 43 | 1.8 | 2.2 | 1.4 | 6.6 | 0.2 | 11.2 | 0.1 | NO |
| Bishop Road | | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 7400 | 43 | 1.8 | 2.2 | 1.4 | 6.6 | 0.2 | 11.2 | 0.1 | NO |
| Bishop Road | | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 7400 | 43 | 1.8 | 2.2 | 1.4 | 6.6 | 0.2 | 11.2 | 0.1 | NO |
| T-7 Road | | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 7400 | 43 | 1.8 | 2.2 | 1.4 | 6.6 | 0.2 | 11.2 | 0.1 | NO |
| Keeline Road | | 2 | 42 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.3 | 0.1 | 1.3 | 49.0 | 7400 | 43 | 1.8 | 2.2 | 1.4 | 2.8 | 0.1 | 11.2 | 0.1 | NO |
| Little Thunder Road | | 2 | 26 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.2 | 0.1 | 1.3 | 49.0 | 7400 | 43 | 1.8 | 2.2 | 1.4 | 1.7 | 0.1 | 11.2 | 0.1 | NO |
| State Highway 450 | | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 7400 | 43 | 1.8 | 2.2 | 1.4 | 6.6 | 0.2 | 11.2 | 0.1 | NO |
| Little Thunder Road | | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 7400 | 43 | 1.8 | 2.2 | 1.4 | 6.6 | 0.2 | 11.2 | 0.1 | NO |
| School Creek Road | | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 7400 | 43 | 1.8 | 2.2 | 1.4 | 6.6 | 0.2 | 11.2 | 0.1 | NO |
| Reno County Road | | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 7400 | 43 | 1.8 | 2.2 | 1.4 | 6.6 | 0.2 | 11.2 | 0.1 | NO |
| Piney Creek Road (Mackey Road) | | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 7400 | 43 | 1.8 | 2.2 | 1.4 | 6.6 | 0.2 | 11.2 | 0.1 | NO |
| **Converse County** | | | | | | | | | | | | | | | | | | | | | | | |
| Irwin Road | | 2 | 100 | 49 | 6400 | 6 | 0.3 | 2.0 | 1.3 | 0.8 | 0.2 | 1.3 | 49.0 | 7400 | 43 | 1.8 | 2.2 | 1.4 | 6.6 | 0.2 | 11.2 | 0.1 | NO |

# APPENDIX H

## Safety

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# APPENDIX H
# SAFETY

This appendix contains SEA's approach to traffic safety. SEA conducted the evaluation according to accepted engineering procedures consistent with those used in other studies involving railroad mergers and constructions.

## H.1 DATA SOURCES AND TYPES

SEA used the latest version of the FRA database and the FRA's PCAPS[1] to compile accident data for all crossings within the proposed mainline reconstruction between Winona, Minnesota and Wall, South Dakota. SEA obtained ADT and existing warning device information from the Minnesota Department of Transportation and South Dakota Department of Transportation. DM&E also provided operations information including existing number of trains, speed of existing trains, number of proposed trains and speed of proposed trains.

## H.2 ANALYSIS METHODS FOR SAFETY EFFECTS AT HIGHWAY/ RAIL AT-GRADE CROSSINGS

The methods used to evaluate the potential impacts related to highway/rail at-grade crossing safety is presented in this section. Appendix G, "Traffic and Transportation" contains discussions of the methods used to evaluate the potential effects relating to traffic delays due to increased train traffic.

SEA developed methods to quantify vehicle/train accident potential. SEA uses these methods to estimate the transportation effects due to increases in daily trains resulting from the proposed construction. The evaluation of at-grade crossings on a site-specific and system-wide basis is presented in Chapters 3 and 4.

SEA evaluated safety implications to roadway users from increased operations on rail line segments resulting from the proposed construction. For rail line segments, SEA determined the most appropriate evaluation is to assess accident potential at locations where tracks cross roadways at the same elevation, for example highway/rail at-grade crossings. Overpasses or underpasses where the roadway and railroad are physically separated from each other did not warrant attention for this study.

SEA conducted a safety analysis of highway/rail at-grade crossings by predicting the post-construction accident risk. SEA analyzed the impacted rail line segments at three levels of operation; 20 MNT, 50 MNT, and 100 MNT.

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[1] Federal Railroad Administration, PC Accident Prediction System, Version 1.0, July 18, 1997.

The government or agency with local jurisdiction generally regulates the roadway portion of a highway/rail at-grade crossing. This regulatory authority is applied under the guidance of a state public utility or commerce commission and follows the technical aspects of the *Manual on Uniform Traffic Control Devices (MUTCD)*[2].

SEA calculated the risk of accidents at highway/rail at-grade crossings using a standard method developed by FRA. The method is described in a DOT report, *Rail-Highway Crossing Resource Allocation Procedure User's Guide, Third Edition.*[3] The method calculates the risk of an accident at a highway/rail at-grade crossing based upon the characteristics of the grade crossing and statistical information on historic accident experience. The historic data are based on FRA records of accidents and incidents, along with the inventory of physical and functional crossing characteristics. For this study, SEA improved the FRA inventory data by updating it with information they requested from the Minnesota Department of Transportation and the South Dakota Department of Transportation and with the proposed operations information provided by DM&E Railroad.

The FRA's accident prediction method uses three formulas:

$$a = K \times EI \times DT \times MS \times MT \times HP \times HL \qquad (1)$$

$$B = \frac{T_o}{T_o + T}(a) + \frac{T}{T_o + T}(N/T) \qquad \text{where, } T_o = 1/(0.05+a) \qquad (2)$$

$$A = 0.7159 \times B \text{ (for crossings protected by passive devices only).} \qquad (3)$$

$$= 0.5292 \times B \text{ (for crossings protected by flashing lights only).}$$

$$= 0.4921 \times B \text{ (for crossings protected by gates and flashing lights).}$$

Where:

a = the initial unnormalized predicted number of accidents per year.

K = the basic accident prediction constant.

EI = the exposure index factor based on the product of the number of roadway vehicles and trains per day.

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2 Federal Highway Administration, Manual on Uniform Traffic Control Devices (MUTCD), 1988 Edition.

3 Federal Railroad Administration, Rail-Highway Crossing Resource Allocation Procedure User's Guide, Third Edition, August 1987, DOT/FRA/OS-87/10.

DT = the factor for the number of through trains per day during daylight.

MS = the factor for maximum timetable speed.

MT = the factor for number of main tracks.

HP = the factor for paved roadway.

HL = the factor for number of roadway lanes.

B = the weighted average of predicted accident rate and actual accident history.

T = the number of years of recorded accident history.

$T_o$ = the weighting factor in DOT accident prediction formula.

N = the number of accidents recorded for a crossing in T years.

A= the final predicted number of accidents per year.

The first formula is the result of the multiple regression analysis of data from the FRA databases. Because the FRA data cannot describe the precise characteristics of each crossing, such as sight distances, the calculation of predicted accident rates is improved by the addition of actual accident experience at a highway/rail at-grade crossing.

The results of the first formula serve as an input to the second formula, which averages the initial predicted accident rates for a highway/rail at-grade crossing with actual experience. FRA recommends that actual accident experience be limited to the most recent five years of information available, as characteristics of the highway/rail at-grade crossing may have changed such that earlier experience is not representative of future conditions. The past accident period used for the analysis was 1993-1997.

The results of the second formula are input into the third formula, which applies a normalizing constant that adjusts the predicted accident rate by the ratio of actual number of accidents that have occurred to the predicted number of accidents. SEA updated the normalizing constants shown in the third formula from the values given in the DOT report, *Railroad Safety Statistics, Annual Report 1997.*[4]

### H.2.1 Criteria of Significance for Highway/ Rail At-Grade Crossing Safety Effects

SEA established a two-step evaluation process to determine whether the proposed construction would significantly affect safety at highway/rail at-grade crossings.

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4 Federal Railroad Administration, Railroad Safety Statistics, Annual Report 1997. September 1998.

SEA identified those public highway/rail at-grade crossings on the mainline rail segments with high predicted accident frequencies under pre- and post-construction conditions.

SEA established the level of increases in predicted accident frequency that result in a significant impact and thus merit consideration of mitigation strategies.

For highway/rail at-grade crossings with higher predicted accident frequencies, a smaller increase in frequency merited further examination. That is, where there already may be a higher rate of accidents, an increase in the frequency is less acceptable. For at-grade crossings with lower predicted accident frequencies, a larger increase in frequency would have to be present before SEA considered the potential impact to be significant, and thus warrant evaluating mitigation. SEA considered highway/rail at-grade crossings that would either be within the top 50 for the State or have an accident frequency of at least one accident every:

- eight years (0.125 accident frequency rate) - Minnesota,
- 20 years (0.051 accident frequency rate) - South Dakota,
- 40 years (0.025 accident frequency rate) - Wyoming,

and an increase of at least one accident every 100 years (0.01 accidents frequency rate) as significant. For other highway/rail at-grade crossings that would not meet or exceed the 50 highest frequencies, SEA considered an increase of at least one additional accident every 20 years (0.05 accident frequency rate) as significant.

Those crossings shown to have significant impacts based on the analysis qualify for further investigation to determine if upgrades to warning devices are warranted. A diagnostic team, consisting of experts with knowledge of local and statewide needs, must conduct a field investigation to ensure the accuracy of the inputs into the FRA's accident prediction formula. Also, they should examine other critical factors that are not taken into consideration in the analysis and can only be examined in the field. These factors include sight-distance, roadway geometrics, highway congestion, and local topography. The revised results obtained by the diagnostic team can then form a useful basis upon which state and local officials can finalize crossing improvement programs.

## H.3 SAFETY ANALYSIS RESULTS

Tables 3-MN-H1 through 4-WY-H243 of this appendix shows the results of the safety analysis. The Pre-construction, Post-construction and comparison between conditions is included for each individual crossing at the three proposed levels of operation; 20 MNT, 50 MNT, and 100 MNT.

# ATTACHMENT

## Safety Tables

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| 3-MN-H203 | Post-Const. Accident Prediction Summary | Mankato Bypass 50 MNT | Alternative M-2 |
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Pre-Construction Accident Prediction Summary
Minnesota 20 MNT
Alternative B

| FRA ID | MILEPOST | STATE | COUNTY | STREET | CITY | EXISTING DEVICE | ADT c | TRNS PER DAY t | NO. THRU TRNS/DAY DAYLIGHT d | MAX. TT SPEED (MPH) | NO. MAIN TRKS | HWY PAVED YES=1 NO=2 | NO. HWY LANES | BASIC FORMULA INITIAL (ACCIDENTS/YR) a | NO. YRS T | NO. OBSERVED ACCIDENTS 1993-1997 N | PREDICTED ACCIDENTS PER YR B | Estimated Annual Accident Frequency A |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 193363A | 006950 | MN | DODGE | THIRD AVE N.W. | DODGE CENTER | FLASHING LIGHTS | 3300 | 12 | 8 | 35 | 1 | 1 | 2 | 0.110 | 5 | 1 | 0.150 | 0.079 |
| 193300V | 007000 | MN | DODGE | CO RD H | DODGE CENTER | PASSIVE | 500 | 12 | 8 | 35 | 1 | 1 | 2 | 0.079 | 5 | 0 | 0.048 | 0.034 |
| 193364G | 007140 | MN | DODGE | TWP 145 | DODGE CENTER | PASSIVE | 55 | 12 | 8 | 35 | 1 | 2 | 2 | 0.019 | 5 | 0 | 0.014 | 0.010 |
| 193303R | 7190 | MN | DODGE | Twp 153 | DODGE CENTER | PASSIVE | 10 | 12 | 8 | 35 | 1 | 2 | 2 | 0.010 | 5 | 0 | 0.008 | 0.006 |
| 193365N | 007270 | MN | DODGE | CO RD 5 | CLAREMONT | PASSIVE | 310 | 12 | 8 | 35 | 1 | 1 | 2 | 0.066 | 5 | 0 | 0.042 | 0.030 |
| 193366V | 007320 | MN | DODGE | TWP 180 | CLAREMONT | PASSIVE | 49 | 12 | 8 | 35 | 1 | 2 | 2 | 0.018 | 5 | 0 | 0.014 | 0.010 |
| 193367C | 7370 | MN | DODGE | TWP 154 | CLAREMONT | PASSIVE | 55 | 12 | 8 | 35 | 1 | 2 | 2 | 0.019 | 5 | 0 | 0.014 | 0.010 |
| 193368J | 007480 | MN | DODGE | TWP 157 | CLAREMONT | PASSIVE | 55 | 12 | 8 | 35 | 1 | 2 | 2 | 0.019 | 5 | 0 | 0.014 | 0.010 |
| 193369R | 007580 | MN | DODGE | CO RD 3 | CLAREMONT | PASSIVE | 570 | 12 | 8 | 35 | 1 | 1 | 2 | 0.083 | 5 | 0 | 0.050 | 0.036 |
| 193370K | 007640 | MN | DODGE | ELM | CLAREMONT | PASSIVE | 380 | 12 | 8 | 35 | 3 | 2 | 1 | 0.039 | 5 | 0 | 0.027 | 0.019 |
| 193371S | 007680 | MN | DODGE | CO RD 1 | CLAREMONT | PASSIVE | 550 | 12 | 8 | 35 | 1 | 1 | 2 | 0.082 | 5 | 1 | 0.129 | 0.092 |
| 193307T | 007780 | MN | DODGE | TWP 171 | CLAREMONT | PASSIVE | 55 | 12 | 8 | 35 | 1 | 2 | 2 | 0.019 | 5 | 0 | 0.014 | 0.010 |
| 193372Y | 007980 | MN | STEELE | CO RD 16/ SE 84 AVE | CLAREMONT | PASSIVE | 175 | 12 | 8 | 35 | 1 | 1 | 2 | 0.053 | 5 | 0 | 0.035 | 0.025 |
| 193373F | 008090 | MN | STEELE | SE 74TH AVE | CLAREMONT | PASSIVE | 55 | 12 | 8 | 35 | 1 | 2 | 2 | 0.019 | 5 | 0 | 0.014 | 0.010 |
| 193311H | 8130 | MN | STEELE | SE 28th Ave | CLAREMONT | PASSIVE | 55 | 12 | 8 | 35 | 1 | 2 | 2 | 0.019 | 5 | 0 | 0.014 | 0.010 |
| 193374M | 008180 | MN | STEELE | SE 64TH STREET | OWATONNA | PASSIVE | 80 | 12 | 8 | 35 | 1 | 2 | 2 | 0.022 | 5 | 0 | 0.016 | 0.012 |
| 193375U | 008290 | MN | STEELE | US HWY 14 | OWATONNA | FLASHING LIGHTS | 4700 | 12 | 8 | 35 | 1 | 1 | 4 | 0.183 | 5 | 1 | 0.192 | 0.102 |
| 193376B | 008390 | MN | STEELE | SE 44 AVE/ CO RD 59 | OWATONNA | PASSIVE | 365 | 12 | 8 | 35 | 1 | 1 | 2 | 0.070 | 5 | 0 | 0.044 | 0.031 |
| 193312P | 008500 | MN | STEELE | SE 34TH AVE | OWATONNA | PASSIVE | 55 | 12 | 8 | 35 | 1 | 2 | 2 | 0.019 | 5 | 0 | 0.014 | 0.010 |
| 193377H | 008540 | MN | STEELE | CO RD 71 | OWATONNA | PASSIVE | 155 | 12 | 8 | 35 | 1 | 1 | 2 | 0.051 | 5 | 0 | 0.034 | 0.024 |
| 193382E | 8740 | MN | STEELE | RICE LAKE STREET | OWATONNA | FLASHING LIGHTS | 1500 | 12 | 8 | 35 | 1 | 1 | 2 | 0.080 | 5 | 0 | 0.048 | 0.026 |
| 380294J | 8750 | MN | STEELE | E. Vine St | OWATONNA | PASSIVE | 200 | 12 | 7.5 | 35 | 1 | 1 | 2 | 0.056 | 5 | 0 | 0.037 | 0.026 |
| 187034M | 8760 | MN | STEELE | Chestnut St | OWATONNA | PASSIVE | 200 | 12 | 7.5 | 35 | 1 | 2 | 1 | 0.031 | 5 | 0 | 0.022 | 0.016 |
| 187033F | 008776 | MN | STEELE | ROSE ST | OWATONNA | GATES | 3515 | 12 | 8 | 35 | 1 | 1 | 2 | 0.054 | 5 | 0 | 0.036 | 0.018 |
| 187032Y | 8780 | MN | STEELE | Pine Ave | OWATONNA | GATES | 2000 | 12 | 7.5 | 35 | 1 | 1 | 2 | 0.046 | 5 | 0 | 0.031 | 0.015 |
| Segment 3 Owatonna to Waseca MP 88.1 to 102.5 | | | | | | | | | | | | | | | | | | |
| 193383L | 8830 | MN | STEELE | ELM AVE | OWATONNA | FLASHING LIGHTS | 2515 | 14 | 9 | 35 | 4 | 1 | 4 | 0.273 | 5 | 0 | 0.104 | 0.055 |
| 193384T | 008840 | MN | STEELE | CEDAR AVE | OWATONNA | FLASHING LIGHTS | 6800 | 14 | 9 | 35 | 3 | 1 | 4 | 0.339 | 5 | 0 | 0.115 | 0.061 |
| 193388V | 008890 | MN | STEELE | STATE AVE | OWATONNA | FLASHING LIGHTS | 5600 | 14 | 9 | 35 | 1 | 1 | 2 | 0.148 | 5 | 0 | 0.074 | 0.039 |
| 193390W | 008950 | MN | STEELE | PARK DRIVE | OWATONNA | FLASHING LIGHTS | 125 | 14 | 9 | 35 | 1 | 1 | 2 | 0.031 | 5 | 0 | 0.022 | 0.012 |
| 193391D | 008970 | MN | STEELE | 24TH AVE. N.W. | OWATONNA | FLASHING LIGHTS | 2700 | 14 | 9 | 35 | 1 | 1 | 2 | 0.110 | 5 | 1 | 0.150 | 0.079 |
| 193392K | 009030 | MN | STEELE | 32ND AVE/ TWP 229 | OWATONNA | PASSIVE | 70 | 14 | 9 | 35 | 1 | 2 | 2 | 0.023 | 5 | 1 | 0.070 | 0.050 |
| 193394Y | 9250 | MN | STEELE | 52 AVE SW/ CO RD 17 | OWATONNA | PASSIVE | 290 | 14 | 9 | 35 | 1 | 1 | 4 | 0.070 | 5 | 0 | 0.044 | 0.031 |
| 193395F | 9350 | MN | STEELE | NW 62ND AVE | OWATONNA | PASSIVE | 100 | 14 | 9 | 35 | 1 | 1 | 4 | 0.047 | 5 | 0 | 0.032 | 0.023 |
| 193397U | 009640 | MN | STEELE | SW 92ND AVE | MERIDEN | PASSIVE | 555 | 14 | 9 | 35 | 1 | 1 | 2 | 0.089 | 5 | 1 | 0.135 | 0.096 |
| 193398B | 009780 | MN | WASECA | 178TH ST/ TWP 128 | MERIDEN | PASSIVE | 55 | 14 | 9 | 35 | 1 | 2 | 2 | 0.021 | 5 | 2 | 0.120 | 0.086 |
| 193399H | 009930 | MN | WASECA | GOOSE LAKE XING | WASECA | PASSIVE | 10 | 14 | 9 | 35 | 1 | 2 | 1 | 0.011 | 5 | 0 | 0.009 | 0.006 |
| 193400A | 010090 | MN | WASECA | 145TH ST/ CO RD 5 | WASECA | PASSIVE | 500 | 14 | 9 | 35 | 1 | 1 | 2 | 0.086 | 5 | 0 | 0.051 | 0.037 |
| 193403V | 010180 | MN | WASECA | 8TH STREET S.E. | WASECA | FLASHING LIGHTS | 2000 | 14 | 9 | 35 | 1 | 1 | 2 | 0.097 | 5 | 0 | 0.056 | 0.030 |
| 193404C | 010200 | MN | WASECA | 7TH STREET SE | WASECA | PASSIVE | 200 | 14 | 9 | 35 | 1 | 1 | 2 | 0.061 | 5 | 1 | 0.111 | 0.079 |
| 193405J | 010220 | MN | WASECA | 5TH ST. SE | WASECA | PASSIVE | 2700 | 14 | 9 | 35 | 1 | 1 | 2 | 0.160 | 5 | 0 | 0.078 | 0.056 |
| 193406R | 010250 | MN | WASECA | STATE ST. | WASECA | FLASHING LIGHTS | 7900 | 14 | 9 | 20 | 1 | 1 | 2 | 0.171 | 5 | 0 | 0.081 | 0.043 |
| Segment 4 Waseca to Walnut Grove MP 102.5 to 219 | | | | | | | | | | | | | | | | | | |
| 193314D | 010260 | MN | WASECA | 2ND ST. S.W. | WASECA | FLASHING LIGHTS | 1050 | 10 | 6 | 20 | 1 | 1 | 2 | 0.063 | 5 | 0 | 0.040 | 0.021 |
| 193315K | 010270 | MN | WASECA | 4TH ST. S.W. | WASECA | GATES | 2700 | 10 | 6 | 20 | 3 | 1 | 2 | 0.063 | 5 | 0 | 0.040 | 0.020 |
| 193317Y | 010340 | MN | WASECA | CO RD 57 | WASECA | FLASHING LIGHTS | 650 | 10 | 6 | 20 | 1 | 1 | 2 | 0.051 | 5 | 0 | 0.034 | 0.018 |

Pre-Construction Accident Prediction Summary
Minnesota 20 MNT
Alternative B

| FRA ID | MILEPOST | STATE | COUNTY | STREET | CITY | EXISTING DEVICE | ADT c | TRNS PER DAY t | NO. THRU TRNS/DAY DAYLIGHT d | MAX. TT SPEED (MPH) | NO. MAIN TRKS | HWY PAVED YES=1 NO=2 | NO. HWY LANES | BASIC FORMULA INITIAL (ACCIDENTS/YR) a | NO. YRS T | NO. OBSERVED ACCIDENTS 1993-1997 N | PREDICTED ACCIDENTS PER YR B | Estimated Annual Accident Frequency A |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 193318F | 010380 | MN | WASECA | Brown St/ CO RD 2 | WASECA | FLASHING LIGHTS | 2600 | 10 | 6 | 20 | 1 | 1 | 2 | 0.091 | 5 | 1 | 0.136 | 0.072 |
| 193320G | 010460 | MN | WASECA | Airport/ CO RD 27 | WASECA | PASSIVE | 810 | 10 | 6 | 20 | 1 | 1 | 2 | 0.076 | 5 | 0 | 0.047 | 0.033 |
| 193322V | 010620 | MN | WASECA | CO RD 52/ 95TH ST | WASECA | PASSIVE | 55 | 10 | 6 | 20 | 1 | 2 | 2 | 0.015 | 5 | 0 | 0.012 | 0.008 |
| 193324J | 010730 | MN | WASECA | 85TH ST/ TWP 161 | WASECA | PASSIVE | 55 | 10 | 6 | 35 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 193326X | 010850 | MN | WASECA | CO RD 17 | JANESVILLE | PASSIVE | 190 | 10 | 6 | 35 | 1 | 2 | 2 | 0.028 | 5 | 0 | 0.020 | 0.014 |
| 193328L | 010960 | MN | WASECA | 60TH STREET | JANESVILLE | PASSIVE | 10 | 10 | 6 | 35 | 1 | 2 | 2 | 0.009 | 5 | 0 | 0.007 | 0.005 |
| 193329T | 11020 | MN | WASECA | Twp 92 | JANESVILLE | PASSIVE | 20 | 10 | 6.25 | 35 | 1 | 1 | 2 | 0.022 | 5 | 0 | 0.016 | 0.011 |
| 193341A | 011090 | MN | WASECA | CO RD 33 & 66 | JANESVILLE | PASSIVE | 110 | 10 | 6 | 35 | 1 | 2 | 2 | 0.022 | 5 | 0 | 0.016 | 0.012 |
| 193342G | 11190 | MN | WASECA | County Road 53 | JANESVILLE | PASSIVE | 100 | 10 | 6 | 35 | 1 | 2 | 2 | 0.022 | 5 | 0 | 0.016 | 0.011 |
| 193344V | 011260 | MN | WASECA | TEAL ST | JANESVILLE | PASSIVE | 1100 | 10 | 6 | 20 | 4 | 1 | 2 | 0.085 | 5 | 0 | 0.051 | 0.036 |
| 193346J | 011280 | MN | WASECA | SOUTH MAIN STREET | JANESVILLE | GATES | 1900 | 10 | 6 | 20 | 3 | 1 | 2 | 0.056 | 5 | 0 | 0.037 | 0.018 |
| 193348X | 011300 | MN | WASECA | CRAIG ST | JANESVILLE | PASSIVE | 380 | 10 | 6 | 20 | 1 | 1 | 2 | 0.058 | 5 | 0 | 0.037 | 0.027 |
| 193349E | 011310 | MN | WASECA | S. SKOOKUM ST | JANESVILLE | PASSIVE | 380 | 10 | 6 | 20 | 1 | 2 | 2 | 0.032 | 5 | 0 | 0.022 | 0.016 |
| 193354B | 011510 | MN | WASECA | CO RD 60 | JANESVILLE | PASSIVE | 275 | 10 | 6 | 35 | 1 | 1 | 2 | 0.057 | 5 | 1 | 0.107 | 0.077 |
| 193356P | 011630 | MN | WASECA | CO RD 37 | JANESVILLE | PASSIVE | 565 | 10 | 6 | 35 | 1 | 1 | 2 | 0.075 | 5 | 1 | 0.123 | 0.088 |
| 193407X | 011660 | MN | BLUE EARTH | CO RD 184 | JANESVILLE | PASSIVE | 235 | 10 | 6 | 35 | 1 | 2 | 2 | 0.030 | 5 | 0 | 0.021 | 0.015 |
| 193410F | 11750 | MN | BLUE EARTH | Twp 313 | JANESVILLE | PASSIVE | 100 | 10 | 6 | 35 | 1 | 2 | 2 | 0.022 | 5 | 0 | 0.016 | 0.011 |
| 193408E | 011870 | MN | BLUE EARTH | CO RD 185 | EAGLE LAKE | PASSIVE | 85 | 10 | 6 | 35 | 1 | 2 | 2 | 0.020 | 5 | 0 | 0.015 | 0.011 |
| 193411M | 011980 | MN | BLUE EARTH | TWP 325 | EAGLE LAKE | PASSIVE | 73 | 10 | 6 | 35 | 1 | 2 | 2 | 0.019 | 5 | 0 | 0.014 | 0.010 |
| 193414H | 012080 | MN | BLUE EARTH | TWP 332 | EAGLE LAKE | PASSIVE | 39 | 10 | 6 | 35 | 1 | 1 | 2 | 0.028 | 5 | 0 | 0.020 | 0.014 |
| 193509R | 14720 | MN | BLUE EARTH | Twp. 461 | | PASSIVE | 100 | 10 | 6 | 20 | 1 | 2 | 1 | 0.019 | 5 | 0 | 0.014 | 0.010 |
| 193480V | 14890 | MN | BLUE EARTH | JUDSON FORT RD/ TW | MANKATO | PASSIVE | 52 | 10 | 6 | 35 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 193481C | 14980 | MN | BLUE EARTH | CSAH 42 | MANKATO | PASSIVE | 970 | 10 | 6 | 35 | 2 | 1 | 2 | 0.091 | 5 | 0 | 0.054 | 0.038 |
| 193482J | 14990 | MN | BLUE EARTH | PART ST/ TWP 245 | MANKATO | PASSIVE | 60 | 10 | 6 | 35 | 3 | 1 | 2 | 0.033 | 5 | 0 | 0.023 | 0.017 |
| 193483R | 15020 | MN | BLUE EARTH | PRAIRIE ST/ TWP 249 | MANKATO | PASSIVE | 55 | 10 | 6 | 35 | 3 | 2 | 1 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 193484X | 15630 | MN | BLUE EARTH | CSAH 6 | NEW ULM | PASSIVE | 160 | 10 | 6 | 35 | 1 | 1 | 2 | 0.047 | 5 | 0 | 0.032 | 0.023 |
| 193485E | 15660 | MN | BLUE EARTH | TWP 236 | NEW ULM | PASSIVE | 80 | 10 | 6 | 35 | 1 | 1 | 2 | 0.036 | 5 | 0 | 0.025 | 0.018 |
| 193487T | 15810 | MN | BLUE EARTH | CSAH 45 | NEW ULM | FLASHING LIGHTS | 750 | 10 | 6 | 35 | 1 | 1 | 2 | 0.055 | 5 | 0 | 0.036 | 0.019 |
| 193571H | 16060 | MN | BROWN | TWP 97 | NEW ULM | PASSIVE | 100 | 10 | 6 | 20 | 1 | 2 | 2 | 0.019 | 5 | 0 | 0.014 | 0.010 |
| 193522E | 16270 | MN | BROWN | SHAG RD/ TWP 96 | NEW ULM | PASSIVE | 115 | 10 | 6 | 20 | 1 | 1 | 2 | 0.037 | 5 | 0 | 0.026 | 0.018 |
| 193523L | 16310 | MN | BROWN | TOWER RD | NEW ULM | PASSIVE | 50 | 10 | 6 | 20 | 1 | 1 | 2 | 0.023 | 5 | 1 | 0.071 | 0.051 |
| 193488A | 16410 | MN | BROWN | 20TH SOUTH ST. | NEW ULM | FLASHING LIGHTS | 5300 | 10 | 6 | 20 | 1 | 1 | 4 | 0.204 | 5 | 0 | 0.090 | 0.048 |
| 196260K | 16440 | MN | BROWN | SE 16th St | NEW ULM | PASSIVE | 630 | 10 | 6.25 | 20 | 1 | 2 | 2 | 0.033 | 5 | 0 | 0.023 | 0.017 |
| 196261S | 16460 | MN | BROWN | S 12th St. | NEW ULM | GATES | 800 | 10 | 6 | 20 | 1 | 1 | 2 | 0.038 | 5 | 0 | 0.026 | 0.013 |
| 193491H | 016490 | MN | BROWN | 7TH SOUTH ST. | NEW ULM | PASSIVE | 650 | 10 | 6 | 20 | 4 | 1 | 2 | 0.060 | 5 | 0 | 0.039 | 0.028 |
| 193492P | 16520 | MN | BROWN | 3RD SOUTH ST. | NEW ULM | FLASHING LIGHTS | 770 | 10 | 6 | 20 | 6 | 1 | 2 | 0.144 | 5 | 1 | 0.171 | 0.091 |
| 193493W | 016540 | MN | BROWN | 1ST SOUTH ST. | NEW ULM | FLASHING LIGHTS | 1400 | 10 | 6 | 20 | 1 | 1 | 2 | 0.082 | 5 | 0 | 0.049 | 0.026 |
| 193494D | 016550 | MN | BROWN | CENTER ST | NEW ULM | PASSIVE | 1200 | 10 | 6 | 20 | 2 | 1 | 2 | 0.088 | 5 | 2 | 0.215 | 0.154 |
| 193525A | 016558 | MN | BROWN | FIRST STREET | NEW ULM | PASSIVE | 630 | 10 | 6 | 20 | 1 | 1 | 2 | 0.059 | 5 | 1 | 0.109 | 0.078 |
| 193537U | 16570 | MN | BROWN | 3RD NORTH ST. | NEW ULM | FLASHING LIGHTS | 1750 | 10 | 6 | 35 | 1 | 1 | 2 | 0.077 | 5 | 1 | 0.125 | 0.066 |
| 193536M | 16680 | MN | BROWN | MINNESOTA ST&17TH | NEW ULM | FLASHING LIGHTS | 970 | 10 | 6 | 35 | 1 | 1 | 2 | 0.061 | 5 | 0 | 0.039 | 0.021 |
| 911203V | 16720 | MN | BROWN | N. 20th St. | NEW ULM | FLASHING LIGHTS | 3500 | 10 | 6 | 35 | 1 | 1 | 2 | 0.134 | 5 | 0 | 0.070 | 0.037 |
| 193560N | 16800 | MN | BROWN | BOUNDARY ST./N 23 | NEW ULM | PASSIVE | 630 | 10 | 6 | 35 | 1 | 2 | 2 | 0.043 | 5 | 1 | 0.093 | 0.066 |
| 193572H | 016950 | MN | BROWN | CO RD 12 | NEW ULM | PASSIVE | 60 | 10 | 6 | 35 | 1 | 2 | 2 | 0.018 | 5 | 0 | 0.013 | 0.010 |
| 193573P | 017050 | MN | BROWN | TWP 128 | NEW ULM | PASSIVE | 55 | 10 | 6 | 35 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 193579F | 017150 | MN | BROWN | TWP 245 | ESSIG | PASSIVE | 55 | 10 | 6 | 35 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 193574W | 017250 | MN | BROWN | TWP 238 | ESSIG | PASSIVE | 40 | 10 | 6 | 35 | 1 | 2 | 2 | 0.015 | 5 | 0 | 0.012 | 0.008 |
| 193546T | 017310 | MN | BROWN | TWP 129 | ESSIG | PASSIVE | 80 | 10 | 6 | 35 | 1 | 2 | 2 | 0.020 | 5 | 0 | 0.015 | 0.011 |
| 193575D | 017360 | MN | BROWN | CO RD 11/Center St | ESSIG | PASSIVE | 355 | 10 | 6 | 35 | 1 | 1 | 2 | 0.063 | 5 | 0 | 0.040 | 0.029 |
| 193547A | 017370 | MN | BROWN | Essig W St/Twp 131 | ESSIG | PASSIVE | 780 | 10 | 6 | 35 | 1 | 1 | 2 | 0.084 | 5 | 0 | 0.050 | 0.036 |

Pre-Construction Accident Prediction Summary
Minnesota 20 MNT
Alternative B

| FRA ID | MILEPOST | STATE | COUNTY | STREET | CITY | EXISTING DEVICE | ADT c | TRNS PER DAY t | NO. THRU TRNS/DAY DAYLIGHT d | MAX. TT SPEED (MPH) | NO. MAIN TRKS | HWY PAVED YES=1 NO=2 | NO. HWY LANES | BASIC FORMULA INITIAL (ACCIDENTS/YR) a | NO. YRS T | NO. OBSERVED ACCIDENTS 1993-1997 N | PREDICTED ACCIDENTS PER YR B | Estimated Annual Accident Frequency A |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 193548G | 017510 | MN | BROWN | TWP 141 | ESSIG | PASSIVE | 55 | 10 | 6 | 35 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 193577S | 17670 | MN | BROWN | CO RD 10 | ESSIG | PASSIVE | 160 | 10 | 6 | 35 | 1 | 1 | 2 | 0.047 | 5 | 0 | 0.032 | 0.023 |
| 193578Y | 017780 | MN | BROWN | TWP 225 | ESSIG | PASSIVE | 116 | 10 | 6 | 35 | 1 | 2 | 2 | 0.018 | 5 | 1 | 0.064 | 0.046 |
| 193558M | 017970 | MN | BROWN | 1ST AVE. | SLEEPY EYE | FLASHING LIGHTS | 3100 | 10 | 6 | 20 | 4 | 1 | 2 | 0.173 | 5 | 0 | 0.082 | 0.043 |
| 193557F | 017980 | MN | BROWN | 2ND AVE | SLEEPY EYE | FLASHING LIGHTS | 380 | 10 | 6 | 20 | 4 | 1 | 2 | 0.085 | 5 | 0 | 0.051 | 0.027 |
| 193584C | 017990 | MN | BROWN | 4TH AVE SE/ CSAH | SLEEPY EYE | PASSIVE | 900 | 10 | 6 | 20 | 1 | 1 | 2 | 0.079 | 5 | 0 | 0.048 | 0.034 |
| 193553D | 018040 | MN | BROWN | 9TH AVE SE | SLEEPY EYE | PASSIVE | 580 | 10 | 6 | 20 | 1 | 1 | 2 | 0.067 | 5 | 1 | 0.116 | 0.083 |
| 193554K | 018090 | MN | BROWN | Golf Course/Twp 218 | SLEEPY EYE | PASSIVE | 55 | 10 | 6 | 20 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 193588E | 018280 | MN | BROWN | TWP 138 | SLEEPY EYE | PASSIVE | 40 | 10 | 6 | 35 | 1 | 2 | 2 | 0.015 | 5 | 0 | 0.012 | 0.008 |
| 193589L | 018380 | MN | BROWN | CO RD 8 | SLEEPY EYE | PASSIVE | 600 | 10 | 6 | 35 | 1 | 1 | 2 | 0.076 | 5 | 2 | 0.202 | 0.144 |
| 193590F | 018600 | MN | BROWN | CO RD 7 | COBDEN | PASSIVE | 130 | 10 | 6 | 35 | 1 | 1 | 2 | 0.043 | 5 | 0 | 0.030 | 0.021 |
| 193591M | 018610 | MN | BROWN | CENTER ST | COBDEN | PASSIVE | 380 | 10 | 6 | 35 | 1 | 2 | 2 | 0.036 | 5 | 0 | 0.025 | 0.018 |
| 193592U | 018700 | MN | BROWN | TWP 3 | COBDEN | PASSIVE | 48 | 10 | 6 | 35 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.012 | 0.009 |
| 193594H | 018870 | MN | BROWN | TWP 191 | COBDEN | PASSIVE | 55 | 10 | 6 | 35 | 1 | 2 | 2 | 0.013 | 5 | 0 | 0.010 | 0.007 |
| 193595P | 018940 | MN | BROWN | MN HWY 258 | SPRINGFIELD | FLASHING LIGHTS | 480 | 10 | 6 | 35 | 1 | 1 | 2 | 0.059 | 5 | 0 | 0.038 | 0.020 |
| 193596W | 019050 | MN | BROWN | TWP 90 | SPRINGFIELD | PASSIVE | 55 | 10 | 6 | 35 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 193610P | 019140 | MN | BROWN | TWP 85 | SPRINGFIELD | PASSIVE | 55 | 10 | 6 | 35 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 911204C | 19260 | MN | BROWN | Cnty Rd 5 | SPRINGFIELD | PASSIVE | 1250 | 10 | 6.25 | 35 | 1 | 1 | 2 | 0.100 | 5 | 1 | 0.143 | 0.102 |
| 193612D | 19270 | MN | BROWN | SANDBORN ST | SPRINGFIELD | PASSIVE | 200 | 10 | 6.25 | 35 | 1 | 2 | 2 | 0.025 | 5 | 0 | 0.018 | 0.013 |
| 193613K | 019290 | MN | BROWN | WASHINGTON AVE. | SPRINGFIELD | PASSIVE | 380 | 10 | 6 | 20 | 1 | 1 | 2 | 0.058 | 5 | 0 | 0.037 | 0.027 |
| 193599S | 019300 | MN | BROWN | LINCOLN ST | SPRINGFIELD | PASSIVE | 380 | 10 | 6 | 20 | 3 | 1 | 2 | 0.049 | 5 | 0 | 0.033 | 0.024 |
| 193614S | 019310 | MN | BROWN | CASS AVE. | SPRINGFIELD | FLASHING LIGHTS | 1650 | 10 | 6 | 20 | 2 | 1 | 2 | 0.106 | 5 | 0 | 0.060 | 0.032 |
| 193616F | 019330 | MN | BROWN | OCONNELL AVE. | SPRINGFIELD | PASSIVE | 1000 | 10 | 6 | 20 | 3 | 1 | 2 | 0.082 | 5 | 1 | 0.129 | 0.092 |
| 193600J | 019360 | MN | BROWN | BURNS AVE | SPRINGFIELD | PASSIVE | 380 | 10 | 6 | 20 | 1 | 1 | 2 | 0.049 | 5 | 0 | 0.033 | 0.024 |
| 193859H | 019410 | MN | BROWN | CO RD 4 | SPRINGFIELD | FLASHING LIGHTS | 600 | 10 | 6 | 20 | 1 | 1 | 2 | 0.063 | 5 | 0 | 0.040 | 0.021 |
| 193710U | 019760 | MN | BROWN | CO RD 2 | SANBORN | PASSIVE | 160 | 10 | 6 | 30 | 1 | 1 | 2 | 0.042 | 5 | 0 | 0.029 | 0.020 |
| 193711B | 020050 | MN | REDWOOD | TWP 2 | SANBORN | PASSIVE | 56 | 10 | 6 | 20 | 1 | 2 | 2 | 0.016 | 5 | 0 | 0.012 | 0.008 |
| 193664V | 020080 | MN | REDWOOD | TWP 153 | SANBORN | PASSIVE | 146 | 10 | 6 | 20 | 1 | 2 | 2 | 0.019 | 5 | 0 | 0.014 | 0.010 |
| 197897F | 020170 | MN | REDWOOD | MAIN ST. | SANBORN | FLASHING LIGHTS | 1300 | 10 | 6 | 20 | 4 | 1 | 2 | 0.142 | 5 | 0 | 0.072 | 0.038 |
| 197896Y | 020180 | MN | REDWOOD | SOUTH ST. | SANBORN | PASSIVE | 380 | 10 | 6 | 20 | 4 | 2 | 2 | 0.037 | 5 | 0 | 0.026 | 0.018 |
| 193669E | 020260 | MN | REDWOOD | TWP 149 | SANBORN | PASSIVE | 73 | 10 | 6 | 40 | 1 | 2 | 2 | 0.019 | 5 | 0 | 0.014 | 0.010 |
| 193671F | 020370 | MN | REDWOOD | TWP 147 & 148 | SANBORN | PASSIVE | 55 | 10 | 6 | 35 | 1 | 2 | 2 | 0.013 | 5 | 0 | 0.010 | 0.007 |
| 197895S | 020880 | MN | REDWOOD | MAIN ST. | LAMBERTON | FLASHING LIGHTS | 380 | 10 | 6 | 35 | 3 | 1 | 2 | 0.060 | 5 | 0 | 0.039 | 0.021 |
| 197894K | 020910 | MN | REDWOOD | ILEX ST./CO RD 6 | LAMBERTON | FLASHING LIGHTS | 1300 | 10 | 6 | 35 | 2 | 1 | 2 | 0.108 | 5 | 0 | 0.060 | 0.032 |
| 193712H | 21090 | MN | REDWOOD | TWP 190 | LAMBERTON | PASSIVE | 55 | 10 | 6 | 35 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 193713P | 021300 | MN | REDWOOD | TWP 184 | REVERE | PASSIVE | 99 | 10 | 6 | 35 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.012 | 0.009 |
| 197789J | 021370 | MN | REDWOOD | MAIN ST./CO RD 127 | REVERE | FLASHING LIGHTS | 510 | 10 | 6 | 35 | 2 | 1 | 2 | 0.074 | 5 | 0 | 0.046 | 0.024 |
| 193714W | 021410 | MN | REDWOOD | CO RD 7 | REVERE | PASSIVE | 320 | 10 | 6 | 35 | 1 | 1 | 2 | 0.061 | 5 | 0 | 0.039 | 0.028 |
| 193715D | 021500 | MN | REDWOOD | TWP 178 | REVERE | PASSIVE | 55 | 10 | 6 | 35 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 193716K | 021610 | MN | REDWOOD | CO RD 10 | WALNUT GROVE | PASSIVE | 125 | 10 | 6 | 35 | 1 | 1 | 2 | 0.043 | 5 | 0 | 0.029 | 0.021 |
| 193717S | 021710 | MN | REDWOOD | TWP 127 | WALNUT GROVE | PASSIVE | 44 | 10 | 6 | 35 | 1 | 2 | 2 | 0.016 | 5 | 0 | 0.012 | 0.009 |
| 193718Y | 021810 | MN | REDWOOD | CO RD 80 | WALNUT GROVE | PASSIVE | 530 | 10 | 6 | 35 | 1 | 1 | 2 | 0.073 | 5 | 0 | 0.045 | 0.032 |
| 193719F | 021880 | MN | REDWOOD | 1ST ST | WALNUT GROVE | PASSIVE | 49 | 10 | 6 | 35 | 1 | 2 | 2 | 0.013 | 5 | 1 | 0.057 | 0.041 |
| 197893D | 021900 | MN | REDWOOD | 6TH ST. | WALNUT GROVE | FLASHING LIGHTS | 900 | 10 | 6 | 35 | 2 | 1 | 2 | 0.000 | 5 | 0 | 0.000 | 0.000 |
| Segment 5 Walnut Grove to Tracy MP 219 to 226.6 | | | | | | | | | | | | | | | | | | |
| 197892W | 21920 | MN | REDWOOD | CO RD 5 | WALNUT GROVE | FLASHING LIGHTS | 1000 | 8 | 5 | 35 | 2 | 1 | 2 | 0.087 | 5 | 0 | 0.051 | 0.027 |
| 193721G | 022110 | MN | REDWOOD | CO RD 75 | WALNUT GROVE | PASSIVE | 40 | 8 | 5 | 35 | 1 | 2 | 2 | 0.014 | 5 | 0 | 0.010 | 0.007 |
| 193692Y | 022220 | MN | REDWOOD | TWP 160 | WALNUT GROVE | PASSIVE | 40 | 8 | 5 | 35 | 1 | 2 | 2 | 0.014 | 5 | 0 | 0.010 | 0.007 |

Pre-Construction Accident Prediction Summary
Minnesota 20 MNT
Alternative B

| FRA ID | MILEPOST | STATE | COUNTY | STREET | CITY | EXISTING DEVICE | ADT c | TRNS PER DAY t | NO. THRU TRNS/DAY DAYLIGHT d | MAX. TT SPEED (MPH) | NO. MAIN TRKS | HWY PAVED YES=1 NO=2 | NO. HWY LANES | BASIC FORMULA INITIAL (ACCIDENTS/YR) a | NO. YRS T | NO. OBSERVED ACCIDENTS 1993-1997 N | PREDICTED ACCIDENTS PER YR B | Estimated Annual Accident Frequency A |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 193694M | 022320 | MN | REDWOOD | TWP 158 | WALNUT GROVE | PASSIVE | 55 | 8 | 5 | 35 | 1 | 2 | 2 | 0.014 | 5 | 0 | 0.010 | 0.007 |
| 193696B | 022410 | MN | LYON | TWP 154 (County Line) | TRACY | PASSIVE | 55 | 8 | 5 | 20 | 1 | 2 | 2 | 0.014 | 5 | 0 | 0.010 | 0.007 |
| 193697H | 022510 | MN | LYON | TWP 18 | TRACY | PASSIVE | 37 | 8 | 5 | 20 | 1 | 2 | 2 | 0.010 | 5 | 0 | 0.008 | 0.006 |
| 193722N | 022650 | MN | LYON | CENTER ST | TRACY | GATES | 1450 | 8 | 5 | 30 | 5 | 1 | 4 | 0.084 | 5 | 0 | 0.050 | 0.025 |
| 193741T | 022660 | MN | LYON | 4TH ST. | TRACY | GATES | 2200 | 8 | 5 | 30 | 2 | 1 | 2 | 0.000 | 5 | 1 | 0.040 | 0.020 |
| Segment 6 Brookings to Tracy MP 226.6 to 290.0 | | | | | | | | | | | | | | | | | | |
| 193742A | 022720 | MN | LYON | HIGHLINE RD 73 | TRACY | PASSIVE | 650 | 10 | 6 | 30 | 1 | 1 | 2 | 0.076 | 5 | 0 | 0.047 | 0.033 |
| 193699W | 022800 | MN | LYON | CO RD 14 | TRACY | PASSIVE | 320 | 10 | 6 | 30 | 1 | 1 | 2 | 0.058 | 5 | 2 | 0.178 | 0.128 |
| 193700N | 022830 | MN | LYON | TWP 227 | TRACY | PASSIVE | 55 | 10 | 6 | 30 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 193702C | 022950 | MN | LYON | CO RD 14 | TRACY | PASSIVE | 225 | 10 | 6 | 30 | 1 | 1 | 2 | 0.051 | 5 | 0 | 0.034 | 0.024 |
| 193708T | 023150 | MN | LYON | TWP 217 | GARVIN | PASSIVE | 55 | 10 | 6 | 30 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 193709A | 023250 | MN | LYON | TWP 208 | GARVIN | PASSIVE | 55 | 10 | 6 | 30 | 1 | 2 | 2 | 0.013 | 5 | 0 | 0.010 | 0.007 |
| 193810Y | 023350 | MN | LYON | US HWY 59 | GARVIN | FLASHING LIGHTS | 1350 | 10 | 6 | 30 | 1 | 1 | 2 | 0.087 | 5 | 0 | 0.052 | 0.027 |
| 193757P | 023390 | MN | LYON | 1ST ST | GARVIN | PASSIVE | 55 | 10 | 6 | 30 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 193758W | 023450 | MN | LYON | TWP 201 | GARVIN | PASSIVE | 55 | 10 | 6 | 30 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 193759D | 023550 | MN | LYON | TWP 194 | GARVIN | PASSIVE | 55 | 10 | 6 | 30 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 193743G | 023660 | MN | LYON | CO RD 7 | BALATON | PASSIVE | 155 | 10 | 6 | 30 | 1 | 1 | 2 | 0.045 | 5 | 0 | 0.030 | 0.022 |
| 193744N | 023760 | MN | LYON | TWP 190 | BALATON | PASSIVE | 73 | 10 | 6 | 30 | 1 | 2 | 2 | 0.019 | 5 | 0 | 0.014 | 0.010 |
| 193745V | 023860 | MN | LYON | TWP 27 | BALATON | PASSIVE | 5 | 10 | 6 | 30 | 1 | 2 | 2 | 0.005 | 5 | 0 | 0.004 | 0.003 |
| 193797M | 023940 | MN | LYON | 2ND ST. SW | BALATON | FLASHING LIGHTS | 1050 | 10 | 6 | 35 | 2 | 1 | 2 | 0.076 | 5 | 1 | 0.124 | 0.065 |
| 193748R | 023990 | MN | LYON | CO RD 5 | BALATON | FLASHING LIGHTS | 710 | 10 | 6 | 30 | 1 | 1 | 2 | 0.067 | 5 | 0 | 0.042 | 0.022 |
| 193751Y | 024180 | MN | LYON | TWP 14 | BALATON | PASSIVE | 38 | 10 | 6 | 30 | 1 | 2 | 2 | 0.015 | 5 | 0 | 0.011 | 0.008 |
| 193752F | 024230 | MN | LYON | TWP 176 | BALATON | PASSIVE | 45 | 10 | 6 | 30 | 1 | 2 | 2 | 0.016 | 5 | 0 | 0.012 | 0.008 |
| 193753M | 024330 | MN | LYON | TWP 244 | BALATON | PASSIVE | 55 | 10 | 6 | 30 | 1 | 2 | 2 | 0.013 | 5 | 0 | 0.010 | 0.007 |
| 193755B | 024440 | MN | LYON | MN HWY 91 | BALATON | FLASHING LIGHTS | 495 | 10 | 6 | 30 | 1 | 1 | 2 | 0.058 | 5 | 0 | 0.038 | 0.020 |
| 193725J | 024590 | MN | LYON | TWP 15 | BALATON | PASSIVE | 55 | 10 | 6 | 30 | 1 | 1 | 2 | 0.030 | 5 | 0 | 0.022 | 0.016 |
| 193726R | 024640 | MN | LYON | CO RD 13 | TYLER | PASSIVE | 50 | 10 | 6 | 30 | 1 | 1 | 2 | 0.029 | 5 | 0 | 0.021 | 0.015 |
| 193730F | 024920 | MN | LYON | TWP 262 | TYLER | PASSIVE | 16 | 10 | 6 | 30 | 1 | 2 | 2 | 0.011 | 5 | 0 | 0.008 | 0.006 |
| 193732U | 024980 | MN | LYON | CO RD 51 | TYLER | PASSIVE | 15 | 10 | 6 | 30 | 1 | 2 | 2 | 0.010 | 5 | 0 | 0.008 | 0.006 |
| 193734H | 025180 | MN | LINCOLN | TWP 82 | TYLER | PASSIVE | 55 | 10 | 6 | 30 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 193736W | 025290 | MN | LINCOLN | CO RD 115 | TYLER | PASSIVE | 380 | 10 | 6 | 30 | 1 | 2 | 2 | 0.034 | 5 | 0 | 0.024 | 0.017 |
| 193798U | 025340 | MN | LINCOLN | WILLOW ST | TYLER | PASSIVE | 380 | 10 | 6 | 30 | 1 | 1 | 2 | 0.049 | 5 | 1 | 0.099 | 0.071 |
| 193799B | 025350 | MN | LINCOLN | TYLER ST | TYLER | GATES | 3150 | 10 | 6 | 30 | 2 | 1 | 2 | 0.056 | 5 | 0 | 0.037 | 0.018 |
| 193800T | 025380 | MN | LINCOLN | CO RD 8 | TYLER | GATES | 1000 | 10 | 6 | 30 | 2 | 1 | 2 | 0.051 | 5 | 0 | 0.034 | 0.017 |
| 193737D | 025490 | MN | LINCOLN | TWP 90 | TYLER | PASSIVE | 59 | 10 | 6 | 30 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 193740L | 025590 | MN | LINCOLN | TWP 96 | TYLER | PASSIVE | 55 | 10 | 6 | 30 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 193761E | 025690 | MN | LINCOLN | CO RD 111 | TYLER | PASSIVE | 95 | 10 | 6 | 30 | 1 | 2 | 2 | 0.020 | 5 | 0 | 0.015 | 0.011 |
| 193762L | 025790 | MN | LINCOLN | TWP 100 | LAKE BENTON | PASSIVE | 55 | 10 | 6 | 30 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 193764A | 025900 | MN | LINCOLN | TWP 104 | LAKE BENTON | PASSIVE | 55 | 10 | 6 | 30 | 1 | 2 | 2 | 0.013 | 5 | 0 | 0.010 | 0.007 |
| 193801A | 026160 | MN | LINCOLN | CENTER ST. | LAKE BENTON | GATES | 1100 | 10 | 6 | 30 | 1 | 1 | 2 | 0.045 | 5 | 0 | 0.030 | 0.015 |
| 193802G | 026190 | MN | LINCOLN | BENTON ST. | LAKE BENTON | PASSIVE | 450 | 10 | 6 | 30 | 1 | 1 | 2 | 0.066 | 5 | 1 | 0.115 | 0.083 |
| 193768C | 026330 | MN | LINCOLN | TWP 100 | LAKE BENTON | PASSIVE | 55 | 10 | 6 | 30 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 193769J | 026480 | MN | LINCOLN | TWP 7 | LAKE BENTON | PASSIVE | 55 | 10 | 6 | 30 | 1 | 2 | 2 | 0.013 | 5 | 0 | 0.010 | 0.007 |
| 193770D | 026590 | MN | LINCOLN | CO RD 9 | VERDI | FLASHING LIGHTS | 450 | 10 | 6 | 30 | 1 | 1 | 2 | 0.056 | 5 | 0 | 0.036 | 0.019 |
| 193771K | 026730 | MN | LINCOLN | TWP 125 | VERDI | PASSIVE | 50 | 10 | 6 | 30 | 1 | 2 | 2 | 0.016 | 5 | 0 | 0.012 | 0.009 |
| 193773Y | 026750 | MN | LINCOLN | CO RD 9 | VERDI | PASSIVE | 150 | 10 | 6 | 30 | 1 | 1 | 2 | 0.044 | 5 | 0 | 0.030 | 0.021 |
| 193772S | 026780 | MN | LINCOLN | MAIN STREET | VERDI | PASSIVE | 23 | 10 | 6 | 30 | 1 | 2 | 2 | 0.012 | 5 | 0 | 0.009 | 0.007 |
| 193776U | 026830 | MN | LINCOLN | CO RD 2 | VERDI | PASSIVE | 75 | 10 | 6 | 30 | 1 | 1 | 2 | 0.034 | 5 | 0 | 0.024 | 0.017 |

Pre-Construction Accident Prediction Summary
Minnesota 20 MNT
Alternative B

| FRA ID | MILEPOST | STATE | COUNTY | STREET | CITY | EXISTING DEVICE | ADT c | TRNS PER DAY t | NO. THRU TRNS/DAY DAYLIGHT d | MAX. TT SPEED (MPH) | NO. MAIN TRKS | HWY PAVED YES=1 NO=2 | NO. HWY LANES | BASIC FORMULA INITIAL (ACCIDENTS/YR) a | NO. YRS T | NO. OBSERVED ACCIDENTS 1993-1997 N | PREDICTED ACCIDENTS PER YR B | Estimated Annual Accident Frequency A |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 193780J | 026940 | MN | LINCOLN | TWP 132 | VERDI | PASSIVE | 720 | 10 | 6 | 30 | 1 | 2 | 2 | 0.043 | 5 | 0 | 0.030 | 0.021 |
| 193782X | 27040 | MN | LINCOLN | TWP 133 | ELKTON | PASSIVE | 40 | 10 | 6 | 30 | 1 | 1 | 2 | 0.027 | 5 | 0 | 0.020 | 0.014 |
| 193783E | 27140 | MN | LINCOLN | CO RD 1 | ELKTON | PASSIVE | 110 | 10 | 6 | 30 | 1 | 1 | 2 | 0.039 | 5 | 0 | 0.027 | 0.019 |
| 193784L | 027250 | MN | LINCOLN | TWP 138 | ELKTON | PASSIVE | 44 | 10 | 6 | 30 | 1 | 2 | 2 | 0.000 | 5 | 0 | 0.000 | 0.000 |

Post-Construction Accident Prediction Summary
Minnesota 20 MNT
Alternative B

| FRA ID | MILEPOST | STATE | COUNTY | STREET | CITY | EXISTING DEVICE | PROPOSED DEVICE | ADT c | TRNS PER DAY t | NO. THRU TRNS/DAY DAYLIGHT d | MAX. TT SPEED (MPH) | NO. MAIN TRKS | HWY PAVED YES=1 NO=2 | NO. HWY LANES | BASIC FORMULA INITIAL (ACCIDENTS/YR) a | NO. YRS T | NO. OBSERVED ACCIDENTS 1993-1997 N | PREDICTED ACCIDENTS PER YR B | Estimated Annual Accident Frequency A |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Segment 1 Winona to Lewiston MP 0 to 18.4** | | | | | | | | | | | | | | | | | | | |
| 19317H | 520 | MN | WINONA | MARTINA & 11th | WINONA | PASSIVE | PASSIVE | 460 | 11 | 6.88 | 49 | 2 | 2 | 1 | 0.045 | 5 | 0 | 0.030 | 0.022 |
| 193197K | 620 | MN | WINONA | Canton Mills | WINONA | PASSIVE | PASSIVE | 100 | 11 | 6.88 | 49 | 2 | 2 | 1 | 0.025 | 5 | 0 | 0.018 | 0.013 |
| 193200R | 000860 | MN | WINONA | CO RD 23 | MINNESOTA CITY | FLASHING LIGHTS | FLASHING LIGHTS | 2500 | 11 | 6.88 | 49 | 2 | 1 | 2 | 0.114 | 5 | 0 | 0.063 | 0.033 |
| 193176S | 000930 | MN | WINONA | CO RD 6 | STOCKTON | PASSIVE | PASSIVE | 55 | 11 | 6.88 | 49 | 2 | 2 | 2 | 0.020 | 5 | 0 | 0.015 | 0.011 |
| 193201X | 001110 | MN | WINONA | Main St/ CO RD 23 | STOCKTON | FLASHING LIGHTS | FLASHING LIGHTS | 1750 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.081 | 5 | 0 | 0.049 | 0.026 |
| 193206G | 001680 | MN | WINONA | Dutchman/ TWP 1 | LEWISTON | PASSIVE | PASSIVE | 55 | 11 | 6.88 | 25 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 193207N | 001780 | MN | WINONA | CO RD 25 | LEWISTON | FLASHING LIGHTS | FLASHING LIGHTS | 1850 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.083 | 5 | 0 | 0.050 | 0.026 |
| 193209C | 001840 | MN | WINONA | FREMONT STREET | LEWISTON | GATES | GATES | 1700 | 11 | 6.88 | 49 | 2 | 1 | 2 | 0.049 | 5 | 0 | 0.033 | 0.016 |
| **Segment 2 Lewiston to Owatonna MP 18.4 to 88.1** | | | | | | | | | | | | | | | | | | | |
| 193210W | 1900 | MN | WINONA | Golf Crossing | UTICA | PASSIVE | PASSIVE | 55 | 11 | 6.88 | 49 | 1 | 2 | 1 | 0.020 | 5 | 0 | 0.015 | 0.011 |
| 193211D | 002090 | MN | WINONA | TWP 13 | UTICA | PASSIVE | PASSIVE | 55 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.020 | 5 | 0 | 0.015 | 0.011 |
| 193247L | 002190 | MN | WINONA | CO RD 18 | UTICA | PASSIVE | PASSIVE | 200 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.060 | 5 | 0 | 0.039 | 0.028 |
| 193248T | 002270 | MN | WINONA | CENTER STREET | UTICA | FLASHING LIGHTS | FLASHING LIGHTS | 950 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.063 | 5 | 2 | 0.185 | 0.098 |
| 193249A | 2300 | MN | WINONA | 2nd. AVE | UTICA | PASSIVE | PASSIVE | 39 | 11 | 6.88 | 49 | 1 | 2 | 1 | 0.018 | 5 | 0 | 0.013 | 0.010 |
| 193250U | 002400 | MN | WINONA | TWP 5 | UTICA | PASSIVE | PASSIVE | 55 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.020 | 5 | 0 | 0.015 | 0.011 |
| 193251B | 2540 | MN | WINONA | CO RD 37 | UTICA | PASSIVE | PASSIVE | 180 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.032 | 5 | 0 | 0.022 | 0.016 |
| 193253P | 002650 | MN | WINONA | TWP 13 | ST CHARLES | PASSIVE | PASSIVE | 55 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.020 | 5 | 0 | 0.015 | 0.011 |
| 193193H | 2780 | MN | WINONA | TERRY DRIVE | ST CHARLES | PASSIVE | PASSIVE | 500 | 11 | 6.88 | 49 | 2 | 2 | 2 | 0.046 | 5 | 0 | 0.031 | 0.022 |
| 193254W | 002820 | MN | WINONA | RICHLAND AVE | ST CHARLES | PASSIVE | PASSIVE | 380 | 11 | 6.88 | 49 | 2 | 1 | 2 | 0.076 | 5 | 0 | 0.046 | 0.033 |
| 193255D | 002840 | MN | WINONA | WHITEWATER | ST CHARLES | GATES | GATES | 4050 | 11 | 6.88 | 49 | 2 | 1 | 4 | 0.084 | 5 | 0 | 0.050 | 0.025 |
| 193256K | 002850 | MN | WINONA | ST. CHARLES AVE | ST CHARLES | PASSIVE | PASSIVE | 780 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.099 | 5 | 0 | 0.057 | 0.041 |
| 193257S | 002870 | MN | WINONA | W. 11TH STREET | ST CHARLES | PASSIVE | PASSIVE | 480 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.083 | 5 | 0 | 0.050 | 0.036 |
| 193194P | 2900 | MN | WINONA | CO RD 126/ WEST END | ST CHARLES | PASSIVE | PASSIVE | 380 | 11 | 6.88 | 49 | 2 | 1 | 2 | 0.076 | 5 | 0 | 0.046 | 0.033 |
| 193258Y | 003010 | MN | OLMSTED | TWP 668 | ST CHARLES | PASSIVE | PASSIVE | 25 | 11 | 6.88 | 49 | 2 | 2 | 2 | 0.015 | 5 | 0 | 0.011 | 0.008 |
| 193259F | 003040 | MN | OLMSTED | 19TH Ave SE/TWP 591 | DOVER | PASSIVE | PASSIVE | 25 | 11 | 6.88 | 49 | 2 | 2 | 2 | 0.015 | 5 | 0 | 0.011 | 0.008 |
| 193195W | 003090 | MN | OLMSTED | TWP 667 | DOVER | PASSIVE | PASSIVE | 25 | 11 | 6.88 | 49 | 2 | 2 | 1 | 0.015 | 5 | 0 | 0.011 | 0.008 |
| 193260A | 003220 | MN | OLMSTED | CHATFIELD STREET | DOVER | FLASHING LIGHTS | FLASHING LIGHTS | 1300 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.072 | 5 | 1 | 0.120 | 0.064 |
| 193261G | 003420 | MN | OLMSTED | CSAH 32 | DOVER | PASSIVE | PASSIVE | 200 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.033 | 5 | 0 | 0.023 | 0.017 |
| 193262N | 003530 | MN | OLMSTED | 140TH AVE/TWP 90 | EYOTA | PASSIVE | PASSIVE | 50 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.020 | 5 | 0 | 0.015 | 0.010 |
| 193263V | 003680 | MN | OLMSTED | Center Ave/ CSAH 7 | EYOTA | GATES | GATES | 2300 | 11 | 6.88 | 49 | 3 | 1 | 4 | 0.083 | 5 | 0 | 0.050 | 0.024 |
| 193289X | 006130 | MN | DODGE | CO RD 15 | BYRON | PASSIVE | PASSIVE | 670 | 11 | 6.88 | 49 | 2 | 1 | 2 | 0.093 | 5 | 1 | 0.138 | 0.099 |
| 193290S | 006230 | MN | DODGE | TWP 30 | KASSON | PASSIVE | PASSIVE | 55 | 11 | 6.88 | 49 | 2 | 2 | 2 | 0.020 | 5 | 0 | 0.015 | 0.011 |
| 193291Y | 006350 | MN | DODGE | MANTORVILLE AVE. | KASSON | GATES | GATES | 2750 | 11 | 6.88 | 49 | 2 | 1 | 2 | 0.056 | 5 | 0 | 0.037 | 0.018 |
| 193292F | 006360 | MN | DODGE | SECOND AVE N.W. | KASSON | PASSIVE | PASSIVE | 610 | 11 | 6.88 | 49 | 2 | 1 | 2 | 0.090 | 5 | 0 | 0.053 | 0.038 |
| 193293M | 006370 | MN | DODGE | THIRD AVE NW | KASSON | PASSIVE | PASSIVE | 360 | 11 | 6.88 | 49 | 2 | 1 | 2 | 0.074 | 5 | 0 | 0.046 | 0.033 |
| 193294U | 006430 | MN | DODGE | EIGHTH AVE. N.W. | KASSON | PASSIVE | PASSIVE | 860 | 11 | 6.88 | 49 | 3 | 1 | 2 | 0.102 | 5 | 0 | 0.058 | 0.042 |
| 196630L | 006520 | MN | DODGE | US HWY 14 | KASSON | FLASHING LIGHTS | FLASHING LIGHTS | 7900 | 11 | 6.88 | 49 | 2 | 1 | 2 | 0.182 | 5 | 0 | 0.084 | 0.045 |
| 193296H | 006530 | MN | DODGE | CO RD 34/ TWP 134 | KASSON | PASSIVE | PASSIVE | 60 | 11 | 6.88 | 49 | 2 | 2 | 2 | 0.021 | 5 | 0 | 0.016 | 0.011 |
| 193357W | 006630 | MN | DODGE | CO RD 9 | KASSON | PASSIVE | PASSIVE | 540 | 11 | 6.88 | 49 | 2 | 1 | 2 | 0.086 | 5 | 0 | 0.051 | 0.037 |
| 193358D | 006740 | MN | DODGE | TWP 139 | DODGE CENTER | PASSIVE | PASSIVE | 45 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.019 | 5 | 0 | 0.014 | 0.010 |
| 193359K | 006840 | MN | DODGE | AIRPORT DRIVE S. | DODGE CENTER | PASSIVE | PASSIVE | 135 | 11 | 6.88 | 49 | 2 | 1 | 2 | 0.052 | 5 | 0 | 0.034 | 0.025 |
| 193297P | 006890 | MN | DODGE | 4TH AVE. S.E. | DODGE CENTER | PASSIVE | PASSIVE | 380 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.042 | 5 | 2 | 0.154 | 0.110 |
| 193360E | 006900 | MN | DODGE | SECOND AVE. S.E. | DODGE CENTER | PASSIVE | PASSIVE | 380 | 11 | 6.88 | 49 | 2 | 1 | 2 | 0.076 | 5 | 0 | 0.046 | 0.033 |
| 193361L | 006910 | MN | DODGE | FIRST AVE. S.E. | DODGE CENTER | PASSIVE | PASSIVE | 380 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.076 | 5 | 0 | 0.046 | 0.033 |
| 193298W | 006920 | MN | DODGE | CENTRAL AVE | DODGE CENTER | PASSIVE | PASSIVE | 380 | 11 | 6.88 | 49 | 2 | 1 | 2 | 0.076 | 5 | 1 | 0.124 | 0.089 |
| 193362T | 006930 | MN | DODGE | FIRST AVE S.W. | DODGE CENTER | PASSIVE | PASSIVE | 380 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.076 | 5 | 0 | 0.046 | 0.033 |

Post-Construction Accident Prediction Summary
Minnesota 20 MNT
Alternative B

| FRA ID | MILEPOST | STATE | COUNTY | STREET | CITY | EXISTING DEVICE | PROPOSED DEVICE | ADT c | TRNS PER DAY t | NO. THRU TRNS/DAY DAYLIGHT d | MAX. TT SPEED (MPH) | NO. MAIN TRKS | HWY PAVED YES=1 NO=2 | NO. HWY LANES | BASIC FORMULA INITIAL (ACCIDENTS/YR) a | NO. YRS T | NO. OBSERVED ACCIDENTS 1993-1997 N | PREDICTED ACCIDENTS PER YR B | Estimated Annual Accident Frequency A |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 193299D | 006940 | MN | DODGE | 2ND AVE. S.W. | DODGE CENTER | PASSIVE | PASSIVE | 380 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.076 | 5 | 0 | 0.046 | 0.033 |
| 193363A | 006950 | MN | DODGE | THIRD AVE NW/ TH 56 | DODGE CENTER | FLASHING LIGHTS | FLASHING LIGHTS | 3300 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.105 | 5 | 1 | 0.147 | 0.078 |
| 193300V | 007000 | MN | DODGE | CO RD H | DODGE CENTER | PASSIVE | PASSIVE | 500 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.084 | 5 | 0 | 0.050 | 0.036 |
| 193364G | 007140 | MN | DODGE | TWP 145 | DODGE CENTER | PASSIVE | PASSIVE | 55 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.020 | 5 | 0 | 0.015 | 0.011 |
| 193303R | 7190 | MN | DODGE | Twp 153 | DODGE CENTER | PASSIVE | PASSIVE | 10 | 11 | 7 | 49 | 1 | 2 | 2 | 0.011 | 5 | 0 | 0.008 | 0.006 |
| 193365N | 007270 | MN | DODGE | CO RD 5 | CLAREMONT | PASSIVE | PASSIVE | 310 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.070 | 5 | 0 | 0.044 | 0.031 |
| 193366V | 007320 | MN | DODGE | TWP 180 | CLAREMONT | PASSIVE | PASSIVE | 49 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.020 | 5 | 0 | 0.015 | 0.010 |
| 193367C | 7370 | MN | DODGE | TWP 154 | CLAREMONT | PASSIVE | PASSIVE | 55 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.020 | 5 | 0 | 0.015 | 0.011 |
| 193368J | 007480 | MN | DODGE | TWP 157 | CLAREMONT | PASSIVE | PASSIVE | 55 | 11 | 6.88 | 49 | 2 | 2 | 2 | 0.020 | 5 | 0 | 0.015 | 0.011 |
| 193369R | 007580 | MN | DODGE | CO RD 3 | CLAREMONT | PASSIVE | PASSIVE | 570 | 11 | 6.88 | 49 | 2 | 1 | 2 | 0.088 | 5 | 0 | 0.052 | 0.037 |
| 193370K | 007640 | MN | DODGE | ELM | CLAREMONT | PASSIVE | PASSIVE | 380 | 11 | 6.88 | 49 | 2 | 2 | 1 | 0.042 | 5 | 0 | 0.029 | 0.020 |
| 193371S | 007680 | MN | DODGE | CO RD 1 | CLAREMONT | PASSIVE | PASSIVE | 550 | 11 | 6.88 | 49 | 2 | 1 | 2 | 0.087 | 5 | 1 | 0.133 | 0.095 |
| 193307T | 007780 | MN | DODGE | TWP 171 | CLAREMONT | PASSIVE | PASSIVE | 55 | 11 | 6.88 | 49 | 2 | 2 | 2 | 0.020 | 5 | 0 | 0.015 | 0.011 |
| 193372Y | 007980 | MN | STEELE | CO RD 16/SE 84th Ave | CLAREMONT | PASSIVE | PASSIVE | 175 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.057 | 5 | 0 | 0.037 | 0.027 |
| 193373F | 008090 | MN | STEELE | SE 74TH AVE | CLAREMONT | PASSIVE | PASSIVE | 55 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.020 | 5 | 0 | 0.015 | 0.011 |
| 193311H | 8130 | MN | STEELE | SE 28th AVE | CLAREMONT | PASSIVE | PASSIVE | 55 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.020 | 5 | 0 | 0.015 | 0.011 |
| 193374M | 008180 | MN | STEELE | SE 64TH AVE | OWATONNA | PASSIVE | PASSIVE | 80 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.023 | 5 | 0 | 0.017 | 0.012 |
| 193375U | 008290 | MN | STEELE | US HWY 14 | OWATONNA | FLASHING LIGHTS | FLASHING LIGHTS | 4700 | 11 | 6.88 | 49 | 1 | 1 | 4 | 0.175 | 5 | 1 | 0.188 | 0.100 |
| 193376B | 008390 | MN | STEELE | SE 44th Ave/ CO RD 59 | OWATONNA | PASSIVE | PASSIVE | 365 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.075 | 5 | 0 | 0.046 | 0.033 |
| 193312P | 008500 | MN | STEELE | SE 34TH AVE | OWATONNA | PASSIVE | PASSIVE | 55 | 11 | 6.88 | 49 | 2 | 2 | 2 | 0.020 | 5 | 0 | 0.015 | 0.011 |
| 193377H | 008540 | MN | STEELE | CO RD 71 | OWATONNA | PASSIVE | PASSIVE | 155 | 11 | 6.88 | 49 | 2 | 1 | 2 | 0.054 | 5 | 0 | 0.036 | 0.026 |
| 193382E | 8740 | MN | STEELE | RICE LAKE STREET | OWATONNA | FLASHING LIGHTS | FLASHING LIGHTS | 1500 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.076 | 5 | 0 | 0.047 | 0.025 |
| 380294J | 8750 | MN | STEELE | E. Vine St | OWATONNA | PASSIVE | PASSIVE | 200 | 11 | 6.875 | 35 | 1 | 1 | 2 | 0.054 | 5 | 0 | 0.035 | 0.025 |
| 187034M | 8760 | MN | STEELE | Chestnut St | OWATONNA | PASSIVE | PASSIVE | 200 | 11 | 6.875 | 35 | 1 | 2 | 1 | 0.030 | 5 | 0 | 0.021 | 0.015 |
| 187033F | 008776 | MN | STEELE | ROSE ST | OWATONNA | GATES | GATES | 3515 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.052 | 5 | 0 | 0.035 | 0.017 |
| 187032Y | 8780 | MN | STEELE | Pine Ave | OWATONNA | GATES | GATES | 2000 | 11 | 6.875 | 35 | 1 | 1 | 2 | 0.044 | 5 | 0 | 0.030 | 0.015 |
| Segment 3 Owatonna to Waseca MP 88.1 to 102.5 | | | | | | | | | | | | | | | | | | | |
| 193383L | 8830 | MN | STEELE | ELM AVE | OWATONNA | FLASHING LIGHTS | FLASHING LIGHTS | 2515 | 11 | 6.88 | 49 | 4 | 1 | 4 | 0.241 | 5 | 0 | 0.098 | 0.052 |
| 193384T | 008840 | MN | STEELE | CEDAR AVE | OWATONNA | FLASHING LIGHTS | FLASHING LIGHTS | 6800 | 11 | 6.88 | 49 | 3 | 1 | 4 | 0.299 | 5 | 0 | 0.109 | 0.058 |
| 193388V | 008890 | MN | STEELE | STATE AVE | OWATONNA | FLASHING LIGHTS | FLASHING LIGHTS | 5600 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.131 | 5 | 0 | 0.069 | 0.036 |
| 193390W | 008950 | MN | STEELE | PARK DRIVE | OWATONNA | FLASHING LIGHTS | FLASHING LIGHTS | 125 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.027 | 5 | 0 | 0.020 | 0.010 |
| 193391D | 008970 | MN | STEELE | 24TH AVE. N.W. | OWATONNA | FLASHING LIGHTS | FLASHING LIGHTS | 2700 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.097 | 5 | 1 | 0.141 | 0.074 |
| 193392K | 009030 | MN | STEELE | 32ND AVE/TWP 229 | OWATONNA | PASSIVE | PASSIVE | 70 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.022 | 5 | 1 | 0.069 | 0.050 |
| 193394Y | 9250 | MN | STEELE | 52ND AVE SW | OWATONNA | PASSIVE | PASSIVE | 290 | 11 | 6.88 | 49 | 2 | 1 | 4 | 0.069 | 5 | 0 | 0.043 | 0.031 |
| 193395F | 9350 | MN | STEELE | NW 62ND AVE | OWATONNA | PASSIVE | PASSIVE | 100 | 11 | 6.88 | 49 | 2 | 1 | 4 | 0.046 | 5 | 0 | 0.031 | 0.022 |
| 193397U | 009640 | MN | STEELE | SW 92ND AVE | MERIDEN | PASSIVE | PASSIVE | 555 | 11 | 6.88 | 49 | 2 | 1 | 2 | 0.087 | 5 | 1 | 0.133 | 0.095 |
| 193398B | 009780 | MN | WASECA | 178th St/ TWP 128 | MERIDEN | PASSIVE | PASSIVE | 55 | 11 | 6.88 | 49 | 2 | 2 | 2 | 0.020 | 5 | 2 | 0.119 | 0.085 |
| 193399H | 009930 | MN | WASECA | Goose Lake Xing/ Twp 2 | WASECA | PASSIVE | PASSIVE | 10 | 11 | 6.88 | 49 | 1 | 2 | 1 | 0.011 | 5 | 0 | 0.008 | 0.006 |
| 193400A | 010090 | MN | WASECA | 145th St/ CO RD 5 | WASECA | FLASHING LIGHTS | FLASHING LIGHTS | 500 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.048 | 5 | 0 | 0.032 | 0.017 |
| 193403V | 010180 | MN | WASECA | 8TH STREET S.E. | WASECA | GATES | GATES | 2000 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.044 | 5 | 0 | 0.030 | 0.015 |
| 193404C | 010200 | MN | WASECA | 7TH STREET SE | WASECA | PASSIVE | PASSIVE | 200 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.060 | 5 | 1 | 0.109 | 0.078 |
| 193405J | 010220 | MN | WASECA | 5TH ST. SE | WASECA | PASSIVE | PASSIVE | 2700 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.156 | 5 | 0 | 0.077 | 0.055 |
| 193406R | 010250 | MN | WASECA | STATE ST. | WASECA | FLASHING LIGHTS | FLASHING LIGHTS | 7900 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.151 | 5 | 0 | 0.075 | 0.040 |
| Segment 4 Waseca to Walnut Grove MP 102.5 to 219 | | | | | | | | | | | | | | | | | | | |

Post-Construction Accident Prediction Summary
Minnesota 20 MNT
Alternative B

| FRA ID | MILEPOST | STATE | COUNTY | STREET | CITY | EXISTING DEVICE | PROPOSED DEVICE | ADT c | TRNS PER DAY t | NO. THRU TRNS/DAY DAYLIGHT d | MAX. TT SPEED (MPH) | NO. MAIN TRKS | HWY PAVED YES=1 NO=2 | NO. HWY LANES | BASIC FORMULA INITIAL (ACCIDENTS/YR) a | NO. YRS T | NO. OBSERVED ACCIDENTS 1993-1997 N | PREDICTED ACCIDENTS PER YR B | Estimated Annual Accident Frequency A |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 193314D | 010260 | MN | WASECA | 2ND ST. S.W. | WASECA | FLASHING LIGHTS | FLASHING LIGHTS | 1050 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.066 | 5 | 0 | 0.042 | 0.022 |
| 193315K | 010270 | MN | WASECA | 4TH ST. S.W. | WASECA | GATES | GATES | 2700 | 11 | 6.88 | 49 | 3 | 1 | 2 | 0.065 | 5 | 0 | 0.041 | 0.020 |
| 193317Y | 010340 | MN | WASECA | CO RD 57 | WASECA | FLASHING LIGHTS | FLASHING LIGHTS | 650 | 11 | 6.88 | 49 | 2 | 1 | 2 | 0.065 | 5 | 0 | 0.041 | 0.022 |
| 193318F | 010380 | MN | WASECA | BROWN ST | WASECA | FLASHING LIGHTS | FLASHING LIGHTS | 2600 | 11 | 6.88 | 49 | 2 | 1 | 2 | 0.116 | 5 | 1 | 0.154 | 0.081 |
| 193320G | 010460 | MN | WASECA | Airport/ CO RD 27 | WASECA | PASSIVE | PASSIVE | 810 | 11 | 6.88 | 49 | 2 | 1 | 2 | 0.100 | 5 | 0 | 0.057 | 0.041 |
| 193322V | 010620 | MN | WASECA | CO RD 52/ 95TH ST | WASECA | PASSIVE | PASSIVE | 55 | 11 | 6.88 | 49 | 2 | 2 | 2 | 0.020 | 5 | 0 | 0.015 | 0.011 |
| 193324J | 010730 | MN | WASECA | 85TH ST/TWP 161 | WASECA | PASSIVE | PASSIVE | 55 | 11 | 6.88 | 49 | 2 | 2 | 2 | 0.020 | 5 | 0 | 0.015 | 0.011 |
| 193326X | 010850 | MN | WASECA | CO RD 17 | JANESVILLE | PASSIVE | PASSIVE | 190 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.032 | 5 | 0 | 0.023 | 0.016 |
| 193328L | 010960 | MN | WASECA | 60TH ST | JANESVILLE | PASSIVE | PASSIVE | 10 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.011 | 5 | 0 | 0.008 | 0.006 |
| 193329T | 11020 | MN | WASECA | Twp 92 | JANESVILLE | PASSIVE | PASSIVE | 20 | 11 | 6.875 | 49 | 1 | 2 | 2 | 0.014 | 5 | 0 | 0.011 | 0.008 |
| 193341A | 011090 | MN | WASECA | CO RD 33 & 66 | JANESVILLE | PASSIVE | PASSIVE | 110 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.026 | 5 | 0 | 0.019 | 0.014 |
| 193342G | 11190 | MN | WASECA | COUNTY ROAD 53 | JANESVILLE | PASSIVE | PASSIVE | 100 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.025 | 5 | 0 | 0.018 | 0.013 |
| 193344V | 011260 | MN | WASECA | TEAL ST | JANESVILLE | PASSIVE | PASSIVE | 1100 | 11 | 6.88 | 49 | 4 | 1 | 2 | 0.112 | 5 | 0 | 0.062 | 0.044 |
| 193346J | 011280 | MN | WASECA | MAIN STREET | JANESVILLE | GATES | GATES | 1900 | 11 | 6.88 | 49 | 3 | 1 | 2 | 0.059 | 5 | 0 | 0.038 | 0.019 |
| 193348X | 011300 | MN | WASECA | CRAIG ST | JANESVILLE | PASSIVE | PASSIVE | 380 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.076 | 5 | 0 | 0.046 | 0.033 |
| 193349E | 011310 | MN | WASECA | SKOOKUM ST | JANESVILLE | PASSIVE | PASSIVE | 380 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.042 | 5 | 0 | 0.029 | 0.020 |
| 193354B | 011510 | MN | WASECA | CO RD 60 | JANESVILLE | PASSIVE | PASSIVE | 275 | 11 | 6.88 | 49 | 2 | 1 | 2 | 0.067 | 5 | 1 | 0.116 | 0.083 |
| 193356P | 011630 | MN | WASECA | CO RD 37 | JANESVILLE | PASSIVE | PASSIVE | 565 | 11 | 6.88 | 49 | 2 | 1 | 2 | 0.088 | 5 | 1 | 0.133 | 0.096 |
| 193407X | 011660 | MN | BLUE EARTH | CO RD 184 | JANESVILLE | PASSIVE | PASSIVE | 235 | 11 | 6.88 | 49 | 2 | 2 | 2 | 0.035 | 5 | 0 | 0.025 | 0.018 |
| 193410F | 11750 | MN | BLUE EARTH | Twp 313 | JANESVILLE | PASSIVE | PASSIVE | 100 | 11 | 7 | 49 | 2 | 2 | 2 | 0.025 | 5 | 0 | 0.018 | 0.013 |
| 193408E | 011870 | MN | BLUE EARTH | CO RD 185 | EAGLE LAKE | PASSIVE | PASSIVE | 85 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.024 | 5 | 0 | 0.017 | 0.013 |
| 193411M | 011980 | MN | BLUE EARTH | TWP 325 | EAGLE LAKE | PASSIVE | PASSIVE | 73 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.023 | 5 | 0 | 0.017 | 0.012 |
| 193414H | 012080 | MN | BLUE EARTH | TWP 332 | EAGLE LAKE | PASSIVE | PASSIVE | 39 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.033 | 5 | 0 | 0.023 | 0.017 |
| 193509R | 14720 | MN | BLUE EARTH | Twp 461 | | PASSIVE | PASSIVE | 100 | 11 | 6.88 | 49 | 2 | 2 | 1 | 0.025 | 5 | 0 | 0.018 | 0.013 |
| 193480V | 14890 | MN | BLUE EARTH | JUDSON FORT RD | MANKATO | PASSIVE | PASSIVE | 52 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.020 | 5 | 0 | 0.015 | 0.011 |
| 193481C | 14980 | MN | BLUE EARTH | CSAH 42 | MANKATO | PASSIVE | PASSIVE | 970 | 11 | 6.88 | 49 | 2 | 1 | 2 | 0.107 | 5 | 0 | 0.060 | 0.043 |
| 193482J | 14990 | MN | BLUE EARTH | PARK ST/TWP 245 | MANKATO | PASSIVE | PASSIVE | 60 | 11 | 6.88 | 49 | 3 | 1 | 2 | 0.038 | 5 | 0 | 0.027 | 0.019 |
| 193483R | 15020 | MN | BLUE EARTH | PRAIRIE ST/ TWP 249 | MANKATO | PASSIVE | PASSIVE | 55 | 11 | 6.88 | 49 | 3 | 2 | 1 | 0.020 | 5 | 0 | 0.015 | 0.011 |
| 193484X | 15630 | MN | BLUE EARTH | CSAH 6 | NEW ULM | PASSIVE | PASSIVE | 160 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.055 | 5 | 0 | 0.036 | 0.026 |
| 193485E | 15660 | MN | BLUE EARTH | TWP 236 | NEW ULM | PASSIVE | PASSIVE | 80 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.043 | 5 | 0 | 0.029 | 0.021 |
| 193487T | 001860 | MN | BLUE EARTH | CSAH 45 | NEW ULM | FLASHING LIGHTS | FLASHING LIGHTS | 750 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.057 | 5 | 0 | 0.037 | 0.020 |
| 193571H | 16060 | MN | BROWN | Twp 97 | NEW ULM | PASSIVE | PASSIVE | 100 | 11 | 7 | 49 | 2 | 2 | 2 | 0.025 | 5 | 0 | 0.018 | 0.013 |
| 193522E | 16270 | MN | BROWN | SHAG RD/ TWP 96 | NEW ULM | PASSIVE | PASSIVE | 115 | 11 | 7 | 49 | 2 | 2 | 2 | 0.027 | 5 | 0 | 0.019 | 0.014 |
| 193523L | 16310 | MN | BROWN | Tower Rd. | NEW ULM | PASSIVE | PASSIVE | 50 | 11 | 7 | 49 | 2 | 1 | 2 | 0.036 | 5 | 1 | 0.085 | 0.061 |
| 193488A | 16410 | MN | BROWN | 20TH SOUTH ST. | NEW ULM | FLASHING LIGHTS | FLASHING LIGHTS | 5300 | 11 | 6.88 | 49 | 2 | 1 | 4 | 0.223 | 5 | 0 | 0.094 | 0.050 |
| 196260K | 16440 | MN | BROWN | SE 16th St | NEW ULM | PASSIVE | PASSIVE | 630 | 11 | 6.88 | 49 | 2 | 2 | 2 | 0.050 | 5 | 0 | 0.033 | 0.024 |
| 196261S | 16460 | MN | BROWN | S 12th St. | NEW ULM | GATES | GATES | 800 | 11 | 7 | 49 | 2 | 1 | 2 | 0.039 | 5 | 0 | 0.027 | 0.013 |
| 193491H | 016490 | MN | BROWN | 7TH SOUTH ST. | NEW ULM | PASSIVE | PASSIVE | 650 | 11 | 6.88 | 49 | 5 | 1 | 2 | 0.092 | 5 | 0 | 0.054 | 0.039 |
| 193492P | 16520 | MN | BROWN | 3RD SOUTH ST. | NEW ULM | FLASHING LIGHTS | FLASHING LIGHTS | 770 | 11 | 6.88 | 49 | 7 | 1 | 2 | 0.183 | 5 | 1 | 0.192 | 0.102 |
| 193493W | 016540 | MN | BROWN | 1ST SOUTH ST. | NEW ULM | FLASHING LIGHTS | FLASHING LIGHTS | 1400 | 11 | 6.88 | 49 | 2 | 1 | 2 | 0.090 | 5 | 0 | 0.053 | 0.028 |
| 193494D | 016550 | MN | BROWN | CENTER ST | NEW ULM | PASSIVE | PASSIVE | 1200 | 11 | 6.88 | 49 | 3 | 1 | 2 | 0.116 | 5 | 2 | 0.245 | 0.175 |
| 193525A | 016558 | MN | BROWN | FIRST STREET | NEW ULM | PASSIVE | PASSIVE | 630 | 11 | 6.88 | 49 | 2 | 1 | 2 | 0.091 | 5 | 1 | 0.136 | 0.098 |
| 193537U | 16570 | MN | BROWN | 3RD NORTH ST. | NEW ULM | FLASHING LIGHTS | FLASHING LIGHTS | 1750 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.081 | 5 | 1 | 0.128 | 0.068 |
| 193536M | 16680 | MN | BROWN | MINNESOTA ST&17TH | NEW ULM | FLASHING LIGHTS | FLASHING LIGHTS | 970 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.064 | 5 | 0 | 0.041 | 0.021 |
| 911203V | 16720 | MN | BROWN | N. 20th St. | NEW ULM | FLASHING LIGHTS | FLASHING LIGHTS | 3500 | 11 | 6.875 | 49 | 1 | 1 | 2 | 0.108 | 5 | 0 | 0.060 | 0.032 |
| 193560N | 16800 | MN | BROWN | BOUNDARY ST. | NEW ULM | PASSIVE | PASSIVE | 630 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.050 | 5 | 1 | 0.100 | 0.072 |
| 193572H | 016950 | MN | BROWN | CO RD 12 | NEW ULM | PASSIVE | PASSIVE | 60 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.021 | 5 | 0 | 0.016 | 0.011 |
| 193573P | 017050 | MN | BROWN | TWP 128 | NEW ULM | PASSIVE | PASSIVE | 55 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.020 | 5 | 0 | 0.015 | 0.011 |

Post-Construction Accident Prediction Summary
Minnesota 20 MNT
Alternative B

| FRA ID | MILEPOST | STATE | COUNTY | STREET | CITY | EXISTING DEVICE | PROPOSED DEVICE | ADT c | TRNS PER DAY t | NO. THRU TRNS/DAY DAYLIGHT d | MAX. TT SPEED (MPH) | NO. MAIN TRKS | HWY PAVED YES=1 NO=2 | NO. HWY LANES | BASIC FORMULA INITIAL (ACCIDENTS/YR) a | NO. YRS T | NO. OBSERVED ACCIDENTS 1993-1997 N | PREDICTED ACCIDENTS PER YR B | Estimated Annual Accident Frequency A |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 193579F | 017150 | MN | BROWN | TWP 245 | ESSIG | PASSIVE | PASSIVE | 55 | 11 | 6.88 | 49 | 2 | 2 | 2 | 0.020 | 5 | 0 | 0.015 | 0.011 |
| 193574W | 017250 | MN | BROWN | TWP 238 | ESSIG | PASSIVE | PASSIVE | 40 | 11 | 6.88 | 49 | 2 | 2 | 2 | 0.018 | 5 | 0 | 0.014 | 0.010 |
| 193546T | 017310 | MN | BROWN | TWP 129 | ESSIG | PASSIVE | PASSIVE | 80 | 11 | 6.88 | 49 | 2 | 2 | 2 | 0.023 | 5 | 0 | 0.017 | 0.012 |
| 193575D | 017360 | MN | BROWN | CO RD 11/CENTER ST | ESSIG | PASSIVE | PASSIVE | 355 | 11 | 6.88 | 49 | 2 | 1 | 2 | 0.074 | 5 | 0 | 0.046 | 0.033 |
| 193547A | 017370 | MN | BROWN | Essig W St/ TWP 131 | ESSIG | PASSIVE | PASSIVE | 780 | 11 | 6.88 | 49 | 2 | 1 | 2 | 0.099 | 5 | 0 | 0.057 | 0.041 |
| 193548G | 017510 | MN | BROWN | TWP 141 | ESSIG | PASSIVE | PASSIVE | 55 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.020 | 5 | 0 | 0.015 | 0.011 |
| 193577S | 17670 | MN | BROWN | CO RD 10 | SLEEPY EYE | PASSIVE | PASSIVE | 160 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.055 | 5 | 0 | 0.036 | 0.026 |
| 193578Y | 017780 | MN | BROWN | TWP 225 | ESSIG | PASSIVE | PASSIVE | 116 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.027 | 5 | 1 | 0.075 | 0.054 |
| 193558M | 017970 | MN | BROWN | 1ST N W. | SLEEPY EYE | FLASHING LIGHTS | FLASHING LIGHTS | 3100 | 11 | 6.88 | 49 | 4 | 1 | 2 | 0.182 | 5 | 0 | 0.084 | 0.045 |
| 193557F | 017980 | MN | BROWN | 2ND NW. | SLEEPY EYE | FLASHING LIGHTS | FLASHING LIGHTS | 380 | 11 | 6.88 | 49 | 4 | 1 | 2 | 0.077 | 5 | 0 | 0.047 | 0.025 |
| 193584C | 017990 | MN | BROWN | 4TH AVE N.W. | SLEEPY EYE | PASSIVE | PASSIVE | 900 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.104 | 5 | 0 | 0.059 | 0.042 |
| 193553D | 018040 | MN | BROWN | 9TH AVE | SLEEPY EYE | PASSIVE | PASSIVE | 580 | 11 | 6.88 | 49 | 2 | 1 | 2 | 0.089 | 5 | 1 | 0.134 | 0.096 |
| 193554K | 018090 | MN | BROWN | TWP 218 | SLEEPY EYE | PASSIVE | PASSIVE | 55 | 11 | 6.88 | 49 | 2 | 2 | 2 | 0.020 | 5 | 0 | 0.015 | 0.011 |
| 193588E | 018280 | MN | BROWN | TWP 138 | SLEEPY EYE | PASSIVE | PASSIVE | 40 | 11 | 6.88 | 49 | 2 | 2 | 2 | 0.018 | 5 | 0 | 0.014 | 0.010 |
| 193589L | 018380 | MN | BROWN | CO RD 8 | SLEEPY EYE | PASSIVE | PASSIVE | 600 | 11 | 6.88 | 49 | 2 | 1 | 2 | 0.090 | 5 | 2 | 0.217 | 0.156 |
| 193590F | 018600 | MN | BROWN | CO RD 7 | COBDEN | PASSIVE | PASSIVE | 130 | 11 | 6.88 | 49 | 2 | 1 | 2 | 0.051 | 5 | 0 | 0.034 | 0.024 |
| 193591M | 018610 | MN | BROWN | CENTER ST | COBDEN | PASSIVE | PASSIVE | 380 | 11 | 6.88 | 49 | 2 | 2 | 2 | 0.042 | 5 | 0 | 0.029 | 0.020 |
| 193592U | 018700 | MN | BROWN | TWP 3 | COBDEN | PASSIVE | PASSIVE | 48 | 11 | 6.88 | 49 | 2 | 2 | 2 | 0.019 | 5 | 0 | 0.014 | 0.010 |
| 193594H | 018870 | MN | BROWN | TWP 191 | COBDEN | PASSIVE | PASSIVE | 55 | 11 | 6.88 | 49 | 2 | 2 | 2 | 0.020 | 5 | 0 | 0.015 | 0.011 |
| 193595P | 018940 | MN | BROWN | MN HWY 258 | SPRINGFIELD | FLASHING LIGHTS | FLASHING LIGHTS | 480 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.048 | 5 | 0 | 0.032 | 0.017 |
| 193596W | 019050 | MN | BROWN | TWP 90 | SPRINGFIELD | PASSIVE | PASSIVE | 55 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.020 | 5 | 0 | 0.015 | 0.011 |
| 193610P | 019140 | MN | BROWN | TWP 85 | SPRINGFIELD | PASSIVE | PASSIVE | 55 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.020 | 5 | 0 | 0.015 | 0.011 |
| 911204C | 19260 | MN | BROWN | CO RD 5 | SPRINGFIELD | PASSIVE | PASSIVE | 1250 | 11 | 6.875 | 49 | 1 | 1 | 2 | 0.118 | 5 | 1 | 0.155 | 0.111 |
| 193612D | 19270 | MN | BROWN | SANDBORN ST | SPRINGFIELD | PASSIVE | PASSIVE | 200 | 11 | 6.875 | 49 | 1 | 2 | 2 | 0.033 | 5 | 0 | 0.023 | 0.017 |
| 193613K | 019290 | MN | BROWN | WASHINGTON AVE. | SPRINGFIELD | PASSIVE | PASSIVE | 380 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.076 | 5 | 0 | 0.046 | 0.033 |
| 193599S | 019300 | MN | BROWN | LINCOLN ST | SPRINGFIELD | PASSIVE | PASSIVE | 380 | 11 | 6.88 | 49 | 3 | 1 | 2 | 0.076 | 5 | 0 | 0.046 | 0.033 |
| 193614S | 019310 | MN | BROWN | CASS AVE. | SPRINGFIELD | FLASHING LIGHTS | FLASHING LIGHTS | 1650 | 11 | 6.88 | 49 | 2 | 1 | 2 | 0.096 | 5 | 0 | 0.055 | 0.029 |
| 193616F | 019330 | MN | BROWN | OCONNELL AVE. | SPRINGFIELD | PASSIVE | PASSIVE | 1000 | 11 | 6.88 | 49 | 3 | 1 | 2 | 0.108 | 5 | 1 | 0.149 | 0.107 |
| 193600J | 019360 | MN | BROWN | BURNS AVE | SPRINGFIELD | PASSIVE | PASSIVE | 380 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.076 | 5 | 0 | 0.046 | 0.033 |
| 193859H | 019410 | MN | BROWN | CO RD 4 | SPRINGFIELD | FLASHING LIGHTS | FLASHING LIGHTS | 600 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.052 | 5 | 0 | 0.035 | 0.018 |
| 193710U | 19760 | MN | BROWN | CO RD 2 | SANBORN | PASSIVE | PASSIVE | 160 | 11 | 6.88 | 49 | 2 | 1 | 2 | 0.055 | 5 | 0 | 0.036 | 0.026 |
| 193711B | 020050 | MN | BROWN | TWP 2 | SANBORN | PASSIVE | PASSIVE | 56 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.021 | 5 | 0 | 0.015 | 0.011 |
| 193664V | 020080 | MN | REDWOOD | TWP 153 | SANBORN | PASSIVE | PASSIVE | 146 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.029 | 5 | 0 | 0.021 | 0.015 |
| 197897F | 020170 | MN | REDWOOD | MAIN ST. | SANBORN | FLASHING LIGHTS | FLASHING LIGHTS | 1300 | 11 | 6.88 | 49 | 4 | 1 | 2 | 0.128 | 5 | 0 | 0.068 | 0.036 |
| 197896Y | 020180 | MN | REDWOOD | SOUTH ST. | SANBORN | PASSIVE | PASSIVE | 380 | 11 | 6.88 | 49 | 4 | 2 | 2 | 0.042 | 5 | 0 | 0.029 | 0.020 |
| 193669E | 020260 | MN | REDWOOD | TWP 149 | SANBORN | PASSIVE | PASSIVE | 73 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.023 | 5 | 0 | 0.017 | 0.012 |
| 193671F | 020370 | MN | REDWOOD | TWP 147 & 148 | SANBORN | PASSIVE | PASSIVE | 55 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.020 | 5 | 0 | 0.015 | 0.011 |
| 197895S | 020880 | MN | REDWOOD | MAIN ST. | LAMBERTON | FLASHING LIGHTS | FLASHING LIGHTS | 380 | 11 | 6.88 | 49 | 4 | 1 | 2 | 0.077 | 5 | 0 | 0.047 | 0.025 |
| 197894K | 020910 | MN | REDWOOD | ILEX ST/ CO RD 6 | LAMBERTON | FLASHING LIGHTS | FLASHING LIGHTS | 1300 | 11 | 6.88 | 49 | 2 | 1 | 2 | 0.087 | 5 | 0 | 0.052 | 0.027 |
| 193712H | 21090 | MN | REDWOOD | TWP 190 | LAMBERTON | PASSIVE | PASSIVE | 55 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.020 | 5 | 0 | 0.015 | 0.011 |
| 193713P | 021300 | MN | REDWOOD | TWP 184 | REVERE | PASSIVE | PASSIVE | 99 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.025 | 5 | 0 | 0.018 | 0.013 |
| 197789J | 021370 | MN | REDWOOD | MAIN ST/ CO RD 127 | REVERE | FLASHING LIGHTS | FLASHING LIGHTS | 510 | 11 | 6.88 | 49 | 2 | 1 | 2 | 0.059 | 5 | 0 | 0.038 | 0.020 |
| 193714W | 021410 | MN | REDWOOD | CO RD 7 | REVERE | PASSIVE | PASSIVE | 320 | 11 | 6.88 | 49 | 2 | 1 | 2 | 0.071 | 5 | 0 | 0.044 | 0.032 |
| 193715D | 021500 | MN | REDWOOD | TWP 178 | REVERE | PASSIVE | PASSIVE | 55 | 11 | 6.88 | 49 | 2 | 2 | 2 | 0.020 | 5 | 0 | 0.015 | 0.011 |
| 193716K | 021610 | MN | REDWOOD | CI RD 10 | WALNUT GROVE | PASSIVE | PASSIVE | 125 | 11 | 6.88 | 49 | 2 | 1 | 2 | 0.050 | 5 | 0 | 0.033 | 0.024 |
| 193717S | 021710 | MN | REDWOOD | TWP 127 | WALNUT GROVE | PASSIVE | PASSIVE | 44 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.019 | 5 | 0 | 0.014 | 0.010 |
| 193718Y | 021810 | MN | REDWOOD | CO RD 80 | WALNUT GROVE | PASSIVE | PASSIVE | 530 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.086 | 5 | 0 | 0.051 | 0.037 |
| 193719F | 021880 | MN | REDWOOD | 1ST ST | WALNUT GROVE | PASSIVE | PASSIVE | 49 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.020 | 5 | 1 | 0.066 | 0.047 |

Post-Construction Accident Prediction Summary
Minnesota 20 MNT
Alternative B

| FRA ID | MILEPOST | STATE | COUNTY | STREET | CITY | EXISTING DEVICE | PROPOSED DEVICE | ADT c | TRNS PER DAY t | NO. THRU TRNS/DAY DAYLIGHT d | MAX. TT SPEED (MPH) | NO. MAIN TRKS | HWY PAVED YES=1 NO=2 | NO. HWY LANES | BASIC FORMULA INITIAL (ACCIDENTS/YR) a | NO. YRS T | NO. OBSERVED ACCIDENTS 1993-1997 N | PREDICTED ACCIDENTS PER YR B | Estimated Annual Accident Frequency A |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 197893D | 021900 | MN | REDWOOD | 6TH ST. | WALNUT GROVE | FLASHING LIGHTS | FLASHING LIGHTS | 900 | 11 | 6.88 | 49 | 2 | 1 | 2 | 0.075 | 5 | 0 | 0.046 | 0.024 |
| **Segment 5 Walnut Grove to Tracy MP 219 to 226.6** | | | | | | | | | | | | | | | | | | | |
| 197892W | 21920 | MN | REDWOOD | CO RD 5 | WALNUT GROVE | FLASHING LIGHTS | FLASHING LIGHTS | 1000 | 11 | 6.88 | 49 | 2 | 1 | 2 | 0.078 | 5 | 0 | 0.048 | 0.025 |
| 193721G | 022110 | MN | REDWOOD | CO RD 75 | WALNUT GROVE | PASSIVE | PASSIVE | 40 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.018 | 5 | 0 | 0.014 | 0.010 |
| 193692Y | 022220 | MN | REDWOOD | TWP 160 | WALNUT GROVE | PASSIVE | PASSIVE | 40 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.018 | 5 | 0 | 0.014 | 0.010 |
| 193694M | 022320 | MN | REDWOOD | TWP 158 | WALNUT GROVE | PASSIVE | PASSIVE | 55 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.020 | 5 | 0 | 0.015 | 0.011 |
| 193696B | 022410 | MN | LYON | TWP 154 (County Line) | TRACY | PASSIVE | PASSIVE | 55 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.020 | 5 | 0 | 0.015 | 0.011 |
| 193697H | 022510 | MN | LYON | TWP 18 | TRACY | PASSIVE | PASSIVE | 37 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.018 | 5 | 0 | 0.013 | 0.009 |
| 193722N | 022650 | MN | LYON | CENTER ST | TRACY | GATES | GATES | 1450 | 11 | 6.88 | 49 | 5 | 1 | 4 | 0.098 | 5 | 0 | 0.056 | 0.028 |
| 193741T | 022660 | MN | LYON | 4TH ST. | TRACY | GATES | GATES | 2200 | 11 | 6.88 | 49 | 2 | 1 | 2 | 0.053 | 5 | 1 | 0.103 | 0.051 |
| **Segment 6 Brookings to Tracy MP 226.6 to 290.0** | | | | | | | | | | | | | | | | | | | |
| 193742A | 022720 | MN | LYON | HIGHLINE RD 73 | TRACY | PASSIVE | PASSIVE | 650 | 11 | 6.88 | 49 | 2 | 1 | 2 | 0.092 | 5 | 0 | 0.054 | 0.039 |
| 193699W | 022800 | MN | LYON | CO RD 14 | TRACY | PASSIVE | PASSIVE | 320 | 11 | 6.88 | 49 | 2 | 1 | 2 | 0.071 | 5 | 2 | 0.195 | 0.140 |
| 193700N | 022830 | MN | LYON | TWP 227 | TRACY | PASSIVE | PASSIVE | 55 | 11 | 6.88 | 49 | 2 | 2 | 2 | 0.020 | 5 | 0 | 0.015 | 0.011 |
| 193702C | 022950 | MN | LYON | CO RD 14 | TRACY | PASSIVE | PASSIVE | 225 | 11 | 6.88 | 49 | 2 | 1 | 2 | 0.062 | 5 | 0 | 0.040 | 0.029 |
| 193708T | 023150 | MN | LYON | TWP 217 | GARVIN | PASSIVE | PASSIVE | 55 | 11 | 6.88 | 49 | 2 | 2 | 2 | 0.020 | 5 | 0 | 0.015 | 0.011 |
| 193709A | 023250 | MN | LYON | TWP 208 | GARVIN | PASSIVE | PASSIVE | 55 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.020 | 5 | 0 | 0.015 | 0.011 |
| 193810Y | 023350 | MN | LYON | US HWY 59 | GARVIN | FLASHING LIGHTS | FLASHING LIGHTS | 1350 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.073 | 5 | 0 | 0.045 | 0.024 |
| 193757P | 023390 | MN | LYON | 1ST ST | GARVIN | PASSIVE | PASSIVE | 55 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.020 | 5 | 0 | 0.015 | 0.011 |
| 193758W | 023450 | MN | LYON | TWP 201 | GARVIN | PASSIVE | PASSIVE | 55 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.020 | 5 | 0 | 0.015 | 0.011 |
| 193759D | 023550 | MN | LYON | TWP 194 | GARVIN | PASSIVE | PASSIVE | 55 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.020 | 5 | 0 | 0.015 | 0.011 |
| 193743G | 023660 | MN | LYON | CO RD 7 | BALATON | PASSIVE | PASSIVE | 155 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.054 | 5 | 0 | 0.036 | 0.026 |
| 193744N | 023760 | MN | LYON | TWP 190 | BALATON | PASSIVE | PASSIVE | 73 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.023 | 5 | 0 | 0.017 | 0.012 |
| 193745V | 023860 | MN | LYON | TWP 27 | BALATON | PASSIVE | PASSIVE | 5 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.008 | 5 | 0 | 0.007 | 0.005 |
| 193797M | 023940 | MN | LYON | 2ND ST SW | BALATON | FLASHING LIGHTS | FLASHING LIGHTS | 1050 | 11 | 6.88 | 49 | 2 | 1 | 2 | 0.080 | 5 | 1 | 0.127 | 0.067 |
| 193748R | 023990 | MN | LYON | CO RD 5 | BALATON | FLASHING LIGHTS | FLASHING LIGHTS | 710 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.056 | 5 | 0 | 0.037 | 0.019 |
| 193751Y | 024180 | MN | LYON | TWP 14 | BALATON | PASSIVE | PASSIVE | 38 | 11 | 6.88 | 49 | 2 | 2 | 2 | 0.018 | 5 | 0 | 0.013 | 0.010 |
| 193752F | 024230 | MN | LYON | TWP 176 | BALATON | PASSIVE | PASSIVE | 45 | 11 | 6.88 | 49 | 2 | 2 | 2 | 0.019 | 5 | 0 | 0.014 | 0.010 |
| 193753M | 024330 | MN | LYON | TWP 244 | BALATON | PASSIVE | PASSIVE | 55 | 11 | 6.88 | 49 | 2 | 2 | 2 | 0.020 | 5 | 0 | 0.015 | 0.011 |
| 193755B | 024440 | MN | LYON | MN HWY 91 | BALATON | FLASHING LIGHTS | FLASHING LIGHTS | 495 | 11 | 6.88 | 49 | 2 | 1 | 2 | 0.058 | 5 | 0 | 0.038 | 0.020 |
| 193725J | 024590 | MN | LYON | TWP 15 | BALATON | PASSIVE | PASSIVE | 55 | 11 | 6.88 | 49 | 2 | 1 | 2 | 0.037 | 5 | 0 | 0.026 | 0.018 |
| 193726R | 024640 | MN | LYON | CO RD 13 | TYLER | PASSIVE | PASSIVE | 50 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.036 | 5 | 0 | 0.025 | 0.018 |
| 193730F | 024920 | MN | LYON | TWP 262 | TYLER | PASSIVE | PASSIVE | 16 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.013 | 5 | 0 | 0.010 | 0.007 |
| 193732U | 024980 | MN | LYON | CO RD 51 | TYLER | PASSIVE | PASSIVE | 15 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.013 | 5 | 0 | 0.010 | 0.007 |
| 193734H | 025180 | MN | LINCOLN | TWP 82 | TYLER | PASSIVE | PASSIVE | 55 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.020 | 5 | 0 | 0.015 | 0.011 |
| 193736W | 025290 | MN | LINCOLN | CO RD 115 | TYLER | PASSIVE | PASSIVE | 380 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.042 | 5 | 0 | 0.029 | 0.020 |
| 193798U | 025340 | MN | LINCOLN | WILLOW ST | TYLER | PASSIVE | PASSIVE | 380 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.076 | 5 | 1 | 0.124 | 0.089 |
| 193799B | 025350 | MN | LINCOLN | TYLER STREET | TYLER | GATES | GATES | 3150 | 11 | 6.88 | 49 | 2 | 1 | 2 | 0.059 | 5 | 0 | 0.038 | 0.019 |
| 193800T | 025380 | MN | LINCOLN | CO RD 8 | TYLER | GATES | GATES | 1000 | 11 | 6.88 | 49 | 2 | 1 | 2 | 0.042 | 5 | 0 | 0.029 | 0.014 |
| 193737D | 025490 | MN | LINCOLN | TWP 90 | TYLER | PASSIVE | PASSIVE | 59 | 11 | 6.88 | 49 | 2 | 2 | 2 | 0.021 | 5 | 0 | 0.015 | 0.011 |
| 193740L | 025590 | MN | LINCOLN | TWP 96 | TYLER | PASSIVE | PASSIVE | 55 | 11 | 6.88 | 49 | 2 | 2 | 2 | 0.020 | 5 | 0 | 0.015 | 0.011 |
| 193761E | 025690 | MN | LINCOLN | CO RD 111 | TYLER | PASSIVE | PASSIVE | 95 | 11 | 6.88 | 49 | 2 | 2 | 2 | 0.025 | 5 | 0 | 0.018 | 0.013 |
| 193762L | 025790 | MN | LINCOLN | TWP 100 | LAKE BENTON | PASSIVE | PASSIVE | 55 | 11 | 6.88 | 49 | 2 | 2 | 2 | 0.020 | 5 | 0 | 0.015 | 0.011 |
| 193764A | 025900 | MN | LINCOLN | TWP 104 | LAKE BENTON | PASSIVE | PASSIVE | 55 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.020 | 5 | 0 | 0.015 | 0.011 |

Post-Construction Accident Prediction Summary
Minnesota 20 MNT
Alternative B

| FRA ID | MILEPOST | STATE | COUNTY | STREET | CITY | EXISTING DEVICE | PROPOSED DEVICE | ADT c | TRNS PER DAY t | NO. THRU TRNS/DAY DAYLIGHT d | MAX. TT SPEED (MPH) | NO. MAIN TRKS | HWY PAVED YES=1 NO=2 | NO. HWY LANES | BASIC FORMULA INITIAL (ACCIDENTS/YR) a | NO. YRS T | NO. OBSERVED ACCIDENTS 1993-1997 N | PREDICTED ACCIDENTS PER YR B | Estimated Annual Accident Frequency A |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 193801A | 026160 | MN | LINCOLN | CENTER ST. | LAKE BENTON | GATES | GATES | 1100 | 11 | 6.88 | 40 | 1 | 1 | 2 | 0.037 | 5 | 0 | 0.026 | 0.013 |
| 193802G | 026190 | MN | LINCOLN | BENTON ST. | LAKE BENTON | PASSIVE | PASSIVE | 450 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.081 | 5 | 1 | 0.128 | 0.091 |
| 193768C | 026330 | MN | LINCOLN | TWP 100 | LAKE BENTON | PASSIVE | PASSIVE | 55 | 11 | 6.88 | 49 | 2 | 2 | 2 | 0.020 | 5 | 0 | 0.015 | 0.011 |
| 193769J | 026480 | MN | LINCOLN | TWP 7 | LAKE BENTON | PASSIVE | PASSIVE | 55 | 11 | 6.88 | 49 | 2 | 2 | 2 | 0.020 | 5 | 0 | 0.015 | 0.011 |
| 193770D | 026590 | MN | LINCOLN | CO RD 9 | VERDI | FLASHING LIGHTS | FLASHING LIGHTS | 450 | 11 | 6.88 | 49 | 2 | 1 | 2 | 0.056 | 5 | 0 | 0.037 | 0.019 |
| 193771K | 026730 | MN | LINCOLN | TWP 125 | VERDI | PASSIVE | PASSIVE | 50 | 11 | 6.88 | 49 | 2 | 2 | 2 | 0.020 | 5 | 0 | 0.015 | 0.010 |
| 193773Y | 026750 | MN | LINCOLN | CO RD 9 | VERDI | PASSIVE | PASSIVE | 150 | 11 | 6.88 | 49 | 2 | 1 | 2 | 0.054 | 5 | 0 | 0.035 | 0.025 |
| 193772S | 026780 | MN | LINCOLN | MAIN STREET | VERDI | PASSIVE | PASSIVE | 23 | 11 | 6.88 | 49 | 2 | 2 | 2 | 0.015 | 5 | 0 | 0.011 | 0.008 |
| 193776U | 026830 | MN | LINCOLN | CO RD 2 | VERDI | PASSIVE | PASSIVE | 75 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.042 | 5 | 0 | 0.028 | 0.020 |
| 193780J | 026940 | MN | LINCOLN | TWP 132 | VERDI | PASSIVE | PASSIVE | 720 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.053 | 5 | 0 | 0.035 | 0.025 |
| 193782X | 27040 | MN | LINCOLN | TWP 133 | VERDI | PASSIVE | PASSIVE | 40 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.018 | 5 | 0 | 0.014 | 0.010 |
| 193783E | 027140 | MN | LINCOLN | CO RD 1 | ELKTON | PASSIVE | PASSIVE | 110 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.048 | 5 | 0 | 0.032 | 0.023 |
| 193784L | 027250 | MN | LINCOLN | TWP 138 | ELKTON | PASSIVE | PASSIVE | 44 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.019 | 5 | 0 | 0.014 | 0.010 |

Pre/Post-Construction Accident Prediction Comparison
Minnesota 20 MNT
Alternative B

| FRA ID | MILEPOST | STATE | COUNTY | STREET | CITY | EXISTING DEVICE | PROPOSED DEVICE | ADT c | NO. HWY LANES | NO. OBSERVED ACCIDENTS 1993-1997 N | Estimated Annual Accident Frequency Pre-Construction | Estimated Annual Accident Frequency Post-Construction | Category | Change in Frequency | 1/Freq. | Trip Threshold | State Top 50 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Winona County** | | | | | | | | | | | | | | | | | |
| 19317H | 520 | MN | WINONA | MARTINA & 11th | WINONA | PASSIVE | PASSIVE | 460 | 1 | 0 | 0.020 | 0.022 | B | 0.002 | 468 | NO | NO |
| 193197K | 620 | MN | WINONA | Canton Mills | WINONA | PASSIVE | PASSIVE | 100 | 1 | 0 | 0.012 | 0.013 | B | 0.001 | 723 | NO | NO |
| 193200R | 000860 | MN | WINONA | CO RD 23 | MINNESOTA CITY | FLASHING LIGHTS | FLASHING LIGHTS | 2500 | 2 | 0 | 0.028 | 0.033 | B | 0.00523 | 191 | NO | NO |
| 193176S | 000930 | MN | WINONA | CO RD 6 | STOCKTON | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.009 | 0.011 | B | 0.00182 | 550 | NO | NO |
| 193201X | 001110 | MN | WINONA | Main St./ CO RD 23 | STOCKTON | FLASHING LIGHTS | FLASHING LIGHTS | 1075 | 2 | 0 | 0.025 | 0.026 | B | 0.00096 | 1,043 | NO | NO |
| 193206G | 001680 | MN | WINONA | Dutchman/ TWP 1 | LEWISTON | PASSIVE | PASSIVE | 100 | 2 | 0 | 0.009 | 0.009 | B | 0.00011 | 8,936 | NO | NO |
| 193207N | 001780 | MN | WINONA | CO RD 25 | LEWISTON | FLASHING LIGHTS | FLASHING LIGHTS | 1850 | 2 | 0 | 0.025 | 0.026 | B | 0.00097 | 1,031 | NO | NO |
| 193209C | 001840 | MN | WINONA | FREMONT STREET | LEWISTON | GATES | GATES | 1700 | 2 | 0 | 0.014 | 0.016 | B | 0.00247 | 405 | NO | NO |
| 193210W | 1900 | MN | WINONA | Golf Crossing | UTICA | PASSIVE | PASSIVE | 55 | 1 | 0 | 0.010 | 0.011 | B | 0.0009 | 1,054 | NO | NO |
| 193211D | 002090 | MN | WINONA | TWP 13 | UTICA | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.010 | 0.011 | B | 0.0009 | 1,054 | NO | NO |
| 193247L | 002190 | MN | WINONA | CO RD 18 | UTICA | PASSIVE | PASSIVE | 200 | 2 | 0 | 0.026 | 0.028 | B | 0.0013 | 755 | NO | NO |
| 193248T | 002270 | MN | WINONA | CENTER STREET | UTICA | FLASHING LIGHTS | FLASHING LIGHTS | 950 | 2 | 2 | 0.100 | 0.098 | B | -0.0020 | -492 | NO | NO |
| 193249A | 2300 | MN | WINONA | 2nd. AVE | UTICA | PASSIVE | PASSIVE | 39 | 1 | 0 | 0.009 | 0.010 | B | 0.0005 | 1,893 | NO | NO |
| 193250U | 002400 | MN | WINONA | TWP 5 | UTICA | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.010 | 0.011 | B | 0.0006 | 1,697 | NO | NO |
| 193251B | 2540 | MN | WINONA | CO RD 37 | UTICA | PASSIVE | PASSIVE | 180 | 2 | 0 | 0.015 | 0.016 | B | 0.0008 | 1,185 | NO | NO |
| 193253P | 002650 | MN | WINONA | TWP 13 | ST CHARLES | PASSIVE | PASSIVE | 100 | 2 | 0 | 0.010 | 0.011 | B | 0.0006 | 1,697 | NO | NO |
| 193193H | 2780 | MN | WINONA | TERRY DRIVE | ST CHARLES | PASSIVE | PASSIVE | 500 | 2 | 0 | 0.021 | 0.022 | B | 0.0014 | 700 | NO | NO |
| 193254W | 002820 | MN | WINONA | RICHLAND AVE | ST CHARLES | PASSIVE | PASSIVE | 380 | 2 | 0 | 0.032 | 0.033 | B | 0.00152 | 657 | NO | NO |
| 193255D | 002840 | MN | WINONA | WHITEWATER | ST CHARLES | GATES | GATES | 4050 | 4 | 0 | 0.026 | 0.025 | B | -0.00076 | -1,313 | NO | NO |
| 193256K | 002850 | MN | WINONA | ST. CHARLES AVE | ST CHARLES | PASSIVE | PASSIVE | 780 | 2 | 0 | 0.039 | 0.041 | B | 0.00174 | 576 | NO | NO |
| 193257S | 002870 | MN | WINONA | W. 11TH STREET | ST CHARLES | PASSIVE | PASSIVE | 480 | 2 | 0 | 0.034 | 0.036 | B | 0.00159 | 628 | NO | NO |
| 193194P | 2900 | MN | WINONA | CO RD 126/West End | ST CHARLES | PASSIVE | PASSIVE | 380 | 2 | 0 | 0.031 | 0.033 | B | 0.00246 | 406 | NO | NO |
| | | | | | | | **Total** | | | **2** | **0.514** | **0.540** | | **0.02680** | **37** | Number of crossings | |
| | | | | | | | **Minimum** | | | | **0.009** | **0.009** | | **0.00011** | **8,936** | in the County = | **22** |
| | | | | | | | **Maximum** | | | | **0.100** | **0.098** | | **0.00523** | **191** | | |
| **Olmsted County** | | | | | | | | | | | | | | | | | |
| 193258Y | 003010 | MN | OLMSTED | TWP 668 | ST CHARLES | PASSIVE | PASSIVE | 25 | 2 | 0 | 0.008 | 0.008 | B | 0.00046 | 2,187 | NO | NO |
| 193259F | 003040 | MN | OLMSTED | 19th Ave/ TWP 591 | DOVER | PASSIVE | PASSIVE | 25 | 2 | 0 | 0.008 | 0.008 | B | 0.00046 | 2,187 | NO | NO |
| 193195W | 003090 | MN | OLMSTED | TWP 667 | DOVER | PASSIVE | PASSIVE | 25 | 1 | 0 | 0.007 | 0.008 | B | 0.00074 | 1,360 | NO | NO |
| 193260A | 003220 | MN | OLMSTED | CHATFIELD STREET | DOVER | FLASHING LIGHTS | FLASHING LIGHTS | 1300 | 2 | 1 | 0.065 | 0.064 | B | -0.00151 | -660 | NO | NO |
| 193261G | 003420 | MN | OLMSTED | CSAH 32 | DOVER | PASSIVE | PASSIVE | 200 | 2 | 0 | 0.016 | 0.017 | B | 0.00087 | 1,149 | NO | NO |
| 193262N | 003530 | MN | OLMSTED | 140th Ave/TWP 90 | EYOTA | PASSIVE | PASSIVE | 50 | 2 | 0 | 0.010 | 0.010 | B | 0.00057 | 1,749 | NO | NO |
| 193263V | 003680 | MN | OLMSTED | CENTER AVE/CSAH 7 | EYOTA | GATES | GATES | 2300 | 4 | 0 | 0.025 | 0.024 | B | -0.00076 | -1,323 | NO | NO |
| | | | | | | | **Total** | | | **1** | **0.139** | **0.140** | | **0.00082** | **1,218** | Number of crossings | |
| | | | | | | | **Minimum** | | | | **0.007** | **0.008** | | **0.00046** | **2,187** | in the County = | **7** |
| | | | | | | | **Maximum** | | | | **0.065** | **0.064** | | **0.00087** | **1,149** | | |
| **Dodge County** | | | | | | | | | | | | | | | | | |
| 193289X | 006130 | MN | DODGE | CO RD 15 | BYRON | PASSIVE | PASSIVE | 670 | 2 | 1 | 0.096 | 0.099 | B | 0.00305 | 328 | NO | NO |
| 193290S | 006230 | MN | DODGE | TWP 30 | KASSON | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.010 | 0.011 | B | 0.00059 | 1,697 | NO | NO |
| 193291Y | 006350 | MN | DODGE | MANTORVILLE AVE. | KASSON | GATES | GATES | 2750 | 2 | 0 | 0.017 | 0.018 | B | 0.00158 | 634 | NO | NO |
| 193292F | 006360 | MN | DODGE | SECOND AVE N.W. | KASSON | PASSIVE | PASSIVE | 610 | 2 | 0 | 0.036 | 0.038 | B | 0.00166 | 601 | NO | NO |
| 193293M | 006370 | MN | DODGE | THIRD AVE NW | KASSON | PASSIVE | PASSIVE | 360 | 2 | 0 | 0.031 | 0.033 | B | 0.00150 | 664 | NO | NO |
| 193294U | 006430 | MN | DODGE | EIGHTH AVE. N.W. | KASSON | PASSIVE | PASSIVE | 860 | 2 | 0 | 0.040 | 0.042 | B | 0.00176 | 567 | NO | NO |
| 196630L | 006520 | MN | DODGE | US HWY 14 | KASSON | FLASHING LIGHTS | FLASHING LIGHTS | 7900 | 2 | 0 | 0.041 | 0.045 | B | 0.00373 | 268 | NO | NO |
| 193296H | 006530 | MN | DODGE | CO RD 34/TWP 134 | KASSON | PASSIVE | PASSIVE | 60 | 2 | 0 | 0.011 | 0.011 | B | 0.00061 | 1,651 | NO | NO |
| 193357W | 006630 | MN | DODGE | CO RD 9 | KASSON | PASSIVE | PASSIVE | 540 | 2 | 0 | 0.035 | 0.037 | B | 0.00163 | 614 | NO | NO |
| 193358D | 006740 | MN | DODGE | TWP 139 | DODGE CENTER | PASSIVE | PASSIVE | 45 | 2 | 0 | 0.010 | 0.010 | B | 0.00055 | 1,808 | NO | NO |
| 193359K | 006840 | MN | DODGE | AIRPORT DRIVE S. | DODGE CENTER | PASSIVE | PASSIVE | 135 | 2 | 0 | 0.023 | 0.025 | B | 0.00121 | 830 | NO | NO |
| 193297P | 006890 | MN | DODGE | 4TH AVE. S.E. | DODGE CENTER | PASSIVE | PASSIVE | 380 | 2 | 2 | 0.103 | 0.110 | B | 0.00754 | 133 | NO | NO |
| 193360E | 006900 | MN | DODGE | SECOND AVE. S.E. | DODGE CENTER | PASSIVE | PASSIVE | 380 | 2 | 0 | 0.029 | 0.033 | B | 0.00428 | 233 | NO | NO |
| 193361L | 006910 | MN | DODGE | FIRST AVE. S.E. | DODGE CENTER | PASSIVE | PASSIVE | 380 | 2 | 0 | 0.029 | 0.033 | B | 0.00428 | 233 | NO | NO |

Pre/Post-Construction Accident Prediction Comparison
Minnesota 20 MNT
Alternative B

| FRA ID | MILEPOST | STATE | COUNTY | STREET | CITY | EXISTING DEVICE | PROPOSED DEVICE | ADT c | NO. HWY LANES | NO. OBSERVED ACCIDENTS 1993-1997 N | Estimated Annual Accident Frequency Pre-Construction | Estimated Annual Accident Frequency Post-Construction | Category | Change in Frequency | 1/Freq. | Trip Threshold | State Top 50 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 193298W | 006920 | MN | DODGE | CENTRAL AVE | DODGE CENTER | PASSIVE | PASSIVE | 380 | 2 | 1 | 0.081 | 0.089 | B | 0.00771 | 130 | NO | NO |
| 193362T | 006930 | MN | DODGE | FIRST AVE S.W. | DODGE CENTER | PASSIVE | PASSIVE | 380 | 2 | 0 | 0.032 | 0.033 | B | 0.00152 | 657 | NO | NO |
| 193299D | 006940 | MN | DODGE | 2ND AVE. S.W. | DODGE CENTER | PASSIVE | PASSIVE | 380 | 2 | 0 | 0.032 | 0.033 | B | 0.00152 | 657 | NO | NO |
| 193363A | 006950 | MN | DODGE | THIRD AVE NW/TH 56 | DODGE CENTER | FLASHING LIGHTS | FLASHING LIGHTS | 3300 | 2 | 1 | 0.079 | 0.078 | B | -0.00182 | -551 | NO | NO |
| 193300V | 007000 | MN | DODGE | CO RD H | DODGE CENTER | PASSIVE | PASSIVE | 500 | 2 | 0 | 0.034 | 0.036 | B | 0.00161 | 623 | NO | NO |
| 193364G | 007140 | MN | DODGE | TWP 145 | DODGE CENTER | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.010 | 0.011 | B | 0.00059 | 1,697 | NO | NO |
| 193303R | 7190 | MN | DODGE | Twp 153 | DODGE CENTER | PASSIVE | PASSIVE | 10 | 2 | 0 | 0.006 | 0.006 | B | 0.00034 | 2,970 | NO | NO |
| 193365N | 007270 | MN | DODGE | CO RD 5 | CLAREMONT | PASSIVE | PASSIVE | 310 | 2 | 0 | 0.030 | 0.031 | B | 0.00146 | 685 | NO | NO |
| 193366V | 007320 | MN | DODGE | TWP 180 | CLAREMONT | PASSIVE | PASSIVE | 49 | 2 | 0 | 0.010 | 0.010 | B | 0.00057 | 1,760 | NO | NO |
| 193367C | 7370 | MN | DODGE | TWP 154 | CLAREMONT | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.010 | 0.011 | B | 0.00059 | 1,697 | NO | NO |
| 193368J | 007480 | MN | DODGE | TWP 157 | CLAREMONT | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.010 | 0.011 | B | 0.00059 | 1,697 | NO | NO |
| 193369R | 007580 | MN | DODGE | CO RD 3 | CLAREMONT | PASSIVE | PASSIVE | 570 | 2 | 0 | 0.036 | 0.037 | B | 0.00164 | 608 | NO | NO |
| 193370K | 007640 | MN | DODGE | ELM | CLAREMONT | PASSIVE | PASSIVE | 380 | 1 | 0 | 0.019 | 0.020 | B | 0.00104 | 962 | NO | NO |
| 193371S | 007680 | MN | DODGE | CO RD 1 | CLAREMONT | PASSIVE | PASSIVE | 550 | 2 | 1 | 0.092 | 0.095 | B | 0.00294 | 340 | NO | NO |
| 193307T | 007780 | MN | DODGE | TWP 171 | CLAREMONT | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.010 | 0.011 | B | 0.00059 | 1,697 | NO | NO |
| | | | | | | | Total | | | 6 | 1.002 | 1.057 | | 0.05487 | 18 | Number of crossings | |
| | | | | | | | Minimum | | | | 0.006 | 0.006 | | 0.00034 | 2,970 | in the County = | 29 |
| | | | | | | | Maximum | | | | 0.103 | 0.110 | | 0.00771 | 130 | | |
| **Steele County** | | | | | | | | | | | | | | | | | |
| 193372Y | 007980 | MN | STEELE | CO RD 16/SE 84th Ave | CLAREMONT | PASSIVE | PASSIVE | 250 | 2 | 0 | 0.025 | 0.027 | B | 0.00128 | 779 | NO | NO |
| 193373F | 008090 | MN | STEELE | SE 74TH AVE | CLAREMONT | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.010 | 0.011 | B | 0.00059 | 1,697 | NO | NO |
| 193311H | 8130 | MN | STEELE | SE 28th AVE | CLAREMONT | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.010 | 0.011 | B | 0.001 | 1,697 | NO | NO |
| 193374M | 008180 | MN | STEELE | SE 64TH ST | OWATONNA | PASSIVE | PASSIVE | 80 | 2 | 0 | 0.012 | 0.012 | B | 0.00066 | 1,510 | NO | NO |
| 193375U | 008290 | MN | STEELE | US HWY 14 | OWATONNA | FLASHING LIGHTS | FLASHING LIGHTS | 4700 | 4 | 1 | 0.102 | 0.100 | B | -0.00210 | -476 | NO | NO |
| 193376B | 008390 | MN | STEELE | SE 44th Ave/CO RD 59 | OWATONNA | PASSIVE | PASSIVE | 365 | 2 | 0 | 0.031 | 0.033 | B | 0.00151 | 663 | NO | NO |
| 193312P | 008500 | MN | STEELE | SE 34TH AVE | OWATONNA | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.010 | 0.011 | B | 0.00059 | 1,697 | NO | NO |
| 193377H | 008540 | MN | STEELE | CO RD 71 | OWATONNA | PASSIVE | PASSIVE | 155 | 2 | 0 | 0.024 | 0.026 | B | 0.00125 | 802 | NO | NO |
| 193382E | 8740 | MN | STEELE | RICE LAKE STREET | OWATONNA | FLASHING LIGHTS | FLASHING LIGHTS | 1500 | 2 | 0 | 0.026 | 0.025 | B | -0.00087 | -1,152 | NO | NO |
| 380294J | 8750 | MN | STEELE | E. Vine St | OWATONNA | PASSIVE | PASSIVE | 200 | 2 | 0 | 0.026 | 0.025 | B | -0.00100 | -1,001 | NO | NO |
| 187034M | 8760 | MN | STEELE | Chestnut St | OWATONNA | PASSIVE | PASSIVE | 200 | 1 | 0 | 0.016 | 0.015 | B | -0.00065 | -1,536 | NO | NO |
| 187033F | 008776 | MN | STEELE | ROSE ST | OWATONNA | GATES | GATES | 3515 | 2 | 0 | 0.018 | 0.017 | B | -0.00058 | -1,725 | NO | NO |
| 187032Y | 8780 | MN | STEELE | Pine Ave | OWATONNA | GATES | GATES | 2000 | 2 | 0 | 0.015 | 0.015 | B | -0.00052 | -1,929 | NO | NO |
| 193383L | 8830 | MN | STEELE | ELM AVE | OWATONNA | FLASHING LIGHTS | FLASHING LIGHTS | 2515 | 4 | 0 | 0.055 | 0.052 | B | -0.00332 | -301 | NO | NO |
| 193384T | 008840 | MN | STEELE | CEDAR AVE | OWATONNA | FLASHING LIGHTS | FLASHING LIGHTS | 6800 | 4 | 0 | 0.061 | 0.058 | B | -0.00327 | -305 | NO | NO |
| 193388V | 008890 | MN | STEELE | STATE AVE | OWATONNA | FLASHING LIGHTS | FLASHING LIGHTS | 5600 | 2 | 0 | 0.039 | 0.036 | B | -0.00305 | -327 | NO | NO |
| 193390W | 008950 | MN | STEELE | PARK DRIVE | OWATONNA | FLASHING LIGHTS | FLASHING LIGHTS | 2000 | 2 | 0 | 0.012 | 0.010 | B | -0.00125 | -803 | NO | NO |
| 193391D | 008970 | MN | STEELE | 24TH AVE/CO RD 75 | OWATONNA | FLASHING LIGHTS | FLASHING LIGHTS | 2700 | 2 | 1 | 0.079 | 0.074 | B | -0.00495 | -202 | NO | NO |
| 193392K | 009030 | MN | STEELE | 32ND AVE/TWP 229 | OWATONNA | PASSIVE | PASSIVE | 2000 | 2 | 1 | 0.050 | 0.050 | B | -0.00046 | -2,198 | NO | NO |
| 193394Y | 9250 | MN | STEELE | 52ND AVE/CO RD 17 | OWATONNA | PASSIVE | PASSIVE | 145 | 4 | 0 | 0.031 | 0.031 | B | -0.00057 | -1,766 | NO | NO |
| 193395F | 9350 | MN | STEELE | NW 62ND AVE | OWATONNA | PASSIVE | PASSIVE | 100 | 4 | 0 | 0.023 | 0.022 | B | -0.00044 | -2,262 | NO | NO |
| 193397U | 009640 | MN | STEELE | SW 92ND AVE | MERIDEN | PASSIVE | PASSIVE | 555 | 2 | 1 | 0.096 | 0.095 | B | -0.00116 | -865 | NO | NO |
| | | | | | | | Total | | | 4 | 0.773 | 0.755 | | -0.01771 | -56 | Number of crossings | |
| | | | | | | | Minimum | | | | 0.010 | 0.010 | | 0.00059 | 1,697 | in the County = | 22 |
| | | | | | | | Maximum | | | | 0.102 | 0.100 | | 0.00151 | 663 | | |
| **Waseca County** | | | | | | | | | | | | | | | | | |
| 193398B | 009780 | MN | WASECA | 178TH ST/TWP 128 | MERIDEN | PASSIVE | PASSIVE | 55 | 2 | 2 | 0.086 | 0.085 | B | -0.00061 | -1,640 | NO | NO |
| 193399H | 009930 | MN | WASECA | GOOSE LAKE XING | WASECA | PASSIVE | PASSIVE | 10 | 1 | 0 | 0.006 | 0.006 | B | -0.00013 | -7,487 | NO | NO |
| 193400A | 010090 | MN | WASECA | 145TH ST/CO RD 5 | WASECA | PASSIVE | PASSIVE | 500 | 2 | 0 | 0.037 | 0.017 | B | -0.01939 | -52 | NO | NO |
| 193403V | 010180 | MN | WASECA | 8TH STREET S.E. | WASECA | FLASHING LIGHTS | FLASHING LIGHTS | 2800 | 2 | 0 | 0.030 | 0.015 | B | -0.01483 | -67 | NO | NO |
| 193404C | 010200 | MN | WASECA | 7TH STREET SE | WASECA | PASSIVE | PASSIVE | 200 | 2 | 1 | 0.079 | 0.078 | B | -0.00094 | -1,064 | NO | NO |
| 193405J | 010220 | MN | WASECA | 5TH ST. SE | WASECA | PASSIVE | PASSIVE | 2700 | 2 | 0 | 0.056 | 0.055 | B | -0.00079 | -1,264 | NO | NO |
| 193406R | 010250 | MN | WASECA | STATE ST. | WASECA | FLASHING LIGHTS | FLASHING LIGHTS | 8900 | 2 | 0 | 0.043 | 0.040 | B | -0.00316 | -316 | NO | NO |

Pre/Post-Construction Accident Prediction Comparison
Minnesota 20 MNT
Alternative B

| FRA ID | MILEPOST | STATE | COUNTY | STREET | CITY | EXISTING DEVICE | PROPOSED DEVICE | ADT c | NO. HWY LANES | NO. OBSERVED ACCIDENTS 1993-1997 N | Estimated Annual Accident Frequency Pre-Construction | Estimated Annual Accident Frequency Post-Construction | Category | Change in Frequency | 1/Freq. | Trip Threshold | State Top 50 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 193314D | 010260 | MN | WASECA | 2ND ST. S.W. | WASECA | FLASHING LIGHTS | FLASHING LIGHTS | 1050 | 2 | 0 | 0.021 | 0.022 | B | 0.00085 | 1,172 | NO | NO |
| 193315K | 010270 | MN | WASECA | 4TH ST. S.W. | WASECA | GATES | GATES | 2700 | 2 | 0 | 0.020 | 0.020 | B | 0.00071 | 1,408 | NO | NO |
| 193317Y | 010340 | MN | WASECA | CO RD 57 | WASECA | FLASHING LIGHTS | FLASHING LIGHTS | 650 | 2 | 0 | 0.018 | 0.022 | B | 0.00390 | 256 | NO | NO |
| 193318F | 010380 | MN | WASECA | BROWN ST/CO RD 2 | WASECA | FLASHING LIGHTS | FLASHING LIGHTS | 2600 | 2 | 1 | 0.072 | 0.081 | B | 0.00947 | 106 | NO | NO |
| 193320G | 010460 | MN | WASECA | Airport/ CO RD 27 | WASECA | PASSIVE | PASSIVE | 810 | 2 | 0 | 0.033 | 0.041 | B | 0.00755 | 132 | NO | NO |
| 193322V | 010620 | MN | WASECA | CO RD 52/ 95TH ST | WASECA | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.008 | 0.011 | B | 0.00245 | 409 | NO | NO |
| 193324J | 010730 | MN | WASECA | 85TH ST/ TWP 161 | WASECA | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.009 | 0.011 | B | 0.00149 | 672 | NO | NO |
| 193326X | 010850 | MN | WASECA | CO RD 17 | JANESVILLE | PASSIVE | PASSIVE | 190 | 2 | 0 | 0.014 | 0.016 | B | 0.00217 | 460 | NO | NO |
| 193328L | 010960 | MN | WASECA | 60TH ST | JANESVILLE | PASSIVE | PASSIVE | 10 | 2 | 0 | 0.005 | 0.006 | B | 0.00085 | 1,180 | NO | NO |
| 193329T | 11020 | MN | WASECA | Twp 92 | JANESVILLE | PASSIVE | PASSIVE | 20 | 2 | 0 | 0.011 | 0.008 | B | -0.00384 | -261 | NO | NO |
| 193341A | 011090 | MN | WASECA | CO RD 33 & 66 | JANESVILLE | PASSIVE | PASSIVE | 110 | 2 | 0 | 0.012 | 0.014 | B | 0.00185 | 541 | NO | NO |
| 193342G | 11190 | MN | WASECA | COUNTY ROAD 53 | JANESVILLE | PASSIVE | PASSIVE | 100 | 2 | 0 | 0.011 | 0.013 | B | 0.002 | 557 | NO | NO |
| 193344V | 011260 | MN | WASECA | TEAL ST | JANESVILLE | PASSIVE | PASSIVE | 1100 | 2 | 0 | 0.036 | 0.044 | B | 0.00795 | 126 | NO | NO |
| 193346J | 011280 | MN | WASECA | MAIN STREET | JANESVILLE | GATES | GATES | 1900 | 2 | 0 | 0.018 | 0.019 | B | 0.00067 | 1,499 | NO | NO |
| 193348X | 011300 | MN | WASECA | CRAIG ST | JANESVILLE | PASSIVE | PASSIVE | 380 | 2 | 0 | 0.027 | 0.033 | B | 0.00651 | 154 | NO | NO |
| 193349E | 011310 | MN | WASECA | SKOOKUM ST | JANESVILLE | PASSIVE | PASSIVE | 380 | 2 | 0 | 0.016 | 0.020 | B | 0.00437 | 229 | NO | NO |
| 193354B | 011510 | MN | WASECA | CO RD 60 | JANESVILLE | PASSIVE | PASSIVE | 275 | 2 | 1 | 0.077 | 0.083 | B | 0.00655 | 153 | NO | NO |
| 193356P | 011630 | MN | WASECA | CO RD 37 | JANESVILLE | PASSIVE | PASSIVE | 460 | 2 | 1 | 0.088 | 0.096 | B | 0.00760 | 132 | NO | NO |
| | | | | | | | Total | | | 6 | 0.8343 | 0.8574 | | 0.02304 | 43 | Number of crossings | |
| | | | | | | | Minimum | | | | 0.0051 | 0.0060 | | 0.00067 | 1,499 | In the County = | 25 |
| | | | | | | | Maximum | | | | 0.088 | 0.096 | | 0.00947 | 106 | | |
| Blue Earth County | | | | | | | | | | | | | | | | | |
| 193407X | 011660 | MN | BLUE EARTH | CO RD 184 | JANESVILLE | PASSIVE | PASSIVE | 90 | 2 | 0 | 0.015 | 0.018 | B | 0.00231 | 433 | NO | NO |
| 193410F | 11750 | MN | BLUE EARTH | Twp 313 | JANESVILLE | PASSIVE | PASSIVE | 10 | 2 | 0 | 0.011 | 0.013 | B | 0.00179 | 557 | NO | NO |
| 193408E | 011870 | MN | BLUE EARTH | CO RD 185 | EAGLE LAKE | PASSIVE | PASSIVE | 75 | 2 | 0 | 0.011 | 0.013 | B | 0.00171 | 586 | NO | NO |
| 193411M | 011980 | MN | BLUE EARTH | TWP 325 | EAGLE LAKE | PASSIVE | PASSIVE | 73 | 2 | 0 | 0.010 | 0.012 | B | 0.00163 | 614 | NO | NO |
| 193414H | 012080 | MN | BLUE EARTH | TWP 332 | EAGLE LAKE | PASSIVE | PASSIVE | 39 | 2 | 0 | 0.014 | 0.017 | B | 0.00219 | 456 | NO | NO |
| 193509R | 14720 | MN | BLUE EARTH | Twp 461 | MANKATO | PASSIVE | PASSIVE | 100 | 1 | 0 | 0.010 | 0.013 | B | 0.003 | 339 | NO | NO |
| 193480V | 14890 | MN | BLUE EARTH | Judson Fort/TWP 231 | MANKATO | PASSIVE | PASSIVE | 52 | 2 | 0 | 0.009 | 0.011 | B | 0.00146 | 684 | NO | NO |
| 193481C | 14980 | MN | BLUE EARTH | CSAH 42 | MANKATO | PASSIVE | PASSIVE | 970 | 2 | 0 | 0.038 | 0.043 | B | 0.00464 | 216 | NO | NO |
| 193482J | 14990 | MN | BLUE EARTH | PARK ST/ TWP 245 | MANKATO | PASSIVE | PASSIVE | 60 | 2 | 0 | 0.017 | 0.019 | B | 0.00248 | 404 | NO | NO |
| 193483R | 15020 | MN | BLUE EARTH | PRAIRIE ST/TWP 249 | MANKATO | PASSIVE | PASSIVE | 55 | 1 | 0 | 0.009 | 0.011 | B | 0.00149 | 672 | NO | NO |
| 193484X | 15630 | MN | BLUE EARTH | CSAH 6 | NEW ULM | PASSIVE | PASSIVE | 150 | 2 | 0 | 0.023 | 0.026 | B | 0.00321 | 312 | NO | NO |
| 193485E | 15660 | MN | BLUE EARTH | TWP 236 | NEW ULM | PASSIVE | PASSIVE | 80 | 2 | 0 | 0.018 | 0.021 | B | 0.00268 | 373 | NO | NO |
| 193487T | 15810 | MN | BLUE EARTH | CSAH 45 | NEW ULM | FLASHING LIGHTS | FLASHING LIGHTS | 770 | 2 | 0 | 0.019 | 0.020 | B | 0.00078 | 1,276 | NO | NO |
| | | | | | | | Total | | | 0 | 0.205 | 0.235 | | 0.02932 | 34 | Number of crossings | |
| | | | | | | | Minimum | | | | 0.009 | 0.011 | | 0.00078 | 1,276 | In the County = | 13 |
| | | | | | | | Maximum | | | | 0.038 | 0.043 | | 0.00464 | 216 | | |
| Brown County | | | | | | | | | | | | | | | | | |
| 193571H | 16060 | MN | BROWN | Twp 97 | NEW ULM | PASSIVE | PASSIVE | 100 | 2 | 0 | 0.010 | 0.013 | B | 0.003 | 339 | NO | NO |
| 193522E | 16270 | MN | BROWN | SHAG RD/TWP 96 | NEW ULM | PASSIVE | PASSIVE | 115 | 2 | 0 | 0.018 | 0.014 | B | -0.005 | -218 | NO | NO |
| 192523L | 16310 | MN | BROWN | Tower Rd. | NEW ULM | PASSIVE | PASSIVE | 50 | 2 | 1 | 0.051 | 0.061 | B | 0.010 | 97 | NO | NO |
| 193488A | 16410 | MN | BROWN | 20TH SOUTH ST. | NEW ULM | FLASHING LIGHTS | FLASHING LIGHTS | 4500 | 4 | 0 | 0.048 | 0.050 | B | 0.00230 | 436 | NO | NO |
| 196260K | 16440 | MN | BROWN | SE 16th St | NEW ULM | PASSIVE | PASSIVE | 630 | 2 | 0 | 0.017 | 0.024 | B | 0.007 | 135 | NO | NO |
| 196261S | 16460 | MN | BROWN | S 12th St. | NEW ULM | GATES | GATES | 800 | 2 | 0 | 0.013 | 0.013 | B | 0.00047 | 2,108 | NO | NO |
| 193491H | 016490 | MN | BROWN | 7TH SOUTH ST. | NEW ULM | PASSIVE | PASSIVE | 550 | 2 | 0 | 0.028 | 0.039 | B | 0.01086 | 92 | NO | NO |
| 193492P | 16520 | MN | BROWN | 3RD SOUTH ST. | NEW ULM | FLASHING LIGHTS | FLASHING LIGHTS | 600 | 2 | 1 | 0.091 | 0.102 | B | 0.01096 | 91 | NO | NO |
| 193493W | 016540 | MN | BROWN | 1ST SOUTH ST. | NEW ULM | FLASHING LIGHTS | FLASHING LIGHTS | 1400 | 2 | 0 | 0.026 | 0.028 | B | 0.00176 | 569 | NO | NO |
| 193494D | 016550 | MN | BROWN | CENTER ST | NEW ULM | PASSIVE | PASSIVE | 1100 | 2 | 2 | 0.154 | 0.175 | A | 0.02097 | 48 | YES | YES |
| 193525A | 016558 | MN | BROWN | FIRST STREET | NEW ULM | PASSIVE | PASSIVE | 630 | 2 | 1 | 0.078 | 0.098 | B | 0.01943 | 51 | NO | NO |
| 193537U | 16570 | MN | BROWN | 3RD NORTH ST. | NEW ULM | FLASHING LIGHTS | FLASHING LIGHTS | 1750 | 2 | 1 | 0.066 | 0.068 | B | 0.00173 | 580 | NO | NO |
| 193536M | 16680 | MN | BROWN | MINNESOTA ST&17TH | NEW ULM | FLASHING LIGHTS | FLASHING LIGHTS | 970 | 2 | 0 | 0.021 | 0.021 | B | 0.00084 | 1,195 | NO | NO |

Pre/Post-Construction Accident Prediction Comparison
Minnesota 20 MNT
Alternative B

| FRA ID | MILEPOST | STATE | COUNTY | STREET | CITY | EXISTING DEVICE | PROPOSED DEVICE | ADT c | NO. HWY LANES | NO. OBSERVED ACCIDENTS 1993-1997 N | Estimated Annual Accident Frequency Pre-Construction | Estimated Annual Accident Frequency Post-Construction | Category | Change in Frequency | 1/Freq. | Trip Threshold | State Top 50 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 911203V | 16720 | MN | BROWN | N. 20th St. | NEW ULM | FLASHING LIGHTS | FLASHING LIGHTS | 3500 | 2 | 0 | 0.037 | 0.032 | B | -0.00510 | -196 | NO | NO |
| 193560N | 16800 | MN | BROWN | BOUNDARY ST. | NEW ULM | PASSIVE | PASSIVE | 630 | 2 | 1 | 0.066 | 0.072 | B | 0.00543 | 184 | NO | NO |
| 193572H | 016950 | MN | BROWN | CO RD 12 | NEW ULM | PASSIVE | PASSIVE | 75 | 2 | 0 | 0.010 | 0.011 | B | 0.00153 | 653 | NO | NO |
| 193573P | 017050 | MN | BROWN | TWP 128 | NEW ULM | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.009 | 0.011 | B | 0.00149 | 672 | NO | NO |
| 193579F | 017150 | MN | BROWN | TWP 245 | ESSIG | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.009 | 0.011 | B | 0.00149 | 672 | NO | NO |
| 193574W | 017250 | MN | BROWN | TWP 238 | ESSIG | PASSIVE | PASSIVE | 40 | 2 | 0 | 0.008 | 0.010 | B | 0.00134 | 744 | NO | NO |
| 193546T | 017310 | MN | BROWN | TWP 129 | ESSIG | PASSIVE | PASSIVE | 80 | 2 | 0 | 0.011 | 0.012 | B | 0.00168 | 597 | NO | NO |
| 193575D | 017360 | MN | BROWN | CO RD 11/ CENTER ST | ESSIG | PASSIVE | PASSIVE | 790 | 2 | 0 | 0.029 | 0.033 | B | 0.00385 | 260 | NO | NO |
| 193547A | 017370 | MN | BROWN | Essig W St/ TWP 131 | ESSIG | PASSIVE | PASSIVE | 780 | 2 | 0 | 0.036 | 0.041 | B | 0.00447 | 224 | NO | NO |
| 193548G | 017510 | MN | BROWN | TWP 141 | ESSIG | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.009 | 0.011 | B | 0.00149 | 672 | NO | NO |
| 193577S | 17670 | MN | BROWN | CO RD 10 | SLEEPY EYE | PASSIVE | PASSIVE | 140 | 2 | 0 | 0.023 | 0.026 | B | 0.00321 | 312 | NO | NO |
| 193578Y | 017780 | MN | BROWN | TWP 225 | ESSIG | PASSIVE | PASSIVE | 116 | 2 | 1 | 0.046 | 0.054 | B | 0.00816 | 123 | NO | NO |
| 193558M | 017970 | MN | BROWN | 1ST N W. | SLEEPY EYE | FLASHING LIGHTS | FLASHING LIGHTS | 3400 | 2 | 0 | 0.043 | 0.045 | B | 0.00127 | 784 | NO | NO |
| 193557F | 017980 | MN | BROWN | 2ND NW. | SLEEPY EYE | FLASHING LIGHTS | FLASHING LIGHTS | 3100 | 2 | 0 | 0.027 | 0.025 | B | -0.00204 | -489 | NO | NO |
| 193584C | 017990 | MN | BROWN | 4TH AVE DR/ CSAH | SLEEPY EYE | PASSIVE | PASSIVE | 1200 | 2 | 0 | 0.034 | 0.042 | B | 0.00769 | 130 | NO | NO |
| 193553D | 018040 | MN | BROWN | 9TH AVE SE | SLEEPY EYE | PASSIVE | PASSIVE | 850 | 2 | 1 | 0.083 | 0.096 | B | 0.01277 | 78 | NO | NO |
| 193554K | 018090 | MN | BROWN | Golf Course/TWP 218 | SLEEPY EYE | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.009 | 0.011 | B | 0.00149 | 672 | NO | NO |
| 193588E | 018280 | MN | BROWN | TWP 138 | SLEEPY EYE | PASSIVE | PASSIVE | 40 | 2 | 0 | 0.008 | 0.010 | B | 0.00134 | 744 | NO | NO |
| 193589L | 018380 | MN | BROWN | CO RD 8 | SLEEPY EYE | PASSIVE | PASSIVE | 300 | 2 | 2 | 0.144 | 0.156 | A | 0.01110 | 90 | YES | YES |
| 193590F | 018600 | MN | BROWN | CO RD 7 | COBDEN | PASSIVE | PASSIVE | 130 | 2 | 0 | 0.021 | 0.024 | B | 0.00304 | 329 | NO | NO |
| 193591M | 018610 | MN | BROWN | CENTER ST | COBDEN | PASSIVE | PASSIVE | 380 | 2 | 0 | 0.018 | 0.020 | B | 0.00264 | 378 | NO | NO |
| 193592U | 018700 | MN | BROWN | TWP 3 | COBDEN | PASSIVE | PASSIVE | 48 | 2 | 0 | 0.009 | 0.010 | B | 0.00143 | 701 | NO | NO |
| 193594H | 018870 | MN | BROWN | TWP 191 | COBDEN | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.007 | 0.011 | B | 0.00358 | 279 | NO | NO |
| 193595P | 018940 | MN | BROWN | MN HWY 258 | SPRINGFIELD | FLASHING LIGHTS | FLASHING LIGHTS | 370 | 2 | 0 | 0.020 | 0.017 | B | -0.00337 | -297 | NO | NO |
| 193596W | 019050 | MN | BROWN | TWP 90 | SPRINGFIELD | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.009 | 0.011 | B | 0.00149 | 672 | NO | NO |
| 193610P | 019140 | MN | BROWN | TWP 85 | SPRINGFIELD | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.009 | 0.011 | B | 0.00149 | 672 | NO | NO |
| 911204C | 19260 | MN | BROWN | Cnty Rd 5 | SPRINGFIELD | PASSIVE | PASSIVE | 1250 | 2 | 1 | 0.102 | 0.111 | B | 0.00868 | 115 | NO | NO |
| 193612D | 19270 | MN | BROWN | SANDBORN ST | SPRINGFIELD | PASSIVE | PASSIVE | 200 | 2 | 0 | 0.013 | 0.017 | B | 0.00364 | 275 | NO | NO |
| 193613K | 019290 | MN | BROWN | WASHINGTON AVE. | SPRINGFIELD | PASSIVE | PASSIVE | 380 | 2 | 0 | 0.027 | 0.033 | B | 0.00651 | 154 | NO | NO |
| 193599S | 019300 | MN | BROWN | LINCOLN ST | SPRINGFIELD | PASSIVE | PASSIVE | 380 | 2 | 0 | 0.024 | 0.033 | B | 0.00970 | 103 | NO | NO |
| 193614S | 019310 | MN | BROWN | CASS AVE. | SPRINGFIELD | FLASHING LIGHTS | FLASHING LIGHTS | 1650 | 2 | 0 | 0.032 | 0.029 | B | -0.00226 | -442 | NO | NO |
| 193616F | 019330 | MN | BROWN | OCONNELL AVE. | SPRINGFIELD | PASSIVE | PASSIVE | 770 | 2 | 1 | 0.092 | 0.107 | B | 0.01409 | 71 | NO | NO |
| 193600J | 019360 | MN | BROWN | BURNS AVE | SPRINGFIELD | PASSIVE | PASSIVE | 380 | 2 | 0 | 0.024 | 0.033 | B | 0.00970 | 103 | NO | NO |
| 193859H | 019410 | MN | BROWN | CO RD 4 | SPRINGFIELD | FLASHING LIGHTS | FLASHING LIGHTS | 410 | 2 | 0 | 0.021 | 0.018 | B | -0.00291 | -344 | NO | NO |
| 193710U | 019760 | MN | BROWN | CO RD 2 | SANBORN | PASSIVE | PASSIVE | 160 | 2 | 0 | 0.020 | 0.026 | B | 0.00532 | 188 | NO | NO |
| | | | | | | | Total | | | 13 | 1.712 | 1.923 | | 0.21078 | 5 | Number of crossings | |
| | | | | | | | Minimum | | | | 0.007 | 0.010 | | 0.00047 | 2,108 | In the County = | 48 |
| | | | | | | | Maximum | | | | 0.154 | 0.175 | | 0.02097 | 48 | | |
| **Redwood County** | | | | | | | | | | | | | | | | | |
| 193711B | 020050 | MN | REDWOOD | TWP 2 | SANBORN | PASSIVE | PASSIVE | 56 | 2 | 0 | 0.008 | 0.011 | B | 0.00246 | 407 | NO | NO |
| 193664V | 020080 | MN | REDWOOD | TWP 153 | SANBORN | PASSIVE | PASSIVE | 146 | 2 | 0 | 0.010 | 0.015 | B | 0.00486 | 206 | NO | NO |
| 197897F | 020170 | MN | REDWOOD | MAIN ST. | SANBORN | FLASHING LIGHTS | FLASHING LIGHTS | 1300 | 2 | 0 | 0.038 | 0.036 | B | -0.00251 | -398 | NO | NO |
| 197896Y | 020180 | MN | REDWOOD | SOUTH ST. | SANBORN | PASSIVE | PASSIVE | 380 | 2 | 0 | 0.018 | 0.020 | B | 0.00203 | 492 | NO | NO |
| 193669E | 020260 | MN | REDWOOD | TWP 149 | SANBORN | PASSIVE | PASSIVE | 73 | 2 | 0 | 0.010 | 0.012 | B | 0.00163 | 614 | NO | NO |
| 193671F | 020370 | MN | REDWOOD | TWP 147 & 148 | SANBORN | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.007 | 0.011 | B | 0.00358 | 279 | NO | NO |
| 197895S | 020880 | MN | REDWOOD | MAIN ST. | LAMBERTON | FLASHING LIGHTS | FLASHING LIGHTS | 380 | 2 | 0 | 0.021 | 0.025 | B | 0.00430 | 232 | NO | NO |
| 197894K | 020910 | MN | REDWOOD | ILEX ST./ CO RD 6 | LAMBERTON | FLASHING LIGHTS | FLASHING LIGHTS | 1300 | 2 | 0 | 0.032 | 0.027 | B | -0.00469 | -213 | NO | NO |
| 193712H | 21090 | MN | REDWOOD | TWP 190 | LAMBERTON | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.009 | 0.011 | B | 0.00149 | 672 | NO | NO |
| 193713P | 021300 | MN | REDWOOD | TWP 184 | REVERE | PASSIVE | PASSIVE | 99 | 2 | 0 | 0.009 | 0.013 | B | 0.00431 | 232 | NO | NO |
| 197789J | 021370 | MN | REDWOOD | MAIN ST/ CO RD 127 | REVERE | FLASHING LIGHTS | FLASHING LIGHTS | 510 | 2 | 0 | 0.024 | 0.020 | B | -0.00385 | -260 | NO | NO |
| 193714W | 021410 | MN | REDWOOD | CO RD 7 | REVERE | PASSIVE | PASSIVE | 320 | 2 | 0 | 0.028 | 0.032 | B | 0.00376 | 266 | NO | NO |
| 193715D | 021500 | MN | REDWOOD | CO RD 178 | REVERE | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.009 | 0.011 | B | 0.00149 | 672 | NO | NO |

Pre/Post-Construction Accident Prediction Comparison
Minnesota 20 MNT
Alternative B

| FRA ID | MILEPOST | STATE | COUNTY | STREET | CITY | EXISTING DEVICE | PROPOSED DEVICE | ADT c | NO. HWY LANES | NO. OBSERVED ACCIDENTS 1993-1997 N | Estimated Annual Accident Frequency Pre-Construction | Estimated Annual Accident Frequency Post-Construction | Category | Change in Frequency | 1/Freq. | Trip Threshold | State Top 50 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 193716K | 021610 | MN | REDWOOD | CO RD 10 | WALNUT GROVE | PASSIVE | PASSIVE | 125 | 2 | 0 | 0.021 | 0.024 | B | 0.00301 | 332 | NO | NO |
| 193717S | 021710 | MN | REDWOOD | TWP 127 | WALNUT GROVE | PASSIVE | PASSIVE | 44 | 2 | 0 | 0.009 | 0.010 | B | 0.00139 | 721 | NO | NO |
| 193718Y | 021810 | MN | REDWOOD | CO RD 80 | WALNUT GROVE | PASSIVE | PASSIVE | 530 | 2 | 0 | 0.032 | 0.037 | B | 0.00417 | 240 | NO | NO |
| 193719F | 021880 | MN | REDWOOD | 1ST ST | WALNUT GROVE | PASSIVE | PASSIVE | 49 | 2 | 1 | 0.041 | 0.047 | B | 0.00620 | 161 | NO | NO |
| 197893D | 021900 | MN | REDWOOD | 6TH ST. | WALNUT GROVE | FLASHING LIGHTS | FLASHING LIGHTS | 900 | 2 | 0 | 0.000 | 0.024 | B | 0.02437 | 41 | NO | NO |
| 197892W | 21920 | MN | REDWOOD | CO RD 5 | WALNUT GROVE | FLASHING LIGHTS | FLASHING LIGHTS | 1000 | 2 | 0 | 0.027 | 0.025 | B | -0.00205 | -488 | NO | NO |
| 193721G | 022110 | MN | REDWOOD | CO RD 75 | WALNUT GROVE | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.007 | 0.010 | B | 0.00224 | 446 | NO | NO |
| 193692Y | 022220 | MN | REDWOOD | TWO 160 | WALNUT GROVE | PASSIVE | PASSIVE | 40 | 2 | 0 | 0.007 | 0.010 | B | 0.00224 | 446 | NO | NO |
| 193694M | 022320 | MN | REDWOOD | TWP 158 | WALNUT GROVE | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.007 | 0.011 | B | 0.00335 | 299 | NO | NO |
| 193696B | 022410 | MN | REDWOOD | TWP 154 (County Line) | TRACY | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.007 | 0.011 | B | 0.00335 | 299 | NO | NO |
| 193697H | 022510 | MN | REDWOOD | TWP 18 | TRACY | PASSIVE | PASSIVE | 37 | 2 | 0 | 0.006 | 0.009 | B | 0.00383 | 261 | NO | NO |
| | | | | | | | **Total** | | | **1** | **0.391** | **0.462** | | **0.07097** | **14** | **Number of crossings** | |
| | | | | | | | **Minimum** | | | | **0.000** | **0.009** | | **0.00139** | **721** | **In the County =** | **24** |
| | | | | | | | **Maximum** | | | | **0.041** | **0.047** | | **0.02437** | **41** | | |
| **Lyon County** | | | | | | | | | | | | | | | | | |
| 193722N | 022650 | MN | LYON | CENTER ST | TRACY | GATES | GATES | 1450 | 4 | 0 | 0.025 | 0.028 | B | 0.00286 | 350 | NO | NO |
| 193741T | 022660 | MN | LYON | 4TH ST. | TRACY | GATES | GATES | 2200 | 2 | 1 | 0.020 | 0.051 | B | 0.03093 | 32 | NO | NO |
| 193742A | 022720 | MN | LYON | HIGHLINE RD 73 | TRACY | PASSIVE | PASSIVE | 650 | 2 | 0 | 0.033 | 0.039 | B | 0.00533 | 188 | NO | NO |
| 193699W | 022800 | MN | LYON | CO RD 14 | TRACY | PASSIVE | PASSIVE | 320 | 2 | 2 | 0.128 | 0.140 | A | 0.01200 | 83 | YES | YES |
| 193700N | 022830 | MN | LYON | TWP 227 | TRACY | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.009 | 0.011 | B | 0.00182 | 550 | NO | NO |
| 193702C | 022950 | MN | LYON | CO RD 14 | TRACY | PASSIVE | PASSIVE | 225 | 2 | 0 | 0.024 | 0.029 | B | 0.00426 | 235 | NO | NO |
| 193708T | 023150 | MN | LYON | TWP 217 | GARVIN | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.009 | 0.011 | B | 0.00182 | 550 | NO | NO |
| 193709A | 023250 | MN | LYON | TWP 208 | GARVIN | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.007 | 0.011 | B | 0.00358 | 279 | NO | NO |
| 193810Y | 023350 | MN | LYON | US HWY 59 | GARVIN | FLASHING LIGHTS | FLASHING LIGHTS | 1350 | 2 | 0 | 0.027 | 0.024 | B | -0.00352 | -284 | NO | NO |
| 193757P | 023390 | MN | LYON | 1ST ST | GARVIN | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.009 | 0.011 | B | 0.00182 | 550 | NO | NO |
| 193758W | 023450 | MN | LYON | TWP 201 | GARVIN | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.009 | 0.011 | B | 0.00182 | 550 | NO | NO |
| 193759D | 023550 | MN | LYON | TWP 194 | GARVIN | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.009 | 0.011 | B | 0.00182 | 550 | NO | NO |
| 193743G | 023660 | MN | LYON | CO RD 7 | BALATON | PASSIVE | PASSIVE | 155 | 2 | 0 | 0.022 | 0.026 | B | 0.00390 | 257 | NO | NO |
| 193744N | 023760 | MN | LYON | TWP 190 | BALATON | PASSIVE | PASSIVE | 73 | 2 | 0 | 0.010 | 0.012 | B | 0.00199 | 503 | NO | NO |
| 193745V | 023860 | MN | LYON | TWP 27 | BALATON | PASSIVE | PASSIVE | 5 | 2 | 0 | 0.003 | 0.005 | B | 0.00159 | 629 | NO | NO |
| 193797M | 023940 | MN | LYON | 2ND ST. | BALATON | FLASHING LIGHTS | FLASHING LIGHTS | 1050 | 2 | 1 | 0.065 | 0.067 | B | 0.00171 | 585 | NO | NO |
| 193748R | 023990 | MN | LYON | CO RD 5 | BALATON | FLASHING LIGHTS | FLASHING LIGHTS | 710 | 2 | 0 | 0.022 | 0.019 | B | -0.00304 | -329 | NO | NO |
| 193751Y | 024180 | MN | LYON | TWP 14 | BALATON | PASSIVE | PASSIVE | 38 | 2 | 0 | 0.008 | 0.010 | B | 0.00161 | 619 | NO | NO |
| 193752F | 024230 | MN | LYON | TWP 176 | BALATON | PASSIVE | PASSIVE | 45 | 2 | 0 | 0.008 | 0.010 | B | 0.00171 | 586 | NO | NO |
| 193753M | 024330 | MN | LYON | TWP 244 | BALATON | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.007 | 0.011 | B | 0.00358 | 279 | NO | NO |
| 193755B | 024440 | MN | LYON | MN HWY 91 | BALATON | FLASHING LIGHTS | FLASHING LIGHTS | 495 | 2 | 0 | 0.020 | 0.020 | B | 0.00017 | 5,993 | NO | NO |
| 193725J | 024590 | MN | LYON | TWP 15 | BALATON | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.016 | 0.018 | B | 0.00296 | 338 | NO | NO |
| 193726R | 024640 | MN | LYON | CO RD 13 | TYLER | PASSIVE | PASSIVE | 50 | 2 | 0 | 0.015 | 0.018 | B | 0.00288 | 347 | NO | NO |
| 193730F | 024920 | MN | LYON | TWP 262 | TYLER | PASSIVE | PASSIVE | 16 | 2 | 0 | 0.006 | 0.007 | B | 0.00121 | 825 | NO | NO |
| 193732U | 024980 | MN | LYON | CO RD 51 | TYLER | PASSIVE | PASSIVE | 15 | 2 | 0 | 0.006 | 0.007 | B | 0.00119 | 843 | NO | NO |
| | | | | | | | **Total** | | | **4** | **0.517** | **0.603** | | **0.08598** | **12** | **Number of crossings** | |
| | | | | | | | **Minimum** | | | | **0.003** | **0.005** | | **0.00017** | **5,993** | **In the County =** | **25** |
| | | | | | | | **Maximum** | | | | **0.128** | **0.140** | | **0.03093** | **32** | | |
| **Lincoln County** | | | | | | | | | | | | | | | | | |
| 193734H | 025180 | MN | LINCOLN | TWP 82 | TYLER | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.009 | 0.011 | B | 0.00182 | 550 | NO | NO |
| 193736W | 025290 | MN | LINCOLN | CO RD 115 | TYLER | PASSIVE | PASSIVE | 380 | 2 | 0 | 0.017 | 0.020 | B | 0.00323 | 309 | NO | NO |
| 193798U | 025340 | MN | LINCOLN | WILLOW ST | TYLER | PASSIVE | PASSIVE | 380 | 2 | 1 | 0.071 | 0.089 | B | 0.01746 | 57 | NO | NO |
| 193799B | 025350 | MN | LINCOLN | TYLER ST | TYLER | GATES | GATES | 3150 | 2 | 0 | 0.018 | 0.019 | B | 0.00067 | 1,502 | NO | NO |
| 193800T | 025380 | MN | LINCOLN | CO RD 8 | TYLER | GATES | GATES | 1000 | 2 | 0 | 0.017 | 0.014 | B | -0.00241 | -415 | NO | NO |
| 193737D | 025490 | MN | LINCOLN | TWP 90 | TYLER | PASSIVE | PASSIVE | 59 | 2 | 0 | 0.009 | 0.011 | B | 0.00186 | 538 | NO | NO |
| 193740L | 025590 | MN | LINCOLN | TWP 96 | TYLER | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.009 | 0.011 | B | 0.00182 | 550 | NO | NO |
| 193761E | 025690 | MN | LINCOLN | CO RD 111 | TYLER | PASSIVE | PASSIVE | 95 | 2 | 0 | 0.011 | 0.013 | B | 0.00216 | 463 | NO | NO |

Pre/Post-Construction Accident Prediction Comparison
Minnesota 20 MNT
Alternative B

| FRA ID | MILEPOST | STATE | COUNTY | STREET | CITY | EXISTING DEVICE | PROPOSED DEVICE | ADT c | NO. HWY LANES | NO. OBSERVED ACCIDENTS 1993-1997 N | Estimated Annual Accident Frequency | | Category | Change in Frequency | 1/Freq. | Trip Threshold | State Top 50 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | Pre-Construction | Post-Construction | | | | | |
| 193762L | 025790 | MN | LINCOLN | TWP 100 | LAKE BENTON | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.009 | 0.011 | B | 0.00182 | 550 | NO | NO |
| 193764A | 025900 | MN | LINCOLN | TWP 104 | LAKE BENTON | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.007 | 0.011 | B | 0.00358 | 279 | NO | NO |
| 193801A | 026160 | MN | LINCOLN | CENTER ST. | LAKE BENTON | GATES | GATES | 1100 | 2 | 0 | 0.015 | 0.013 | B | -0.00221 | -452 | NO | NO |
| 193802G | 026190 | MN | LINCOLN | BENTON ST. | LAKE BENTON | PASSIVE | PASSIVE | 450 | 2 | 1 | 0.083 | 0.091 | B | 0.00893 | 112 | NO | NO |
| 193768C | 026330 | MN | LINCOLN | TWP 100 | LAKE BENTON | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.009 | 0.011 | B | 0.00182 | 550 | NO | NO |
| 193769J | 026480 | MN | LINCOLN | TWP 7 | LAKE BENTON | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.007 | 0.011 | B | 0.00358 | 279 | NO | NO |
| 193770D | 026590 | MN | LINCOLN | CO RD 9 | VERDI | FLASHING LIGHTS | FLASHING LIGHTS | 450 | 2 | 0 | 0.019 | 0.019 | B | 0.00016 | 6,142 | NO | NO |
| 193771K | 026730 | MN | LINCOLN | TWP 129 | VERDI | PASSIVE | PASSIVE | 50 | 2 | 0 | 0.009 | 0.010 | B | 0.00176 | 567 | NO | NO |
| 193773Y | 026750 | MN | LINCOLN | CO RD 9 | VERDI | PASSIVE | PASSIVE | 150 | 2 | 0 | 0.021 | 0.025 | B | 0.00387 | 259 | NO | NO |
| 193772S | 026780 | MN | LINCOLN | MAIN STREET | VERDI | PASSIVE | PASSIVE | 23 | 2 | 0 | 0.007 | 0.008 | B | 0.00137 | 731 | NO | NO |
| 193776U | 026830 | MN | LINCOLN | CO RD 2 | VERDI | PASSIVE | PASSIVE | 75 | 2 | 0 | 0.017 | 0.020 | B | 0.00323 | 310 | NO | NO |
| 193780J | 026940 | MN | LINCOLN | TW[ 132 | VERDI | PASSIVE | PASSIVE | 720 | 2 | 0 | 0.021 | 0.025 | B | 0.00382 | 262 | NO | NO |
| 193782X | 27040 | MN | LINCOLN | TWP 133 | VERDI | PASSIVE | PASSIVE | 40 | 2 | 0 | 0.014 | 0.010 | B | -0.00428 | -234 | NO | NO |
| 193783E | 027140 | MN | LINCOLN | CO RD 1 | ELKTON | PASSIVE | PASSIVE | 110 | 2 | 0 | 0.014 | 0.023 | B | 0.00905 | 111 | NO | NO |
| 193784L | 027250 | MN | LINCOLN | TWP 138 | ELKTON | PASSIVE | PASSIVE | 44 | 2 | 0 | 0.000 | 0.010 | B | 0.01001 | 100 | NO | NO |
| | | | | | | | Total | | | 2 | 0.413 | 0.486 | | 0.07310 | 14 | Number of crossings | |
| | | | | | | | Minimum | | | | 0.000 | 0.008 | | 0.00016 | 6,142 | in the County = | 23 |
| | | | | | | | Maximum | | | | 0.083 | 0.091 | | 0.01746 | 57 | | |

Pre-Construction Accident Prediction Summary
Minnesota 50 MNT
Alternative B

| FRA ID | MILEPOST | STATE | COUNTY | STREET | CITY | EXISTING DEVICE | ADT c | TRNS PER DAY t | NO. THRU TRNS/DAY DAYLIGHT d | MAX. TT SPEED (MPH) | NO. MAIN TRKS | HWY PAVED YES=1 NO=2 | NO. HWY LANES | BASIC FORMULA INITIAL (ACCIDENTS/YR) a | NO. YRS T | NO. OBSERVED ACCIDENTS 1993-1997 N | PREDICTED ACCIDENTS PER YR B | Estimated Annual Accident Frequency A |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Segment 1 Winona to Lewiston MP 0 to 18.4 | | | | | | | | | | | | | | | | | | |
| 193171H | 000520 | MN | WINONA | Martina & 11th St. | WINONA | PASSIVE | 460 | 10 | 6 | 40 | 1 | 2 | 1 | 0.040 | 5 | 0 | 0.027 | 0.020 |
| 193197K | 000620 | MN | WINONA | Canton Mills | MINNESOTA CITY | PASSIVE | 100 | 10 | 6 | 40 | 1 | 2 | 1 | 0.023 | 5 | 0 | 0.017 | 0.012 |
| 193200R | 000860 | MN | WINONA | CO RD 23 | MINNESOTA CITY | FLASHING LIGHTS | 2500 | 10 | 6 | 30 | 1 | 1 | 2 | 0.089 | 5 | 0 | 0.053 | 0.028 |
| 193176S | 000930 | MN | WINONA | CO RD 6 | STOCKTON | PASSIVE | 55 | 10 | 6 | 30 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 193201X | 001110 | MN | WINONA | MAIN ST/ CO RD 23 | STOCKTON | FLASHING LIGHTS | 1750 | 10 | 6 | 30 | 1 | 1 | 2 | 0.077 | 5 | 0 | 0.047 | 0.025 |
| 193206G | 001680 | MN | WINONA | Dutchman/ TWP 1 | LEWISTON | PASSIVE | 55 | 10 | 6 | 30 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 193207N | 001780 | MN | WINONA | CO RD 25 | LEWISTON | FLASHING LIGHTS | 1850 | 10 | 6 | 30 | 1 | 1 | 2 | 0.079 | 5 | 0 | 0.048 | 0.025 |
| 193209C | 001840 | MN | WINONA | FREMONT STREET | LEWISTON | GATES | 1700 | 10 | 6 | 30 | 1 | 1 | 2 | 0.040 | 5 | 0 | 0.028 | 0.014 |
| Segment 2 Lewiston to Owatonna MP 18.4 to 88.1 | | | | | | | | | | | | | | | | | | |
| 193210W | 190 | MN | WINONA | Golf Crossing | | PASSIVE | 55 | 12 | 8 | 30 | 1 | 2 | 1 | 0.018 | 5 | 0 | 0.014 | 0.010 |
| 193211D | 002090 | MN | WINONA | TWP 13 | UTICA | PASSIVE | 55 | 12 | 8 | 30 | 1 | 2 | 2 | 0.018 | 5 | 0 | 0.014 | 0.010 |
| 193247L | 002190 | MN | WINONA | CO RD 18 | UTICA | PASSIVE | 200 | 12 | 8 | 35 | 1 | 1 | 2 | 0.056 | 5 | 0 | 0.037 | 0.026 |
| 193248T | 002270 | MN | WINONA | CENTER STREET | UTICA | FLASHING LIGHTS | 950 | 12 | 8 | 35 | 1 | 1 | 2 | 0.066 | 5 | 2 | 0.189 | 0.100 |
| 193249A | 2300 | MN | WINONA | 2nd. Avenue | UTICA | PASSIVE | 39 | 12 | 8 | 35 | 1 | 2 | 1 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 193250U | 002400 | MN | WINONA | TWP 5 | UTICA | PASSIVE | 55 | 12 | 8 | 35 | 1 | 2 | 2 | 0.019 | 5 | 0 | 0.014 | 0.010 |
| 193251B | 2540 | MN | WINONA | CO RD 37 | UTICA | PASSIVE | 180 | 12 | 8 | 35 | 1 | 2 | 2 | 0.030 | 5 | 0 | 0.021 | 0.015 |
| 193253P | 2650 | MN | WINONA | TWP 13 | ST CHARLES | PASSIVE | 55 | 12 | 8 | 35 | 1 | 2 | 2 | 0.019 | 5 | 0 | 0.014 | 0.010 |
| 193193H | 2780 | MN | WINONA | Terry Drive | ST CHARLES | FLASHING LIGHTS | 500 | 12 | 8 | 35 | 2 | 1 | 2 | 0.061 | 5 | 0 | 0.039 | 0.021 |
| 193254W | 002820 | MN | WINONA | RICHLAND AVE | ST CHARLES | PASSIVE | 380 | 12 | 8 | 35 | 2 | 1 | 2 | 0.071 | 5 | 0 | 0.044 | 0.032 |
| 193255D | 002840 | MN | WINONA | WHITEWATER | ST CHARLES | GATES | 4050 | 12 | 8 | 35 | 2 | 1 | 4 | 0.088 | 5 | 0 | 0.052 | 0.026 |
| 193256K | 002850 | MN | WINONA | ST. CHARLES AVE | ST CHARLES | PASSIVE | 780 | 12 | 8 | 35 | 1 | 1 | 2 | 0.093 | 5 | 0 | 0.054 | 0.039 |
| 193257S | 002870 | MN | WINONA | W. 11TH STREET | ST CHARLES | PASSIVE | 480 | 12 | 8 | 35 | 1 | 1 | 2 | 0.078 | 5 | 0 | 0.047 | 0.034 |
| 193194P | 2900 | MN | WINONA | CO RD 126/WEST END | ST CHARLES | PASSIVE | 380 | 12 | 8 | 30 | 1 | 1 | 2 | 0.069 | 5 | 0 | 0.043 | 0.031 |
| 193258Y | 003010 | MN | OLMSTED | TWP 668 | ST CHARLES | PASSIVE | 25 | 12 | 8 | 35 | 1 | 2 | 2 | 0.014 | 5 | 0 | 0.011 | 0.008 |
| 193259F | 003040 | MN | OLMSTED | 19TH AVE/TWP 591 | DOVER | PASSIVE | 25 | 12 | 8 | 35 | 1 | 2 | 2 | 0.014 | 5 | 0 | 0.011 | 0.008 |
| 193195W | 003090 | MN | OLMSTED | TWP 667 | DOVER | PASSIVE | 25 | 12 | 8 | 30 | 1 | 2 | 1 | 0.014 | 5 | 0 | 0.010 | 0.007 |
| 193260A | 003220 | MN | OLMSTED | CHATFIELD ST | DOVER | FLASHING LIGHTS | 1300 | 12 | 8 | 35 | 1 | 1 | 2 | 0.075 | 5 | 1 | 0.123 | 0.065 |
| 193261G | 003420 | MN | OLMSTED | CSAH 32 | DOVER | PASSIVE | 200 | 12 | 8 | 35 | 1 | 2 | 2 | 0.031 | 5 | 0 | 0.022 | 0.016 |
| 193262N | 003530 | MN | OLMSTED | 140th Ave SE/TWP 90 | EYOTA | PASSIVE | 50 | 12 | 8 | 35 | 1 | 2 | 2 | 0.019 | 5 | 0 | 0.014 | 0.010 |
| 193263V | 003680 | MN | OLMSTED | CENTER AVE/CSAH 7 | EYOTA | GATES | 2300 | 12 | 8 | 35 | 3 | 1 | 4 | 0.086 | 5 | 0 | 0.051 | 0.025 |
| 193289X | 006130 | MN | DODGE | CO RD 15 | BYRON | PASSIVE | 670 | 12 | 8 | 35 | 1 | 1 | 2 | 0.088 | 5 | 1 | 0.134 | 0.096 |
| 193290S | 006230 | MN | DODGE | TWP 30 | KASSON | PASSIVE | 55 | 12 | 8 | 35 | 1 | 2 | 2 | 0.019 | 5 | 0 | 0.014 | 0.010 |
| 193291Y | 006350 | MN | DODGE | MANTORVILLE AVE. | KASSON | GATES | 2750 | 12 | 8 | 35 | 1 | 1 | 2 | 0.051 | 5 | 0 | 0.034 | 0.017 |
| 193292F | 006360 | MN | DODGE | SECOND AVE N.W. | KASSON | PASSIVE | 610 | 12 | 8 | 35 | 1 | 1 | 2 | 0.085 | 5 | 0 | 0.051 | 0.036 |
| 193293M | 006370 | MN | DODGE | THIRD AVE NW | KASSON | PASSIVE | 360 | 12 | 8 | 35 | 1 | 1 | 2 | 0.070 | 5 | 0 | 0.044 | 0.031 |
| 193294U | 006430 | MN | DODGE | EIGHTH AVE. N.W. | KASSON | PASSIVE | 860 | 12 | 8 | 35 | 2 | 1 | 2 | 0.096 | 5 | 0 | 0.056 | 0.040 |
| 196630L | 006520 | MN | DODGE | US HWY 14 | KASSON | FLASHING LIGHTS | 7900 | 12 | 8 | 30 | 1 | 1 | 2 | 0.158 | 5 | 0 | 0.077 | 0.041 |
| 193296H | 006530 | MN | DODGE | CO RD 34/ TWP 134 | KASSON | PASSIVE | 60 | 12 | 8 | 35 | 1 | 2 | 2 | 0.020 | 5 | 0 | 0.015 | 0.011 |
| 193357W | 006630 | MN | DODGE | CO RD 9 | KASSON | PASSIVE | 540 | 12 | 8 | 35 | 1 | 1 | 2 | 0.081 | 5 | 0 | 0.049 | 0.035 |
| 193358D | 006740 | MN | DODGE | TWP 139 | DODGE CENTER | PASSIVE | 45 | 12 | 8 | 35 | 1 | 2 | 2 | 0.018 | 5 | 0 | 0.013 | 0.010 |
| 193359K | 006840 | MN | DODGE | AIRPORT DRIVE S. | DODGE CENTER | PASSIVE | 135 | 12 | 8 | 35 | 2 | 1 | 2 | 0.049 | 5 | 0 | 0.033 | 0.023 |
| 193297P | 006890 | MN | DODGE | 4TH AVE. S.E. | DODGE CENTER | PASSIVE | 380 | 12 | 8 | 20 | 1 | 2 | 2 | 0.035 | 5 | 2 | 0.144 | 0.103 |
| 193360E | 006900 | MN | DODGE | SECOND AVE. S.E. | DODGE CENTER | PASSIVE | 380 | 12 | 8 | 20 | 2 | 1 | 2 | 0.063 | 5 | 0 | 0.041 | 0.029 |
| 193361L | 006910 | MN | DODGE | FIRST AVE. S.E. | DODGE CENTER | PASSIVE | 380 | 12 | 8 | 20 | 1 | 1 | 2 | 0.063 | 5 | 0 | 0.041 | 0.029 |
| 193298W | 006920 | MN | DODGE | CENTRAL AVE | DODGE CENTER | PASSIVE | 380 | 12 | 8 | 20 | 2 | 1 | 2 | 0.063 | 5 | 1 | 0.113 | 0.081 |
| 193362T | 006930 | MN | DODGE | FIRST AVE S.W. | DODGE CENTER | PASSIVE | 380 | 12 | 8 | 35 | 1 | 1 | 2 | 0.071 | 5 | 0 | 0.044 | 0.032 |
| 193299D | 006940 | MN | DODGE | 2ND AVE. S.W. | DODGE CENTER | PASSIVE | 380 | 12 | 8 | 35 | 1 | 1 | 2 | 0.071 | 5 | 0 | 0.044 | 0.032 |
| 193363A | 006950 | MN | DODGE | THIRD AVE NW/ TH 56 | DODGE CENTER | FLASHING LIGHTS | 3300 | 12 | 8 | 35 | 1 | 1 | 2 | 0.110 | 5 | 1 | 0.150 | 0.079 |
| 193300V | 007000 | MN | DODGE | CO RD H | DODGE CENTER | PASSIVE | 500 | 12 | 8 | 35 | 1 | 1 | 2 | 0.079 | 5 | 0 | 0.048 | 0.034 |

Pre-Construction Accident Prediction Summary
Minnesota 50 MNT
Alternative B

| FRA ID | MILEPOST | STATE | COUNTY | STREET | CITY | EXISTING DEVICE | ADT c | TRNS PER DAY t | NO. THRU TRNS/DAY DAYLIGHT d | MAX. TT SPEED (MPH) | NO. MAIN TRKS | HWY PAVED YES=1 NO=2 | NO. HWY LANES | BASIC FORMULA INITIAL (ACCIDENTS/YR) a | NO. YRS T | NO. OBSERVED ACCIDENTS 1993-1997 N | PREDICTED ACCIDENTS PER YR B | Estimated Annual Accident Frequency A |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 193364G | 007140 | MN | DODGE | TWP 145 | DODGE CENTER | PASSIVE | 55 | 12 | 8 | 35 | 1 | 2 | 2 | 0.019 | 5 | 0 | 0.014 | 0.010 |
| 193303R | 7190 | MN | DODGE | Twp 153 | DODGE CENTER | PASSIVE | 10 | 12 | 8 | 35 | 1 | 2 | 2 | 0.010 | 5 | 0 | 0.008 | 0.006 |
| 193365N | 007270 | MN | DODGE | CO RD 5 | CLAREMONT | PASSIVE | 310 | 12 | 8 | 35 | 1 | 1 | 2 | 0.066 | 5 | 0 | 0.042 | 0.030 |
| 193366V | 007320 | MN | DODGE | TWP 180 | CLAREMONT | PASSIVE | 49 | 12 | 8 | 35 | 1 | 2 | 2 | 0.018 | 5 | 0 | 0.014 | 0.010 |
| 193367C | 7370 | MN | DODGE | TWP 154 | CLAREMONT | PASSIVE | 55 | 12 | 8 | 35 | 1 | 2 | 2 | 0.019 | 5 | 0 | 0.014 | 0.010 |
| 193368J | 007480 | MN | DODGE | TWP 157 | CLAREMONT | PASSIVE | 55 | 12 | 8 | 35 | 1 | 2 | 2 | 0.019 | 5 | 0 | 0.014 | 0.010 |
| 193369R | 007580 | MN | DODGE | CO RD 3 | CLAREMONT | PASSIVE | 570 | 12 | 8 | 35 | 1 | 1 | 2 | 0.083 | 5 | 0 | 0.050 | 0.036 |
| 193370K | 007640 | MN | DODGE | ELM | CLAREMONT | PASSIVE | 380 | 12 | 8 | 35 | 3 | 2 | 1 | 0.039 | 5 | 0 | 0.027 | 0.019 |
| 193371S | 007680 | MN | DODGE | CO RD 1 | CLAREMONT | PASSIVE | 550 | 12 | 8 | 35 | 1 | 1 | 2 | 0.082 | 5 | 1 | 0.129 | 0.092 |
| 193307T | 007780 | MN | DODGE | TWP 171 | CLAREMONT | PASSIVE | 55 | 12 | 8 | 35 | 1 | 2 | 2 | 0.019 | 5 | 0 | 0.014 | 0.010 |
| 193372Y | 007980 | MN | STEELE | CO RD 16/SE 84th Ave | CLAREMONT | PASSIVE | 175 | 12 | 8 | 35 | 1 | 1 | 2 | 0.053 | 5 | 0 | 0.035 | 0.025 |
| 193373F | 008090 | MN | STEELE | SE 74TH AVE | CLAREMONT | PASSIVE | 55 | 12 | 8 | 35 | 1 | 2 | 2 | 0.019 | 5 | 0 | 0.014 | 0.010 |
| 193311H | 8130 | MN | STEELE | SE 28th Ave | CLAREMONT | PASSIVE | 55 | 12 | 8 | 35 | 1 | 2 | 2 | 0.019 | 5 | 0 | 0.014 | 0.010 |
| 193374M | 008180 | MN | STEELE | SE 64TH ST | OWATONNA | PASSIVE | 80 | 12 | 8 | 35 | 1 | 2 | 2 | 0.022 | 5 | 0 | 0.016 | 0.012 |
| 193375U | 008290 | MN | STEELE | US HWY 14 | OWATONNA | FLASHING LIGHTS | 4700 | 12 | 8 | 35 | 1 | 1 | 4 | 0.183 | 5 | 1 | 0.192 | 0.102 |
| 193376B | 008390 | MN | STEELE | SE 44th Ave/CO RD 59 | OWATONNA | PASSIVE | 365 | 12 | 8 | 35 | 1 | 1 | 2 | 0.070 | 5 | 0 | 0.044 | 0.031 |
| 193312P | 008500 | MN | STEELE | SE 34TH AVE | OWATONNA | PASSIVE | 55 | 12 | 8 | 35 | 1 | 2 | 2 | 0.019 | 5 | 0 | 0.014 | 0.010 |
| 193377H | 008540 | MN | STEELE | CO RD 71 | OWATONNA | PASSIVE | 155 | 12 | 8 | 35 | 1 | 1 | 2 | 0.051 | 5 | 0 | 0.034 | 0.024 |
| 193382E | 8740 | MN | STEELE | RICE LAKE STREET | OWATONNA | FLASHING LIGHTS | 1500 | 12 | 8 | 35 | 1 | 1 | 2 | 0.080 | 5 | 0 | 0.048 | 0.026 |
| 380294J | 8750 | MN | STEELE | E. Vine St | OWATONNA | PASSIVE | 200 | 12 | 7.5 | 35 | 1 | 1 | 2 | 0.056 | 5 | 0 | 0.037 | 0.026 |
| 187034M | 8760 | MN | STEELE | Chestnut St | OWATONNA | PASSIVE | 200 | 12 | 7.5 | 35 | 1 | 2 | 1 | 0.031 | 5 | 0 | 0.022 | 0.016 |
| 187033F | 008776 | MN | STEELE | ROSE ST | OWATONNA | GATES | 3515 | 12 | 8 | 35 | 1 | 1 | 2 | 0.054 | 5 | 0 | 0.036 | 0.018 |
| 187032Y | 8780 | MN | STEELE | Pine Ave | OWATONNA | GATES | 2000 | 12 | 7.5 | 35 | 1 | 1 | 2 | 0.046 | 5 | 0 | 0.031 | 0.015 |
| Segment 3 Owatonna to Waseca MP 88.1 to 102.5 | | | | | | | | | | | | | | | | | | |
| 193383L | 8830 | MN | STEELE | ELM AVE | OWATONNA | FLASHING LIGHTS | 2515 | 14 | 9 | 35 | 4 | 1 | 4 | 0.273 | 5 | 0 | 0.104 | 0.055 |
| 193384T | 008840 | MN | STEELE | CEDAR AVE | OWATONNA | FLASHING LIGHTS | 6800 | 14 | 9 | 35 | 3 | 1 | 4 | 0.339 | 5 | 0 | 0.115 | 0.061 |
| 193388V | 008890 | MN | STEELE | STATE AVE | OWATONNA | FLASHING LIGHTS | 5600 | 14 | 9 | 35 | 1 | 1 | 2 | 0.148 | 5 | 0 | 0.074 | 0.039 |
| 193390W | 008950 | MN | STEELE | PARK DRIVE | OWATONNA | FLASHING LIGHTS | 125 | 14 | 9 | 35 | 1 | 1 | 2 | 0.031 | 5 | 0 | 0.022 | 0.012 |
| 193391D | 008970 | MN | STEELE | 24TH AVE/ CO RD 75 | OWATONNA | FLASHING LIGHTS | 2700 | 14 | 9 | 35 | 1 | 1 | 2 | 0.110 | 5 | 1 | 0.150 | 0.079 |
| 193392K | 009030 | MN | STEELE | 32ND AVE/TWP 229 | OWATONNA | PASSIVE | 70 | 14 | 9 | 35 | 1 | 2 | 2 | 0.023 | 5 | 1 | 0.070 | 0.050 |
| 193394Y | 9250 | MN | STEELE | 52nd Ave SW/ CO RD 17 | OWATONNA | PASSIVE | 290 | 14 | 9 | 35 | 1 | 1 | 4 | 0.070 | 5 | 0 | 0.044 | 0.031 |
| 193395F | 9350 | MN | STEELE | NW 62ND AVE | OWATONNA | PASSIVE | 100 | 14 | 9 | 35 | 1 | 1 | 4 | 0.047 | 5 | 0 | 0.032 | 0.023 |
| 193397U | 009640 | MN | STEELE | SW 92ND AVE | MERIDEN | PASSIVE | 555 | 14 | 9 | 35 | 1 | 1 | 2 | 0.089 | 5 | 1 | 0.135 | 0.096 |
| 193398B | 009780 | MN | WASECA | | MERIDEN | PASSIVE | 55 | 14 | 9 | 35 | 1 | 2 | 2 | 0.021 | 5 | 2 | 0.120 | 0.086 |
| 193399H | 009930 | MN | WASECA | | WASECA | PASSIVE | 10 | 14 | 9 | 35 | 1 | 2 | 1 | 0.011 | 5 | 0 | 0.009 | 0.006 |
| 193400A | 010090 | MN | WASECA | | WASECA | PASSIVE | 500 | 14 | 9 | 35 | 1 | 1 | 2 | 0.086 | 5 | 0 | 0.051 | 0.037 |
| 193403V | 010180 | MN | WASECA | 8TH STREET S.E. | WASECA | FLASHING LIGHTS | 2000 | 14 | 9 | 35 | 1 | 1 | 2 | 0.097 | 5 | 0 | 0.056 | 0.030 |
| 193404C | 010200 | MN | WASECA | 7TH STREET SE | WASECA | PASSIVE | 200 | 14 | 9 | 35 | 1 | 1 | 2 | 0.061 | 5 | 1 | 0.111 | 0.079 |
| 193405J | 010220 | MN | WASECA | 5TH ST. SE | WASECA | PASSIVE | 2700 | 14 | 9 | 35 | 1 | 1 | 2 | 0.160 | 5 | 0 | 0.078 | 0.056 |
| 193406R | 010250 | MN | WASECA | STATE ST. | WASECA | FLASHING LIGHTS | 7900 | 14 | 9 | 20 | 1 | 1 | 2 | 0.171 | 5 | 0 | 0.081 | 0.043 |
| Segment 4 Waseca to Walnut Grove MP 102.5 to 219 | | | | | | | | | | | | | | | | | | |
| 193314D | 010260 | MN | WASECA | 2ND ST. S.W. | WASECA | FLASHING LIGHTS | 1050 | 10 | 6 | 20 | 1 | 1 | 2 | 0.063 | 5 | 0 | 0.040 | 0.021 |
| 193315K | 010270 | MN | WASECA | 4TH ST. S.W. | WASECA | GATES | 2700 | 10 | 6 | 20 | 3 | 1 | 2 | 0.063 | 5 | 0 | 0.040 | 0.020 |
| 193317Y | 010340 | MN | WASECA | | WASECA | FLASHING LIGHTS | 650 | 10 | 6 | 20 | 1 | 1 | 2 | 0.051 | 5 | 0 | 0.034 | 0.018 |
| 193318F | 010380 | MN | WASECA | | WASECA | FLASHING LIGHTS | 2600 | 10 | 6 | 20 | 1 | 1 | 2 | 0.091 | 5 | 1 | 0.136 | 0.072 |
| 193320G | 010460 | MN | WASECA | | WASECA | PASSIVE | 810 | 10 | 6 | 20 | 1 | 1 | 2 | 0.076 | 5 | 0 | 0.047 | 0.033 |
| 193322V | 010620 | MN | WASECA | | WASECA | PASSIVE | 55 | 10 | 6 | 20 | 1 | 2 | 2 | 0.015 | 5 | 0 | 0.012 | 0.008 |
| 193324J | 010730 | MN | WASECA | | WASECA | PASSIVE | 55 | 10 | 6 | 35 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 193326X | 010850 | MN | WASECA | | JANESVILLE | PASSIVE | 190 | 10 | 6 | 35 | 1 | 2 | 2 | 0.028 | 5 | 0 | 0.020 | 0.014 |

Pre-Construction Accident Prediction Summary
Minnesota 50 MNT
Alternative B

| FRA ID | MILEPOST | STATE | COUNTY | STREET | CITY | EXISTING DEVICE | ADT c | TRNS PER DAY t | NO. THRU TRNS/DAY DAYLIGHT d | MAX. TT SPEED (MPH) | NO. MAIN TRKS | HWY PAVED YES=1 NO=2 | NO. HWY LANES | BASIC FORMULA INITIAL (ACCIDENTS/YR) a | NO. YRS T | NO. OBSERVED ACCIDENTS 1993-1997 N | PREDICTED ACCIDENTS PER YR B | Estimated Annual Accident Frequency A |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 193328L | 010960 | MN | WASECA | | JANESVILLE | PASSIVE | 10 | 10 | 6 | 35 | 1 | 2 | 2 | 0.009 | 5 | 0 | 0.007 | 0.005 |
| 193329T | 11020 | MN | WASECA | Twp 92 | JANESVILLE | PASSIVE | 20 | 10 | 6.25 | 35 | 1 | 1 | 2 | 0.022 | 5 | 0 | 0.016 | 0.011 |
| 193341A | 011090 | MN | WASECA | | JANESVILLE | PASSIVE | 110 | 10 | 6 | 35 | 1 | 2 | 2 | 0.022 | 5 | 0 | 0.016 | 0.012 |
| 193342G | 11190 | MN | WASECA | County Road 53 | JANESVILLE | PASSIVE | 100 | 10 | 6 | 35 | 1 | 2 | 2 | 0.022 | 5 | 0 | 0.016 | 0.011 |
| 193344V | 011260 | MN | WASECA | TEAL ST | JANESVILLE | PASSIVE | 1100 | 10 | 6 | 20 | 4 | 1 | 2 | 0.085 | 5 | 0 | 0.051 | 0.036 |
| 193346J | 011280 | MN | WASECA | SOUTH MAIN STREET | JANESVILLE | GATES | 1900 | 10 | 6 | 20 | 3 | 1 | 2 | 0.056 | 5 | 0 | 0.037 | 0.018 |
| 193348X | 011300 | MN | WASECA | CRAIG ST | JANESVILLE | PASSIVE | 380 | 10 | 6 | 20 | 1 | 1 | 2 | 0.058 | 5 | 0 | 0.037 | 0.027 |
| 193349E | 011310 | MN | WASECA | S. SKOOKUM ST | JANESVILLE | PASSIVE | 380 | 10 | 6 | 20 | 1 | 2 | 2 | 0.032 | 5 | 0 | 0.022 | 0.016 |
| 193354B | 011510 | MN | WASECA | | JANESVILLE | PASSIVE | 275 | 10 | 6 | 35 | 1 | 1 | 2 | 0.057 | 5 | 1 | 0.107 | 0.077 |
| 193356P | 011630 | MN | WASECA | | JANESVILLE | PASSIVE | 565 | 10 | 6 | 35 | 1 | 1 | 2 | 0.075 | 5 | 1 | 0.123 | 0.088 |
| 193407X | 011660 | MN | BLUE EARTH | | JANESVILLE | PASSIVE | 235 | 10 | 6 | 35 | 1 | 2 | 2 | 0.030 | 5 | 0 | 0.021 | 0.015 |
| 193410F | 11750 | MN | BLUE EARTH | Twp 313 | JANESVILLE | PASSIVE | 100 | 10 | 6 | 35 | 1 | 2 | 2 | 0.022 | 5 | 0 | 0.016 | 0.011 |
| 193408E | 011870 | MN | BLUE EARTH | | EAGLE LAKE | PASSIVE | 85 | 10 | 6 | 35 | 1 | 2 | 2 | 0.020 | 5 | 0 | 0.015 | 0.011 |
| 193411M | 011980 | MN | BLUE EARTH | | EAGLE LAKE | PASSIVE | 73 | 10 | 6 | 35 | 1 | 2 | 2 | 0.019 | 5 | 0 | 0.014 | 0.010 |
| 193414H | 012080 | MN | BLUE EARTH | | EAGLE LAKE | PASSIVE | 39 | 10 | 6 | 35 | 1 | 1 | 2 | 0.028 | 5 | 0 | 0.020 | 0.014 |
| 193509R | 14720 | MN | BLUE EARTH | Twp. 461 | | PASSIVE | 100 | 10 | 6 | 20 | 1 | 2 | 1 | 0.019 | 5 | 0 | 0.014 | 0.010 |
| 193480V | 14890 | MN | BLUE EARTH | JUDSON FORT RD | MANKATO | PASSIVE | 52 | 10 | 6 | 35 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 193481C | 14980 | MN | BLUE EARTH | CSAH 42 | MANKATO | PASSIVE | 970 | 10 | 6 | 35 | 2 | 1 | 2 | 0.091 | 5 | 0 | 0.054 | 0.038 |
| 193482J | 14990 | MN | BLUE EARTH | PARK ST/TWP 245 | MANKATO | PASSIVE | 60 | 10 | 6 | 35 | 3 | 1 | 2 | 0.033 | 5 | 0 | 0.023 | 0.017 |
| 193483R | 15020 | MN | BLUE EARTH | PRAIRIE ST/ TWP 249 | MANKATO | PASSIVE | 55 | 10 | 6 | 35 | 3 | 2 | 1 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 193484X | 15630 | MN | BLUE EARTH | CSAH 6 | NEW ULM | PASSIVE | 160 | 10 | 6 | 35 | 1 | 1 | 2 | 0.047 | 5 | 0 | 0.032 | 0.023 |
| 193485E | 15660 | MN | BLUE EARTH | TWP 236 | NEW ULM | PASSIVE | 80 | 10 | 6 | 35 | 1 | 1 | 2 | 0.036 | 5 | 0 | 0.025 | 0.018 |
| 193487T | 15810 | MN | BLUE EARTH | CSAH 45 | NEW ULM | FLASHING LIGHTS | 750 | 10 | 6 | 35 | 1 | 1 | 2 | 0.055 | 5 | 0 | 0.036 | 0.019 |
| 193571H | 16060 | MN | BROWN | Twp 97 | NEW ULM | PASSIVE | 100 | 10 | 6 | 20 | 1 | 2 | 2 | 0.019 | 5 | 0 | 0.014 | 0.010 |
| 193522E | 16270 | MN | BROWN | SHAG RD/ TWP 96 | NEW ULM | PASSIVE | 115 | 10 | 6 | 20 | 1 | 2 | 2 | 0.020 | 5 | 0 | 0.015 | 0.011 |
| 193523L | 16310 | MN | BROWN | Tower Rd. | NEW ULM | PASSIVE | 50 | 10 | 6 | 20 | 1 | 1 | 2 | 0.027 | 5 | 1 | 0.075 | 0.054 |
| 193488A | 16410 | MN | BROWN | 20TH SOUTH ST. | NEW ULM | FLASHING LIGHTS | 5300 | 10 | 6 | 20 | 1 | 1 | 4 | 0.175 | 5 | 0 | 0.082 | 0.044 |
| 196260K | 16440 | MN | BROWN | SE 16th St | NEW ULM | PASSIVE | 630 | 10 | 6.25 | 20 | 1 | 2 | 2 | 0.038 | 5 | 0 | 0.027 | 0.019 |
| 196261S | 16460 | MN | BROWN | S 12th St. | NEW ULM | GATES | 800 | 10 | 6 | 20 | 1 | 1 | 2 | 0.032 | 5 | 0 | 0.023 | 0.011 |
| 193491H | 016490 | MN | BROWN | 7TH SOUTH ST. | NEW ULM | PASSIVE | 650 | 10 | 6 | 20 | 4 | 1 | 2 | 0.070 | 5 | 0 | 0.044 | 0.031 |
| 193492P | 16520 | MN | BROWN | 3RD SOUTH ST. | NEW ULM | FLASHING LIGHTS | 770 | 10 | 6 | 20 | 6 | 1 | 2 | 0.144 | 5 | 1 | 0.171 | 0.091 |
| 193493W | 016540 | MN | BROWN | 1ST SOUTH ST. | NEW ULM | FLASHING LIGHTS | 1400 | 10 | 6 | 20 | 1 | 1 | 2 | 0.070 | 5 | 0 | 0.044 | 0.023 |
| 193494D | 016550 | MN | BROWN | CENTER ST | NEW ULM | PASSIVE | 1200 | 10 | 6 | 20 | 2 | 1 | 2 | 0.088 | 5 | 2 | 0.215 | 0.154 |
| 193525A | 16560 | MN | BROWN | FIRST STREET | NEW ULM | PASSIVE | 630 | 10 | 6 | 20 | 1 | 1 | 2 | 0.069 | 5 | 1 | 0.118 | 0.085 |
| 193537U | 16570 | MN | BROWN | 3RD NORTH ST. | NEW ULM | FLASHING LIGHTS | 1750 | 10 | 6 | 35 | 1 | 1 | 2 | 0.077 | 5 | 1 | 0.125 | 0.066 |
| 193536M | 16680 | MN | BROWN | MINNESOTA ST&17TH | NEW ULM | FLASHING LIGHTS | 970 | 10 | 6 | 35 | 1 | 1 | 2 | 0.061 | 5 | 0 | 0.039 | 0.021 |
| 911203V | 16720 | MN | BROWN | N. 20th St. | NEW ULM | FLASHING LIGHTS | 3500 | 10 | 6 | 35 | 1 | 1 | 2 | 0.103 | 5 | 0 | 0.058 | 0.031 |
| 193560N | 16800 | MN | BROWN | BOUNDARY ST/N 23rd | NEW ULM | PASSIVE | 630 | 10 | 6 | 35 | 1 | 2 | 2 | 0.043 | 5 | 1 | 0.093 | 0.066 |
| 193572H | 016950 | MN | BROWN | CO RD 12 | NEW ULM | PASSIVE | 60 | 10 | 6 | 35 | 1 | 2 | 2 | 0.018 | 5 | 0 | 0.013 | 0.010 |
| 193573P | 017050 | MN | BROWN | TWP 128 | NEW ULM | PASSIVE | 55 | 10 | 6 | 35 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 193579F | 017150 | MN | BROWN | TWP 245 | ESSIG | PASSIVE | 55 | 10 | 6 | 35 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 193574W | 017250 | MN | BROWN | TWP 238 | ESSIG | PASSIVE | 40 | 10 | 6 | 35 | 1 | 2 | 2 | 0.015 | 5 | 0 | 0.012 | 0.008 |
| 193546T | 017310 | MN | BROWN | TWP 129 | ESSIG | PASSIVE | 80 | 10 | 6 | 35 | 1 | 2 | 2 | 0.020 | 5 | 0 | 0.015 | 0.011 |
| 193575D | 017360 | MN | BROWN | CO RD 11/ CENTER ST | ESSIG | PASSIVE | 355 | 10 | 6 | 35 | 1 | 1 | 2 | 0.063 | 5 | 0 | 0.040 | 0.029 |
| 193547A | 017370 | MN | BROWN | Essig W St/ TWP 131 | ESSIG | PASSIVE | 780 | 10 | 6 | 35 | 1 | 1 | 2 | 0.084 | 5 | 0 | 0.050 | 0.036 |
| 193548G | 017510 | MN | BROWN | TWP 141 | ESSIG | PASSIVE | 55 | 10 | 6 | 35 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 193577S | 17670 | MN | BROWN | CO RD 10 | SLEEPY EYE | PASSIVE | 160 | 10 | 6 | 35 | 1 | 1 | 2 | 0.047 | 5 | 0 | 0.032 | 0.023 |
| 193578Y | 017780 | MN | BROWN | TWP 225 | ESSIG | PASSIVE | 116 | 10 | 6 | 35 | 1 | 2 | 2 | 0.023 | 5 | 1 | 0.070 | 0.050 |
| 193558M | 017970 | MN | BROWN | 1ST AVE. | SLEEPY EYE | FLASHING LIGHTS | 3100 | 10 | 6 | 20 | 4 | 1 | 2 | 0.173 | 5 | 0 | 0.082 | 0.043 |
| 193557F | 017980 | MN | BROWN | 2ND AVE | SLEEPY EYE | FLASHING LIGHTS | 380 | 10 | 6 | 20 | 4 | 1 | 2 | 0.073 | 5 | 0 | 0.045 | 0.024 |
| 193584C | 017990 | MN | BROWN | 4TH AVE SE/CSAH | SLEEPY EYE | PASSIVE | 900 | 10 | 6 | 20 | 1 | 1 | 2 | 0.079 | 5 | 0 | 0.048 | 0.034 |
| 193553D | 018040 | MN | BROWN | 9TH AVE SE | SLEEPY EYE | PASSIVE | 580 | 10 | 6 | 20 | 1 | 1 | 2 | 0.067 | 5 | 1 | 0.116 | 0.083 |
| 193554K | 018090 | MN | BROWN | Golf Course/ TWP 218 | SLEEPY EYE | PASSIVE | 55 | 10 | 6 | 20 | 1 | 2 | 2 | 0.015 | 5 | 0 | 0.012 | 0.008 |
| 193588E | 018280 | MN | BROWN | TWP 138 | SLEEPY EYE | PASSIVE | 40 | 10 | 6 | 35 | 1 | 2 | 2 | 0.015 | 5 | 0 | 0.012 | 0.008 |

Pre-Construction Accident Prediction Summary
Minnesota 50 MNT
Alternative B

| FRA ID | MILEPOST | STATE | COUNTY | STREET | CITY | EXISTING DEVICE | ADT c | TRNS PER DAY t | NO. THRU TRNS/DAY DAYLIGHT d | MAX. TT SPEED (MPH) | NO. MAIN TRKS | HWY PAVED YES=1 NO=2 | NO. HWY LANES | BASIC FORMULA INITIAL (ACCIDENTS/YR) a | NO. YRS T | NO. OBSERVED ACCIDENTS 1993-1997 N | PREDICTED ACCIDENTS PER YR B | Estimated Annual Accident Frequency A |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 193589L | 018380 | MN | BROWN | CO RD 8 | SLEEPY EYE | PASSIVE | 600 | 10 | 6 | 35 | 1 | 1 | 2 | 0.076 | 5 | 2 | 0.202 | 0.144 |
| 193590F | 018600 | MN | BROWN | CO RD 7 | COBDEN | PASSIVE | 130 | 10 | 6 | 35 | 1 | 1 | 2 | 0.043 | 5 | 0 | 0.030 | 0.021 |
| 193591M | 018610 | MN | BROWN | CENTER ST | COBDEN | PASSIVE | 380 | 10 | 6 | 35 | 1 | 2 | 2 | 0.036 | 5 | 0 | 0.025 | 0.018 |
| 193592U | 018700 | MN | BROWN | TWP 3 | COBDEN | PASSIVE | 48 | 10 | 6 | 35 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.012 | 0.009 |
| 193594H | 018870 | MN | BROWN | TWP 191 | COBDEN | PASSIVE | 55 | 10 | 6 | 35 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 193595P | 018940 | MN | BROWN | MN HWY 258 | SPRINGFIELD | FLASHING LIGHTS | 480 | 10 | 6 | 35 | 1 | 1 | 2 | 0.045 | 5 | 0 | 0.031 | 0.016 |
| 193596W | 019050 | MN | BROWN | TWP 90 | SPRINGFIELD | PASSIVE | 55 | 10 | 6 | 35 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 193610P | 019140 | MN | BROWN | TWP 85 | SPRINGFIELD | PASSIVE | 55 | 10 | 6 | 35 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 911204C | 19260 | MN | BROWN | Cnty Rd 5 | SPRINGFIELD | PASSIVE | 1250 | 10 | 6.25 | 35 | 1 | 1 | 2 | 0.100 | 5 | 1 | 0.143 | 0.102 |
| 193612D | 19270 | MN | BROWN | SANDBORN ST | SPRINGFIELD | PASSIVE | 200 | 10 | 6.25 | 35 | 1 | 2 | 2 | 0.028 | 5 | 0 | 0.020 | 0.014 |
| 193613K | 019290 | MN | BROWN | WASHINGTON AVE. | SPRINGFIELD | PASSIVE | 380 | 10 | 6 | 20 | 1 | 1 | 2 | 0.058 | 5 | 0 | 0.037 | 0.027 |
| 193599S | 019300 | MN | BROWN | LINCOLN ST | SPRINGFIELD | PASSIVE | 380 | 10 | 6 | 20 | 3 | 1 | 2 | 0.058 | 5 | 0 | 0.037 | 0.027 |
| 193614S | 019310 | MN | BROWN | CASS ST. | SPRINGFIELD | FLASHING LIGHTS | 1650 | 10 | 6 | 20 | 2 | 1 | 2 | 0.091 | 5 | 0 | 0.053 | 0.028 |
| 193616F | 019330 | MN | BROWN | OCONNELL AVE. | SPRINGFIELD | PASSIVE | 1000 | 10 | 6 | 20 | 3 | 1 | 2 | 0.082 | 5 | 1 | 0.129 | 0.092 |
| 193600J | 019360 | MN | BROWN | BURNS AVE | SPRINGFIELD | PASSIVE | 380 | 10 | 6 | 20 | 1 | 1 | 2 | 0.058 | 5 | 0 | 0.037 | 0.027 |
| 193859H | 019410 | MN | BROWN | CO RD 4 | SPRINGFIELD | FLASHING LIGHTS | 600 | 10 | 6 | 20 | 1 | 1 | 2 | 0.050 | 5 | 0 | 0.033 | 0.018 |
| 193710U | 019760 | MN | BROWN | CO RD 2 | SANBORN | PASSIVE | 160 | 10 | 6 | 30 | 1 | 1 | 2 | 0.045 | 5 | 0 | 0.031 | 0.022 |
| 193711B | 020050 | MN | BROWN | TWP 2 | SANBORN | PASSIVE | 56 | 10 | 6 | 20 | 1 | 2 | 2 | 0.016 | 5 | 0 | 0.012 | 0.008 |
| 193664V | 020080 | MN | REDWOOD | TWP 153 | SANBORN | PASSIVE | 146 | 10 | 6 | 20 | 1 | 2 | 2 | 0.022 | 5 | 0 | 0.016 | 0.012 |
| 197897F | 020170 | MN | REDWOOD | MAIN ST. | SANBORN | FLASHING LIGHTS | 1300 | 10 | 6 | 20 | 4 | 1 | 2 | 0.121 | 5 | 0 | 0.065 | 0.035 |
| 197896Y | 020180 | MN | REDWOOD | SOUTH ST. | SANBORN | PASSIVE | 380 | 10 | 6 | 20 | 4 | 2 | 2 | 0.032 | 5 | 0 | 0.022 | 0.016 |
| 193669E | 020260 | MN | REDWOOD | TWP 149 | SANBORN | PASSIVE | 73 | 10 | 6 | 40 | 1 | 2 | 2 | 0.020 | 5 | 0 | 0.015 | 0.011 |
| 193671F | 020370 | MN | REDWOOD | TWP 147 & 148 | SANBORN | PASSIVE | 55 | 10 | 6 | 35 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 197895S | 020880 | MN | REDWOOD | MAIN ST. | LAMBERTON | FLASHING LIGHTS | 380 | 10 | 6 | 35 | 3 | 1 | 2 | 0.060 | 5 | 0 | 0.039 | 0.021 |
| 197894K | 020910 | MN | REDWOOD | ILEX ST./ CO RD 6 | LAMBERTON | FLASHING LIGHTS | 1300 | 10 | 6 | 35 | 2 | 1 | 2 | 0.083 | 5 | 0 | 0.050 | 0.026 |
| 193712H | 21090 | MN | REDWOOD | TWP 190 | LAMBERTON | PASSIVE | 55 | 10 | 6 | 35 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 193713P | 021300 | MN | REDWOOD | TWP 184 | REVERE | PASSIVE | 99 | 10 | 6 | 35 | 1 | 2 | 2 | 0.022 | 5 | 0 | 0.016 | 0.011 |
| 197789J | 021370 | MN | REDWOOD | MAIN ST/ CP RD 127 | REVERE | FLASHING LIGHTS | 510 | 10 | 6 | 35 | 2 | 1 | 2 | 0.056 | 5 | 0 | 0.037 | 0.019 |
| 193714W | 021410 | MN | REDWOOD | CO RD 7 | REVERE | PASSIVE | 320 | 10 | 6 | 35 | 1 | 1 | 2 | 0.061 | 5 | 0 | 0.039 | 0.028 |
| 193715D | 021500 | MN | REDWOOD | TWP 178 | REVERE | PASSIVE | 55 | 10 | 6 | 35 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 193716K | 021610 | MN | REDWOOD | CO RD 10 | WALNUT GROVE | PASSIVE | 125 | 10 | 6 | 35 | 1 | 1 | 2 | 0.043 | 5 | 0 | 0.029 | 0.021 |
| 193717S | 021710 | MN | REDWOOD | TWP 127 | WALNUT GROVE | PASSIVE | 44 | 10 | 6 | 35 | 1 | 2 | 2 | 0.016 | 5 | 0 | 0.012 | 0.009 |
| 193718Y | 021810 | MN | REDWOOD | CO RD 80 | WALNUT GROVE | PASSIVE | 530 | 10 | 6 | 35 | 1 | 1 | 2 | 0.073 | 5 | 0 | 0.045 | 0.032 |
| 193719F | 021880 | MN | REDWOOD | 1ST ST | WALNUT GROVE | PASSIVE | 49 | 10 | 6 | 35 | 1 | 2 | 2 | 0.017 | 5 | 1 | 0.062 | 0.045 |
| 197893D | 021900 | MN | REDWOOD | 6TH ST. | WALNUT GROVE | FLASHING LIGHTS | 900 | 10 | 6 | 35 | 2 | 1 | 2 | 0.071 | 5 | 0 | 0.044 | 0.023 |
| Segment 5 Walnut Grove to Tracy MP 219 to 226.6 | | | | | | | | | | | | | | | | | | |
| 197892W | 21920 | MN | REDWOOD | CO RD 5 | WALNUT GROVE | FLASHING LIGHTS | 1000 | 8 | 5 | 35 | 2 | 1 | 2 | 0.066 | 5 | 0 | 0.042 | 0.022 |
| 193721G | 022110 | MN | REDWOOD | CO RD 75 | WALNUT GROVE | PASSIVE | 40 | 8 | 5 | 35 | 1 | 2 | 2 | 0.014 | 5 | 0 | 0.010 | 0.007 |
| 193692Y | 022220 | MN | REDWOOD | TWP 160 | WALNUT GROVE | PASSIVE | 40 | 8 | 5 | 35 | 1 | 2 | 2 | 0.014 | 5 | 0 | 0.010 | 0.007 |
| 193694M | 022320 | MN | REDWOOD | TWP 158 | WALNUT GROVE | PASSIVE | 55 | 8 | 5 | 35 | 1 | 2 | 2 | 0.015 | 5 | 0 | 0.012 | 0.008 |
| 193696B | 022410 | MN | REDWOOD | TWP 154 (County Line) | TRACY | PASSIVE | 55 | 8 | 5 | 20 | 1 | 2 | 2 | 0.014 | 5 | 0 | 0.010 | 0.007 |
| 193697H | 022510 | MN | REDWOOD | TWP 18 | TRACY | PASSIVE | 37 | 8 | 5 | 20 | 1 | 2 | 2 | 0.012 | 5 | 0 | 0.009 | 0.006 |
| 193722N | 022650 | MN | LYON | CENTER ST | TRACY | GATES | 1450 | 8 | 5 | 30 | 5 | 1 | 4 | 0.084 | 5 | 0 | 0.050 | 0.025 |
| 193741T | 022660 | MN | LYON | 4TH ST. | TRACY | GATES | 2200 | 8 | 5 | 30 | 2 | 1 | 2 | 0.046 | 5 | 1 | 0.096 | 0.047 |
| Segment 6 Brookings to Tracy MP 226.6 to 290.0 | | | | | | | | | | | | | | | | | | |
| 193742A | 022720 | MN | LYON | HIGHLINE RD 73 | TRACY | PASSIVE | 650 | 10 | 6 | 30 | 1 | 1 | 2 | 0.076 | 5 | 0 | 0.047 | 0.033 |
| 193699W | 022800 | MN | LYON | CO RD 14 | TRACY | PASSIVE | 320 | 10 | 6 | 30 | 1 | 1 | 2 | 0.058 | 5 | 2 | 0.178 | 0.128 |
| 193700N | 022830 | MN | LYON | TWP 227 | TRACY | PASSIVE | 55 | 10 | 6 | 30 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 193702C | 022950 | MN | LYON | CO RD 14 | TRACY | PASSIVE | 225 | 10 | 6 | 30 | 1 | 1 | 2 | 0.051 | 5 | 0 | 0.034 | 0.024 |

Pre-Construction Accident Prediction Summary
Minnesota 50 MNT
Alternative B

| FRA ID | MILEPOST | STATE | COUNTY | STREET | CITY | EXISTING DEVICE | ADT c | TRNS PER DAY t | NO. THRU TRNS/DAY DAYLIGHT d | MAX. TT SPEED (MPH) | NO. MAIN TRKS | HWY PAVED YES=1 NO=2 | NO. HWY LANES | BASIC FORMULA INITIAL (ACCIDENTS/YR) a | NO. YRS T | NO. OBSERVED ACCIDENTS 1993-1997 N | PREDICTED ACCIDENTS PER YR B | Estimated Annual Accident Frequency A |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 193708T | 023150 | MN | LYON | TWP 217 | GARVIN | PASSIVE | 55 | 10 | 6 | 30 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 193709A | 023250 | MN | LYON | TWP 208 | GARVIN | PASSIVE | 55 | 10 | 6 | 30 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 193810Y | 023350 | MN | LYON | US HWY 59 | GARVIN | FLASHING LIGHTS | 1350 | 10 | 6 | 30 | 1 | 1 | 2 | 0.069 | 5 | 0 | 0.043 | 0.023 |
| 193757P | 023390 | MN | LYON | 1ST ST | GARVIN | PASSIVE | 55 | 10 | 6 | 30 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 193758W | 023450 | MN | LYON | TWP 201 | GARVIN | PASSIVE | 55 | 10 | 6 | 30 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 193759D | 023550 | MN | LYON | TWP 194 | GARVIN | PASSIVE | 55 | 10 | 6 | 30 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 193743G | 023660 | MN | LYON | CO RD 7 | BALATON | PASSIVE | 155 | 10 | 6 | 30 | 1 | 1 | 2 | 0.045 | 5 | 0 | 0.030 | 0.022 |
| 193744N | 023760 | MN | LYON | TWP 190 | BALATON | PASSIVE | 73 | 10 | 6 | 30 | 1 | 2 | 2 | 0.019 | 5 | 0 | 0.014 | 0.010 |
| 193745V | 023860 | MN | LYON | TWP 27 | BALATON | PASSIVE | 5 | 10 | 6 | 30 | 1 | 2 | 2 | 0.007 | 5 | 0 | 0.005 | 0.004 |
| 193797M | 023940 | MN | LYON | 2ND ST. SW | BALATON | FLASHING LIGHTS | 1050 | 10 | 6 | 35 | 2 | 1 | 2 | 0.076 | 5 | 1 | 0.124 | 0.065 |
| 193748R | 023990 | MN | LYON | CO RD 5 | BALATON | FLASHING LIGHTS | 710 | 10 | 6 | 30 | 1 | 1 | 2 | 0.053 | 5 | 0 | 0.035 | 0.019 |
| 193751Y | 024180 | MN | LYON | TWP 14 | BALATON | PASSIVE | 38 | 10 | 6 | 30 | 1 | 2 | 2 | 0.015 | 5 | 0 | 0.011 | 0.008 |
| 193752F | 024230 | MN | LYON | TWP 176 | BALATON | PASSIVE | 45 | 10 | 6 | 30 | 1 | 2 | 2 | 0.016 | 5 | 0 | 0.012 | 0.008 |
| 193753M | 024330 | MN | LYON | TWP 244 | BALATON | PASSIVE | 55 | 10 | 6 | 30 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 193755B | 024440 | MN | LYON | MN HWY 91 | BALATON | FLASHING LIGHTS | 495 | 10 | 6 | 30 | 1 | 1 | 2 | 0.046 | 5 | 0 | 0.031 | 0.016 |
| 193725J | 024590 | MN | LYON | TWP 15 | BALATON | PASSIVE | 55 | 10 | 6 | 30 | 1 | 1 | 2 | 0.030 | 5 | 0 | 0.022 | 0.016 |
| 193726R | 024640 | MN | LYON | CO RD 13 | TYLER | PASSIVE | 50 | 10 | 6 | 30 | 1 | 1 | 2 | 0.029 | 5 | 0 | 0.021 | 0.015 |
| 193730F | 024920 | MN | LYON | TWP 262 | TYLER | PASSIVE | 16 | 10 | 6 | 30 | 1 | 2 | 2 | 0.011 | 5 | 0 | 0.008 | 0.006 |
| 193732U | 024980 | MN | LYON | CO RD 51 | TYLER | PASSIVE | 15 | 10 | 6 | 30 | 1 | 2 | 2 | 0.010 | 5 | 0 | 0.008 | 0.006 |
| 193734H | 025180 | MN | LINCOLN | TWP 82 | TYLER | PASSIVE | 55 | 10 | 6 | 30 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 193736W | 025290 | MN | LINCOLN | CO RD 115 | TYLER | PASSIVE | 380 | 10 | 6 | 30 | 1 | 2 | 2 | 0.034 | 5 | 0 | 0.024 | 0.017 |
| 193798U | 025340 | MN | LINCOLN | WILLOW ST | TYLER | PASSIVE | 380 | 10 | 6 | 30 | 1 | 1 | 2 | 0.062 | 5 | 1 | 0.112 | 0.080 |
| 193799B | 025350 | MN | LINCOLN | TYLER ST | TYLER | GATES | 3150 | 10 | 6 | 30 | 2 | 1 | 2 | 0.056 | 5 | 0 | 0.037 | 0.018 |
| 193800T | 025380 | MN | LINCOLN | CO RD 9 | TYLER | GATES | 1000 | 10 | 6 | 30 | 2 | 1 | 2 | 0.040 | 5 | 0 | 0.028 | 0.014 |
| 193737D | 025490 | MN | LINCOLN | TWP 90 | TYLER | PASSIVE | 59 | 10 | 6 | 30 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 193740L | 025590 | MN | LINCOLN | TWP 96 | TYLER | PASSIVE | 55 | 10 | 6 | 30 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 193761E | 025690 | MN | LINCOLN | CO RD 111 | TYLER | PASSIVE | 95 | 10 | 6 | 30 | 1 | 2 | 2 | 0.020 | 5 | 0 | 0.015 | 0.011 |
| 193762L | 025790 | MN | LINCOLN | TWP 100 | LAKE BENTON | PASSIVE | 55 | 10 | 6 | 30 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 193764A | 025900 | MN | LINCOLN | TWP 104 | LAKE BENTON | PASSIVE | 55 | 10 | 6 | 30 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 193801A | 026160 | MN | LINCOLN | CENTER ST. | LAKE BENTON | GATES | 1100 | 10 | 6 | 30 | 1 | 1 | 2 | 0.035 | 5 | 0 | 0.025 | 0.012 |
| 193802G | 026190 | MN | LINCOLN | BENTON ST. | LAKE BENTON | PASSIVE | 450 | 10 | 6 | 30 | 1 | 1 | 2 | 0.066 | 5 | 1 | 0.115 | 0.083 |
| 193768C | 026330 | MN | LINCOLN | TWP 100 | LAKE BENTON | PASSIVE | 55 | 10 | 6 | 30 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 193769J | 026480 | MN | LINCOLN | TWP 7 | LAKE BENTON | PASSIVE | 55 | 10 | 6 | 30 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 193770D | 026590 | MN | LINCOLN | CO RD 9 | VERDI | FLASHING LIGHTS | 450 | 10 | 6 | 30 | 1 | 1 | 2 | 0.044 | 5 | 0 | 0.030 | 0.016 |
| 193771K | 026730 | MN | LINCOLN | TWP 125 | VERDI | PASSIVE | 50 | 10 | 6 | 30 | 1 | 2 | 2 | 0.016 | 5 | 0 | 0.012 | 0.009 |
| 193773Y | 026750 | MN | LINCOLN | CO RD 9 | VERDI | PASSIVE | 150 | 10 | 6 | 30 | 1 | 1 | 2 | 0.044 | 5 | 0 | 0.030 | 0.021 |
| 193772S | 026780 | MN | LINCOLN | MAIN ST | VERDI | PASSIVE | 23 | 10 | 6 | 30 | 1 | 2 | 2 | 0.012 | 5 | 0 | 0.009 | 0.007 |
| 193776U | 026830 | MN | LINCOLN | CO RD 2 | VERDI | PASSIVE | 75 | 10 | 6 | 30 | 1 | 1 | 2 | 0.034 | 5 | 0 | 0.024 | 0.017 |
| 193780J | 026940 | MN | LINCOLN | TWP 132 | VERDI | PASSIVE | 720 | 10 | 6 | 30 | 1 | 2 | 2 | 0.043 | 5 | 0 | 0.030 | 0.021 |
| 193782X | 27040 | MN | LINCOLN | TWP 133 | VERDI | PASSIVE | 40 | 10 | 6 | 30 | 1 | 2 | 2 | 0.015 | 5 | 0 | 0.011 | 0.008 |
| 193783E | 027140 | MN | LINCOLN | CO RD 1 | ELKTON | PASSIVE | 110 | 10 | 6 | 30 | 1 | 1 | 2 | 0.039 | 5 | 0 | 0.027 | 0.019 |
| 193784L | 027250 | MN | LINCOLN | TWP 138 | ELKTON | PASSIVE | 44 | 10 | 6 | 30 | 1 | 2 | 2 | 0.015 | 5 | 0 | 0.012 | 0.008 |

Post-Construction Accident Prediction Summary
Minnesota 50 MNT
Alternative B

| FRA ID | MILEPOST | STATE | COUNTY | STREET | CITY | EXISTING DEVICE | PROPOSED DEVICE | ADT c | TRNS PER DAY t | NO. THRU TRNS/DAY DAYLIGHT d | MAX. TT SPEED (MPH) | NO. MAIN TRKS | HWY PAVED YES=1 NO=2 | NO. HWY LANES | BASIC FORMULA INITIAL (ACCIDENTS/YR) a | NO. YRS T | NO. OBSERVED ACCIDENTS 1993-1997 N | PREDICTED ACCIDENTS PER YR B | Estimated Annual Accident Frequency A |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Segment 1 Winona to Lewiston MP 0 to 18.4 | | | | | | | | | | | | | | | | | | | |
| 19317H | 520 | MN | WINONA | MARTINA & 11th | WINONA | PASSIVE | PASSIVE | 460 | 21 | 13 | 49 | 2 | 2 | 1 | 0.064 | 5 | 0 | 0.041 | 0.029 |
| 193197K | 620 | MN | WINONA | Canton Mills | WINONA | PASSIVE | PASSIVE | 100 | 21 | 13 | 49 | 2 | 2 | 1 | 0.036 | 5 | 0 | 0.025 | 0.018 |
| 193200R | 000860 | MN | WINONA | CO RD 23 | MINNESOTA CITY | FLASHING LIGHTS | FLASHING LIGHTS | 2500 | 21 | 13 | 49 | 2 | 1 | 2 | 0.159 | 5 | 0 | 0.078 | 0.041 |
| 193176S | 000930 | MN | WINONA | CO RD 6 | STOCKTON | PASSIVE | PASSIVE | 55 | 21 | 13 | 49 | 2 | 2 | 2 | 0.029 | 5 | 0 | 0.021 | 0.015 |
| 193201X | 001110 | MN | WINONA | MAIN STREET | STOCKTON | FLASHING LIGHTS | FLASHING LIGHTS | 1750 | 21 | 13 | 49 | 1 | 1 | 2 | 0.114 | 5 | 0 | 0.062 | 0.033 |
| 193206G | 001680 | MN | WINONA | Dutchman/TWP 1 | LEWISTON | PASSIVE | PASSIVE | 55 | 21 | 13 | 25 | 1 | 2 | 2 | 0.024 | 5 | 0 | 0.018 | 0.013 |
| 193207N | 001780 | MN | WINONA | CO RD 25 | LEWISTON | FLASHING LIGHTS | FLASHING LIGHTS | 1850 | 21 | 13 | 49 | 1 | 1 | 2 | 0.116 | 5 | 0 | 0.063 | 0.034 |
| 193209C | 001840 | MN | WINONA | FREMONT STREET | LEWISTON | GATES | GATES | 1700 | 21 | 13 | 49 | 2 | 1 | 2 | 0.066 | 5 | 0 | 0.042 | 0.021 |
| Segment 2 Lewiston to Owatonna MP 18.4 to 88.1 | | | | | | | | | | | | | | | | | | | |
| 193210W | 1900 | MN | WINONA | Golf Crossing | UTICA | PASSIVE | PASSIVE | 55 | 21 | 13.13 | 49 | 1 | 2 | 1 | 0.029 | 5 | 0 | 0.021 | 0.015 |
| 193211D | 002090 | MN | WINONA | TWP 13 | UTICA | PASSIVE | PASSIVE | 55 | 21 | 13 | 49 | 1 | 2 | 2 | 0.029 | 5 | 0 | 0.021 | 0.015 |
| 193247L | 002190 | MN | WINONA | CO RD 18 | UTICA | PASSIVE | PASSIVE | 200 | 21 | 13 | 49 | 1 | 1 | 2 | 0.085 | 5 | 0 | 0.051 | 0.036 |
| 193248T | 002270 | MN | WINONA | CENTER ST | UTICA | FLASHING LIGHTS | FLASHING LIGHTS | 950 | 21 | 13 | 49 | 1 | 1 | 2 | 0.088 | 5 | 2 | 0.216 | 0.114 |
| 193249A | 2300 | MN | WINONA | 2nd. AVE | UTICA | PASSIVE | PASSIVE | 39 | 21 | 13.13 | 49 | 1 | 2 | 1 | 0.026 | 5 | 0 | 0.019 | 0.013 |
| 193250U | 002400 | MN | WINONA | TWP 5 | UTICA | PASSIVE | PASSIVE | 55 | 21 | 13 | 49 | 1 | 2 | 2 | 0.029 | 5 | 0 | 0.021 | 0.015 |
| 193251B | 2540 | MN | WINONA | CO RD 37 | UTICA | PASSIVE | PASSIVE | 180 | 21 | 13 | 49 | 1 | 2 | 2 | 0.045 | 5 | 0 | 0.030 | 0.022 |
| 193253P | 002650 | MN | WINONA | TWP 13 | ST CHARLES | PASSIVE | PASSIVE | 55 | 21 | 13 | 49 | 1 | 2 | 2 | 0.029 | 5 | 0 | 0.021 | 0.015 |
| 193193H | 2780 | MN | WINONA | TERRY DRIVE | ST CHARLES | PASSIVE | PASSIVE | 500 | 21 | 13.13 | 49 | 2 | 2 | 2 | 0.066 | 5 | 0 | 0.042 | 0.030 |
| 193254W | 002820 | MN | WINONA | RICHLAND AVE | ST CHARLES | PASSIVE | PASSIVE | 380 | 21 | 13 | 49 | 2 | 1 | 2 | 0.108 | 5 | 0 | 0.060 | 0.043 |
| 193255D | 002840 | MN | WINONA | WHITEWATER | ST CHARLES | GATES | GATES | 4050 | 21 | 13 | 49 | 2 | 1 | 4 | 0.114 | 5 | 0 | 0.063 | 0.031 |
| 193256K | 002850 | MN | WINONA | ST. CHARLES AVE | ST CHARLES | PASSIVE | PASSIVE | 780 | 21 | 13 | 49 | 1 | 1 | 2 | 0.140 | 5 | 0 | 0.072 | 0.052 |
| 193257S | 002870 | MN | WINONA | W. 11TH STREET | ST CHARLES | PASSIVE | PASSIVE | 480 | 21 | 13 | 49 | 1 | 1 | 2 | 0.117 | 5 | 0 | 0.064 | 0.046 |
| 193194P | 2900 | MN | WINONA | CO RD 126/WEST END | ST CHARLES | PASSIVE | PASSIVE | 380 | 21 | 13 | 49 | 2 | 1 | 2 | 0.108 | 5 | 0 | 0.060 | 0.043 |
| 193258Y | 003010 | MN | OLMSTED | TWP 338 | ST CHARLES | PASSIVE | PASSIVE | 25 | 21 | 13 | 49 | 2 | 2 | 2 | 0.022 | 5 | 0 | 0.016 | 0.011 |
| 193259F | 003040 | MN | OLMSTED | 19TH AVE/TWP 591 | DOVER | PASSIVE | PASSIVE | 25 | 21 | 13 | 49 | 2 | 2 | 2 | 0.022 | 5 | 0 | 0.016 | 0.011 |
| 193195W | 003090 | MN | OLMSTED | TWP 667 | DOVER | PASSIVE | PASSIVE | 25 | 21 | 13 | 49 | 2 | 2 | 1 | 0.022 | 5 | 0 | 0.016 | 0.011 |
| 193260A | 003220 | MN | OLMSTED | CHATFIELD ST | DOVER | FLASHING LIGHTS | FLASHING LIGHTS | 1300 | 21 | 13 | 49 | 1 | 1 | 2 | 0.101 | 5 | 1 | 0.143 | 0.076 |
| 193261G | 003420 | MN | OLMSTED | CSAH 32 | DOVER | PASSIVE | PASSIVE | 200 | 21 | 13 | 49 | 1 | 2 | 2 | 0.047 | 5 | 0 | 0.032 | 0.023 |
| 193262N | 003530 | MN | OLMSTED | 140TH AVE/TWP 90 | EYOTA | PASSIVE | PASSIVE | 50 | 21 | 13 | 49 | 1 | 2 | 2 | 0.028 | 5 | 0 | 0.020 | 0.014 |
| 193263V | 003680 | MN | OLMSTED | CENTER AVE/CSAH 7 | EYOTA | GATES | GATES | 2300 | 21 | 13 | 49 | 3 | 1 | 4 | 0.112 | 5 | 0 | 0.062 | 0.030 |
| 193289X | 006130 | MN | DODGE | CO RD 15 | BYRON | PASSIVE | PASSIVE | 670 | 21 | 13 | 49 | 2 | 1 | 2 | 0.133 | 5 | 1 | 0.165 | 0.118 |
| 193290S | 006230 | MN | DODGE | TWP 30 | KASSON | PASSIVE | PASSIVE | 55 | 21 | 13 | 49 | 2 | 2 | 2 | 0.029 | 5 | 0 | 0.021 | 0.015 |
| 193291Y | 006350 | MN | DODGE | MANTORVILLE AVE. | KASSON | GATES | GATES | 2750 | 21 | 13 | 49 | 2 | 1 | 2 | 0.076 | 5 | 0 | 0.047 | 0.023 |
| 193292F | 006360 | MN | DODGE | SECOND AVE S.W. | KASSON | PASSIVE | PASSIVE | 610 | 21 | 13 | 49 | 2 | 1 | 2 | 0.128 | 5 | 0 | 0.068 | 0.049 |
| 193293M | 006370 | MN | DODGE | THIRD AVE SW | KASSON | PASSIVE | PASSIVE | 360 | 21 | 13 | 49 | 2 | 1 | 2 | 0.106 | 5 | 0 | 0.059 | 0.042 |
| 193294U | 006430 | MN | DODGE | EIGHTH AVE. S.W. | KASSON | PASSIVE | PASSIVE | 860 | 21 | 13 | 49 | 3 | 1 | 2 | 0.146 | 5 | 0 | 0.074 | 0.053 |
| 196630L | 006520 | MN | DODGE | US HWY 14 | KASSON | FLASHING LIGHTS | FLASHING LIGHTS | 7900 | 21 | 13 | 49 | 2 | 1 | 2 | 0.256 | 5 | 0 | 0.101 | 0.054 |
| 193296H | 006530 | MN | DODGE | CO RD 34/ TWP 134 | KASSON | PASSIVE | PASSIVE | 60 | 21 | 13 | 49 | 2 | 2 | 2 | 0.030 | 5 | 0 | 0.021 | 0.015 |
| 193357W | 006630 | MN | DODGE | CO RD 9 | KASSON | PASSIVE | PASSIVE | 540 | 21 | 13 | 49 | 2 | 1 | 2 | 0.123 | 5 | 0 | 0.066 | 0.047 |
| 193358D | 006740 | MN | DODGE | TWP 139 | DODGE CENTER | PASSIVE | PASSIVE | 45 | 21 | 13 | 49 | 1 | 2 | 2 | 0.027 | 5 | 0 | 0.019 | 0.014 |
| 193359K | 006840 | MN | DODGE | AIRPORT DRIVE S. | DODGE CENTER | PASSIVE | PASSIVE | 135 | 21 | 13 | 49 | 2 | 1 | 2 | 0.073 | 5 | 0 | 0.045 | 0.033 |
| 193297P | 006890 | MN | DODGE | 4TH AVE. S.E. | DODGE CENTER | PASSIVE | PASSIVE | 380 | 21 | 13 | 49 | 1 | 2 | 2 | 0.059 | 5 | 2 | 0.180 | 0.129 |
| 193360E | 006900 | MN | DODGE | SECOND AVE. S.E. | DODGE CENTER | PASSIVE | PASSIVE | 380 | 21 | 13 | 49 | 2 | 1 | 2 | 0.108 | 5 | 0 | 0.060 | 0.043 |
| 193361L | 006910 | MN | DODGE | FIRST AVE. S.E. | DODGE CENTER | PASSIVE | PASSIVE | 380 | 21 | 13 | 49 | 1 | 1 | 2 | 0.108 | 5 | 0 | 0.060 | 0.043 |
| 193298W | 006920 | MN | DODGE | CENTRAL AVE | DODGE CENTER | PASSIVE | PASSIVE | 380 | 21 | 13 | 49 | 2 | 1 | 2 | 0.108 | 5 | 1 | 0.148 | 0.106 |
| 193362T | 006930 | MN | DODGE | FIRST AVE S.W. | DODGE CENTER | PASSIVE | PASSIVE | 380 | 21 | 13 | 49 | 1 | 1 | 2 | 0.108 | 5 | 0 | 0.060 | 0.043 |
| 193299D | 006940 | MN | DODGE | 2ND AVE. S.W. | DODGE CENTER | PASSIVE | PASSIVE | 380 | 21 | 13 | 49 | 1 | 1 | 2 | 0.108 | 5 | 0 | 0.060 | 0.043 |

Post-Construction Accident Prediction Summary
Minnesota 50 MNT
Alternative B

| FRA ID | MILEPOST | STATE | COUNTY | STREET | CITY | EXISTING DEVICE | PROPOSED DEVICE | ADT c | TRNS PER DAY t | NO. THRU TRNS/DAY DAYLIGHT d | MAX. TT SPEED (MPH) | NO. MAIN TRKS | HWY PAVED YES=1 NO=2 | NO. HWY LANES | BASIC FORMULA INITIAL (ACCIDENTS/YR) a | NO. YRS T | NO. OBSERVED ACCIDENTS 1993-1997 N | PREDICTED ACCIDENTS PER YR B | Estimated Annual Accident Frequency A |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 193363A | 006950 | MN | DODGE | THIRD AVE N.W. | DODGE CENTER | FLASHING LIGHTS | FLASHING LIGHTS | 3300 | 21 | 13 | 49 | 1 | 1 | 2 | 0.147 | 5 | 1 | 0.174 | 0.092 |
| 193300V | 007000 | MN | DODGE | CO RD H | DODGE CENTER | PASSIVE | PASSIVE | 500 | 21 | 13 | 49 | 1 | 1 | 2 | 0.119 | 5 | 0 | 0.065 | 0.046 |
| 193364G | 007140 | MN | DODGE | TWP 145 | DODGE CENTER | PASSIVE | PASSIVE | 55 | 21 | 13 | 49 | 1 | 2 | 2 | 0.029 | 5 | 0 | 0.021 | 0.015 |
| 193303R | 7190 | MN | DODGE | Twp 153 | DODGE CENTER | PASSIVE | PASSIVE | 10 | 21 | 13 | 49 | 1 | 2 | 2 | 0.015 | 5 | 0 | 0.012 | 0.008 |
| 193365N | 007270 | MN | DODGE | CO RD 5 | CLAREMONT | PASSIVE | PASSIVE | 310 | 21 | 13 | 49 | 1 | 1 | 2 | 0.100 | 5 | 0 | 0.057 | 0.041 |
| 193366V | 007320 | MN | DODGE | TWP 180 | CLAREMONT | PASSIVE | PASSIVE | 49 | 21 | 13 | 49 | 1 | 2 | 2 | 0.028 | 5 | 0 | 0.020 | 0.014 |
| 193367C | 7370 | MN | DODGE | TWP 154 | CLAREMONT | PASSIVE | PASSIVE | 55 | 21 | 13 | 49 | 1 | 2 | 2 | 0.029 | 5 | 0 | 0.021 | 0.015 |
| 193368J | 007480 | MN | DODGE | TWP 157 | CLAREMONT | PASSIVE | PASSIVE | 55 | 21 | 13 | 49 | 2 | 2 | 2 | 0.029 | 5 | 0 | 0.021 | 0.015 |
| 193369R | 007580 | MN | DODGE | CO RD 3 | CLAREMONT | PASSIVE | PASSIVE | 570 | 21 | 13 | 49 | 2 | 1 | 2 | 0.125 | 5 | 0 | 0.067 | 0.048 |
| 193370K | 007640 | MN | DODGE | ELM | CLAREMONT | PASSIVE | PASSIVE | 380 | 21 | 13 | 49 | 2 | 2 | 1 | 0.059 | 5 | 0 | 0.038 | 0.027 |
| 193371S | 007680 | MN | DODGE | CO RD 1 | CLAREMONT | PASSIVE | PASSIVE | 550 | 21 | 13 | 49 | 2 | 1 | 2 | 0.123 | 5 | 1 | 0.159 | 0.114 |
| 193307T | 007780 | MN | DODGE | TWP 171 | CLAREMONT | PASSIVE | PASSIVE | 55 | 21 | 13 | 49 | 2 | 2 | 2 | 0.029 | 5 | 0 | 0.021 | 0.015 |
| 193372Y | 007980 | MN | STEELE | CO RD 16/SE 84th Ave | CLAREMONT | PASSIVE | PASSIVE | 175 | 21 | 13 | 49 | 1 | 1 | 2 | 0.081 | 5 | 0 | 0.049 | 0.035 |
| 193373F | 008090 | MN | STEELE | SE 74TH AVE | CLAREMONT | PASSIVE | PASSIVE | 55 | 21 | 13 | 49 | 1 | 2 | 2 | 0.029 | 5 | 0 | 0.021 | 0.015 |
| 193311H | 8130 | MN | STEELE | SE 28th AVE | CLAREMONT | PASSIVE | PASSIVE | 55 | 21 | 13.13 | 49 | 1 | 2 | 2 | 0.029 | 5 | 0 | 0.021 | 0.015 |
| 193374M | 008180 | MN | STEELE | SE 64TH ST | OWATONNA | PASSIVE | PASSIVE | 80 | 21 | 13 | 49 | 1 | 2 | 2 | 0.033 | 5 | 0 | 0.024 | 0.017 |
| 193375U | 008290 | MN | STEELE | US HWY 14 | OWATONNA | FLASHING LIGHTS | FLASHING LIGHTS | 4700 | 21 | 13 | 49 | 1 | 1 | 4 | 0.246 | 5 | 1 | 0.218 | 0.116 |
| 193376B | 008390 | MN | STEELE | SE 44th Ave/ Co Rd 59 | OWATONNA | PASSIVE | PASSIVE | 365 | 21 | 13 | 49 | 1 | 1 | 2 | 0.106 | 5 | 0 | 0.060 | 0.043 |
| 193312P | 008500 | MN | STEELE | SE 34TH AVE | OWATONNA | PASSIVE | PASSIVE | 55 | 21 | 13 | 49 | 2 | 2 | 2 | 0.029 | 5 | 0 | 0.021 | 0.015 |
| 193377H | 008540 | MN | STEELE | CO RD 71 | OWATONNA | PASSIVE | PASSIVE | 155 | 21 | 13 | 49 | 2 | 1 | 2 | 0.077 | 5 | 0 | 0.047 | 0.034 |
| 193382E | 8740 | MN | STEELE | RICE LAKE STREET | OWATONNA | FLASHING LIGHTS | FLASHING LIGHTS | 1500 | 21 | 13 | 49 | 1 | 1 | 2 | 0.107 | 5 | 0 | 0.060 | 0.032 |
| 380294J | 8750 | MN | STEELE | E. Vine St | OWATONNA | PASSIVE | PASSIVE | 200 | 21 | 13.125 | 49 | 1 | 1 | 2 | 0.085 | 5 | 0 | 0.051 | 0.036 |
| 187034M | 8760 | MN | STEELE | Chestnut St | OWATONNA | PASSIVE | PASSIVE | 200 | 21 | 13.125 | 49 | 1 | 2 | 1 | 0.047 | 5 | 0 | 0.032 | 0.023 |
| 187033F | 008776 | MN | STEELE | ROSE ST | OWATONNA | GATES | GATES | 3515 | 21 | 13 | 49 | 1 | 1 | 2 | 0.071 | 5 | 0 | 0.044 | 0.022 |
| 187032Y | 8780 | MN | STEELE | Pine Ave | OWATONNA | GATES | GATES | 2000 | 21 | 13.125 | 49 | 1 | 1 | 2 | 0.060 | 5 | 0 | 0.039 | 0.019 |
| Segment 3<br>Owatonna to Waseca<br>MP 88.1 to 102.5 | | | | | | | | | | | | | | | | | | | |
| 193383L | 8830 | MN | STEELE | ELM AVE | OWATONNA | FLASHING LIGHTS | FLASHING LIGHTS | 2515 | 21 | 13 | 49 | 4 | 1 | 4 | 0.338 | 5 | 0 | 0.115 | 0.061 |
| 193384T | 008840 | MN | STEELE | CEDAR AVE | OWATONNA | FLASHING LIGHTS | FLASHING LIGHTS | 6800 | 21 | 13 | 49 | 3 | 1 | 4 | 0.419 | 5 | 0 | 0.125 | 0.066 |
| 193388V | 008890 | MN | STEELE | STATE AVE | OWATONNA | FLASHING LIGHTS | FLASHING LIGHTS | 5600 | 21 | 13 | 49 | 1 | 1 | 2 | 0.183 | 5 | 0 | 0.085 | 0.045 |
| 193390W | 008950 | MN | STEELE | PARK DRIVE | OWATONNA | FLASHING LIGHTS | FLASHING LIGHTS | 125 | 21 | 13 | 49 | 1 | 1 | 2 | 0.038 | 5 | 0 | 0.027 | 0.014 |
| 193391D | 008970 | MN | STEELE | 24TH AVE/ CO RD 75 | OWATONNA | FLASHING LIGHTS | FLASHING LIGHTS | 2700 | 21 | 13 | 49 | 1 | 1 | 2 | 0.136 | 5 | 1 | 0.167 | 0.088 |
| 193392K | 009030 | MN | STEELE | 32ND AVE/TWP 229 | OWATONNA | PASSIVE | PASSIVE | 70 | 21 | 13 | 49 | 1 | 2 | 2 | 0.032 | 5 | 1 | 0.081 | 0.058 |
| 193394Y | 9250 | MN | STEELE | 52ND AVE SW | OWATONNA | PASSIVE | PASSIVE | 290 | 21 | 13 | 49 | 2 | 1 | 4 | 0.097 | 5 | 0 | 0.056 | 0.040 |
| 193395F | 9350 | MN | STEELE | NW 62ND AVE | OWATONNA | PASSIVE | PASSIVE | 100 | 21 | 13 | 49 | 2 | 1 | 4 | 0.066 | 5 | 0 | 0.042 | 0.030 |
| 193397U | 009640 | MN | STEELE | SW 92ND AVE | MERIDEN | PASSIVE | PASSIVE | 555 | 21 | 13 | 49 | 2 | 1 | 2 | 0.124 | 5 | 1 | 0.159 | 0.114 |
| 193398B | 009780 | MN | WASECA | 178TH ST/ TWP 128 | MERIDEN | PASSIVE | PASSIVE | 55 | 21 | 13 | 49 | 2 | 2 | 2 | 0.029 | 5 | 2 | 0.134 | 0.096 |
| 193399H | 009930 | MN | WASECA | GOOSE LAKE XING | WASECA | PASSIVE | PASSIVE | 10 | 21 | 13 | 49 | 1 | 2 | 1 | 0.015 | 5 | 0 | 0.012 | 0.008 |
| 193400A | 010090 | MN | WASECA | 145TH ST/CO RD 5 | WASECA | PASSIVE | PASSIVE | 500 | 21 | 13 | 49 | 1 | 1 | 2 | 0.119 | 5 | 0 | 0.065 | 0.046 |
| 193403V | 010180 | MN | WASECA | 8TH STREET S.E. | WASECA | FLASHING LIGHTS | FLASHING LIGHTS | 2000 | 21 | 13 | 49 | 1 | 1 | 2 | 0.120 | 5 | 0 | 0.065 | 0.034 |
| 193404C | 010200 | MN | WASECA | 7TH STREET SE | WASECA | PASSIVE | PASSIVE | 200 | 21 | 13 | 49 | 1 | 1 | 2 | 0.085 | 5 | 1 | 0.131 | 0.094 |
| 193405J | 010220 | MN | WASECA | 5TH ST. SE | WASECA | PASSIVE | PASSIVE | 2700 | 21 | 13 | 49 | 1 | 1 | 2 | 0.222 | 5 | 0 | 0.094 | 0.067 |
| 193406R | 010250 | MN | WASECA | STATE ST. | WASECA | FLASHING LIGHTS | FLASHING LIGHTS | 7900 | 21 | 13 | 49 | 1 | 1 | 2 | 0.211 | 5 | 0 | 0.092 | 0.048 |
| Segment 4<br>Waseca to Walnut Grove<br>MP 102.5 to 219 | | | | | | | | | | | | | | | | | | | |
| 193314D | 010260 | MN | WASECA | 2ND ST. S.W. | WASECA | FLASHING LIGHTS | FLASHING LIGHTS | 1050 | 21 | 13 | 49 | 1 | 1 | 2 | 0.092 | 5 | 0 | 0.054 | 0.029 |

Post-Construction Accident Prediction Summary
Minnesota 50 MNT
Alternative B

| FRA ID | MILEPOST | STATE | COUNTY | STREET | CITY | EXISTING DEVICE | PROPOSED DEVICE | ADT c | TRNS PER DAY t | NO. THRU TRNS/DAY DAYLIGHT d | MAX. TT SPEED (MPH) | NO. MAIN TRKS | HWY PAVED YES=1 NO=2 | NO. HWY LANES | BASIC FORMULA INITIAL (ACCIDENTS/YR) a | NO. YRS T | NO. OBSERVED ACCIDENTS 1993-1997 N | PREDICTED ACCIDENTS PER YR B | Estimated Annual Accident Frequency A |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 193315K | 010270 | MN | WASECA | 4TH ST. S.W. | WASECA | GATES | GATES | 2700 | 21 | 13 | 49 | 3 | 1 | 2 | 0.088 | 5 | 0 | 0.052 | 0.026 |
| 193317Y | 010340 | MN | WASECA | CO RD 57 | WASECA | FLASHING LIGHTS | FLASHING LIGHTS | 650 | 21 | 13 | 49 | 2 | 1 | 2 | 0.092 | 5 | 0 | 0.054 | 0.028 |
| 193318F | 010380 | MN | WASECA | BROWN ST/CO RD 2 | WASECA | FLASHING LIGHTS | FLASHING LIGHTS | 2600 | 21 | 13 | 49 | 2 | 1 | 2 | 0.162 | 5 | 1 | 0.182 | 0.096 |
| 193320G | 010460 | MN | WASECA | AIRPORT/CO RD 27 | WASECA | PASSIVE | PASSIVE | 810 | 21 | 13 | 49 | 2 | 1 | 2 | 0.142 | 5 | 0 | 0.073 | 0.052 |
| 193322V | 010620 | MN | WASECA | CO RD 52/ 95TH ST | WASECA | PASSIVE | PASSIVE | 55 | 21 | 13 | 49 | 2 | 2 | 2 | 0.029 | 5 | 0 | 0.021 | 0.015 |
| 193324J | 010730 | MN | WASECA | 85TH ST/ TWP 161 | WASECA | PASSIVE | PASSIVE | 55 | 21 | 13 | 49 | 2 | 2 | 2 | 0.029 | 5 | 0 | 0.021 | 0.015 |
| 193326X | 010850 | MN | WASECA | CO RD 17 | JANESVILLE | PASSIVE | PASSIVE | 190 | 21 | 13 | 49 | 1 | 2 | 2 | 0.046 | 5 | 0 | 0.031 | 0.022 |
| 193328L | 010960 | MN | WASECA | 60TH ST | JANESVILLE | PASSIVE | PASSIVE | 10 | 21 | 13 | 49 | 1 | 2 | 2 | 0.015 | 5 | 0 | 0.012 | 0.008 |
| 193329T | 11020 | MN | WASECA | Twp 92 | JANESVILLE | PASSIVE | PASSIVE | 20 | 21 | 13.125 | 49 | 1 | 1 | 2 | 0.036 | 5 | 0 | 0.025 | 0.018 |
| 193341A | 011090 | MN | WASECA | CO RD 33 & 36 | JANESVILLE | PASSIVE | PASSIVE | 110 | 21 | 13 | 49 | 1 | 2 | 2 | 0.037 | 5 | 0 | 0.026 | 0.019 |
| 193342G | 11190 | MN | WASECA | COUNTY ROAD 53 | JANESVILLE | PASSIVE | PASSIVE | 100 | 21 | 13.13 | 49 | 1 | 2 | 2 | 0.036 | 5 | 0 | 0.025 | 0.018 |
| 193344V | 011260 | MN | WASECA | TEAL ST | JANESVILLE | PASSIVE | PASSIVE | 1100 | 21 | 13 | 49 | 4 | 1 | 2 | 0.160 | 5 | 0 | 0.078 | 0.056 |
| 193346J | 011280 | MN | WASECA | MAIN STREET | JANESVILLE | GATES | GATES | 1900 | 21 | 13 | 49 | 3 | 1 | 2 | 0.080 | 5 | 0 | 0.048 | 0.024 |
| 193348X | 011300 | MN | WASECA | CRAIG ST | JANESVILLE | PASSIVE | PASSIVE | 380 | 21 | 13 | 49 | 1 | 1 | 2 | 0.108 | 5 | 0 | 0.060 | 0.043 |
| 193349E | 011310 | MN | WASECA | SKOOKUM ST | JANESVILLE | PASSIVE | PASSIVE | 380 | 21 | 13 | 49 | 1 | 2 | 2 | 0.059 | 5 | 0 | 0.038 | 0.027 |
| 193354B | 011510 | MN | WASECA | CO RD 60 | JANESVILLE | PASSIVE | PASSIVE | 275 | 21 | 13 | 49 | 2 | 1 | 2 | 0.096 | 5 | 1 | 0.140 | 0.100 |
| 193356P | 011630 | MN | WASECA | CO RD 37 | JANESVILLE | PASSIVE | PASSIVE | 565 | 21 | 13 | 49 | 2 | 1 | 2 | 0.125 | 5 | 1 | 0.160 | 0.114 |
| 193407X | 011660 | MN | BLUE EARTH | CO RD 184 | JANESVILLE | PASSIVE | PASSIVE | 235 | 21 | 13 | 49 | 2 | 2 | 2 | 0.050 | 5 | 0 | 0.033 | 0.024 |
| 193410F | 11750 | MN | BLUE EARTH | Twp 313 | JANESVILLE | PASSIVE | PASSIVE | 100 | 21 | 13 | 49 | 2 | 2 | 2 | 0.036 | 5 | 0 | 0.025 | 0.018 |
| 193408E | 011870 | MN | BLUE EARTH | CO RD 185 | EAGLE LAKE | PASSIVE | PASSIVE | 85 | 21 | 13 | 49 | 1 | 2 | 2 | 0.034 | 5 | 0 | 0.024 | 0.017 |
| 193411M | 011980 | MN | BLUE EARTH | TWP 325 | EAGLE LAKE | PASSIVE | PASSIVE | 73 | 21 | 13 | 49 | 1 | 2 | 2 | 0.032 | 5 | 0 | 0.023 | 0.016 |
| 193414H | 012080 | MN | BLUE EARTH | TWP 332 | EAGLE LAKE | PASSIVE | PASSIVE | 39 | 21 | 13 | 49 | 1 | 1 | 2 | 0.046 | 5 | 0 | 0.031 | 0.022 |
| 193509R | 14720 | MN | BLUE EARTH | Twp 461 | | PASSIVE | PASSIVE | 100 | 21 | 13.13 | 49 | 2 | 2 | 1 | 0.036 | 5 | 0 | 0.025 | 0.018 |
| 193480V | 14890 | MN | BLUE EARTH | JUDSON FORD RD | MANKATO | PASSIVE | PASSIVE | 52 | 21 | 13 | 49 | 1 | 2 | 2 | 0.028 | 5 | 0 | 0.020 | 0.015 |
| 193481C | 14980 | MN | BLUE EARTH | CSAH 42 | MANKATO | PASSIVE | PASSIVE | 970 | 21 | 13 | 49 | 2 | 1 | 2 | 0.152 | 5 | 0 | 0.076 | 0.054 |
| 193482J | 14990 | MN | BLUE EARTH | PARK ST/ TWP 245 | MANKATO | PASSIVE | PASSIVE | 60 | 21 | 13 | 49 | 3 | 1 | 2 | 0.054 | 5 | 0 | 0.036 | 0.026 |
| 193483R | 15020 | MN | BLUE EARTH | PRAIRIE ST/ TWP 249 | MANKATO | PASSIVE | PASSIVE | 55 | 21 | 13 | 49 | 3 | 2 | 1 | 0.029 | 5 | 0 | 0.021 | 0.015 |
| 193484X | 15630 | MN | BLUE EARTH | CSAH 6 | NEW ULM | PASSIVE | PASSIVE | 160 | 21 | 13 | 49 | 1 | 1 | 2 | 0.078 | 5 | 0 | 0.048 | 0.034 |
| 193485E | 15660 | MN | BLUE EARTH | TWP 236 | NEW ULM | PASSIVE | PASSIVE | 80 | 21 | 13 | 49 | 1 | 1 | 2 | 0.060 | 5 | 0 | 0.039 | 0.028 |
| 193487T | 15810 | MN | BLUE EARTH | CSAH 45 | NEW ULM | FLASHING LIGHTS | FLASHING LIGHTS | 750 | 21 | 13 | 49 | 1 | 1 | 2 | 0.080 | 5 | 0 | 0.049 | 0.026 |
| 193571H | 16060 | MN | BROWN | Twp 97 | NEW ULM | PASSIVE | PASSIVE | 100 | 21 | 13 | 49 | 2 | 2 | 2 | 0.036 | 5 | 0 | 0.025 | 0.018 |
| 193522E | 16270 | MN | BROWN | SHAG RD/ TWP 96 | NEW ULM | PASSIVE | PASSIVE | 115 | 21 | 13 | 49 | 1 | 2 | 2 | 0.038 | 5 | 0 | 0.026 | 0.019 |
| 193523L | 16310 | MN | BROWN | Tower Rd. | NEW ULM | PASSIVE | PASSIVE | 50 | 21 | 13 | 49 | 2 | 1 | 2 | 0.051 | 5 | 1 | 0.101 | 0.072 |
| 193488A | 16410 | MN | BROWN | 20TH SOUTH ST. | NEW ULM | FLASHING LIGHTS | FLASHING LIGHTS | 5300 | 21 | 13 | 49 | 2 | 1 | 4 | 0.313 | 5 | 0 | 0.111 | 0.059 |
| 196260K | 16440 | MN | BROWN | SE 16th St | NEW ULM | PASSIVE | PASSIVE | 630 | 21 | 13.125 | 49 | 2 | 2 | 2 | 0.071 | 5 | 0 | 0.044 | 0.032 |
| 196261S | 16460 | MN | BROWN | S 12th St. | NEW ULM | GATES | GATES | 800 | 21 | 13 | 49 | 2 | 1 | 2 | 0.053 | 5 | 0 | 0.035 | 0.017 |
| 193491H | 016490 | MN | BROWN | 7TH SOUTH ST. | NEW ULM | PASSIVE | PASSIVE | 650 | 21 | 13 | 49 | 5 | 1 | 2 | 0.131 | 5 | 0 | 0.069 | 0.049 |
| 193492P | 16520 | MN | BROWN | 3RD SOUTH ST. | NEW ULM | FLASHING LIGHTS | FLASHING LIGHTS | 770 | 21 | 13 | 49 | 7 | 1 | 2 | 0.256 | 5 | 1 | 0.222 | 0.118 |
| 193493W | 016540 | MN | BROWN | 1ST SOUTH ST. | NEW ULM | FLASHING LIGHTS | FLASHING LIGHTS | 1400 | 21 | 13 | 49 | 2 | 1 | 2 | 0.126 | 5 | 0 | 0.067 | 0.035 |
| 193494D | 016550 | MN | BROWN | CENTER ST | NEW ULM | PASSIVE | PASSIVE | 1200 | 21 | 13 | 49 | 3 | 1 | 2 | 0.165 | 5 | 2 | 0.287 | 0.205 |
| 193525A | 016558 | MN | BROWN | N FIRST STREET | NEW ULM | PASSIVE | PASSIVE | 630 | 21 | 13 | 49 | 2 | 1 | 2 | 0.130 | 5 | 1 | 0.163 | 0.117 |
| 193537U | 16570 | MN | BROWN | 3RD NORTH ST. | NEW ULM | FLASHING LIGHTS | FLASHING LIGHTS | 1750 | 21 | 13 | 49 | 1 | 1 | 2 | 0.114 | 5 | 1 | 0.152 | 0.081 |
| 193536M | 16680 | MN | BROWN | MINNESOTA ST&17TH | NEW ULM | FLASHING LIGHTS | FLASHING LIGHTS | 970 | 21 | 13 | 49 | 1 | 1 | 2 | 0.089 | 5 | 0 | 0.053 | 0.028 |
| 911203V | 16720 | MN | BROWN | N. 20th St. | NEW ULM | FLASHING LIGHTS | FLASHING LIGHTS | 3500 | 21 | 13.125 | 49 | 1 | 1 | 2 | 0.151 | 5 | 0 | 0.075 | 0.040 |
| 193560N | 16800 | MN | BROWN | BOUNDARY ST/N 23RD | NEW ULM | PASSIVE | PASSIVE | 630 | 21 | 13 | 49 | 1 | 2 | 2 | 0.071 | 5 | 1 | 0.120 | 0.086 |
| 193572H | 016950 | MN | BROWN | CO RD 12 | NEW ULM | PASSIVE | PASSIVE | 60 | 21 | 13 | 49 | 1 | 2 | 2 | 0.030 | 5 | 0 | 0.021 | 0.015 |
| 193573P | 017050 | MN | BROWN | TWP 128 | NEW ULM | PASSIVE | PASSIVE | 55 | 21 | 13 | 49 | 1 | 2 | 2 | 0.029 | 5 | 0 | 0.021 | 0.015 |
| 193579F | 017150 | MN | BROWN | TWP 245 | ESSIG | PASSIVE | PASSIVE | 55 | 21 | 13 | 49 | 2 | 2 | 2 | 0.029 | 5 | 0 | 0.021 | 0.015 |

Post-Construction Accident Prediction Summary
Minnesota 50 MNT
Alternative B

| FRA ID | MILEPOST | STATE | COUNTY | STREET | CITY | EXISTING DEVICE | PROPOSED DEVICE | ADT c | TRNS PER DAY t | NO. THRU TRNS/DAY DAYLIGHT d | MAX. TT SPEED (MPH) | NO. MAIN TRKS | HWY PAVED YES=1 NO=2 | NO. HWY LANES | BASIC FORMULA INITIAL (ACCIDENTS/YR) a | NO. YRS T | NO. OBSERVED ACCIDENTS 1993-1997 N | PREDICTED ACCIDENTS PER YR B | Estimated Annual Accident Frequency A |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 193574W | 017250 | MN | BROWN | TWP 238 | ESSIG | PASSIVE | PASSIVE | 40 | 21 | 13 | 49 | 2 | 2 | 2 | 0.026 | 5 | 0 | 0.019 | 0.013 |
| 193546T | 017310 | MN | BROWN | TWP 129 | ESSIG | PASSIVE | PASSIVE | 80 | 21 | 13 | 49 | 2 | 2 | 2 | 0.033 | 5 | 0 | 0.024 | 0.017 |
| 193575D | 017360 | MN | BROWN | CO RD 11/CENTER ST | ESSIG | PASSIVE | PASSIVE | 355 | 21 | 13 | 49 | 2 | 1 | 2 | 0.105 | 5 | 0 | 0.059 | 0.042 |
| 193547A | 017370 | MN | BROWN | Essig W St/ TWP 131 | ESSIG | PASSIVE | PASSIVE | 780 | 21 | 13 | 49 | 2 | 1 | 2 | 0.140 | 5 | 0 | 0.072 | 0.052 |
| 193548G | 017510 | MN | BROWN | TWP 141 | ESSIG | PASSIVE | PASSIVE | 55 | 21 | 13 | 49 | 1 | 2 | 2 | 0.029 | 5 | 0 | 0.021 | 0.015 |
| 193577S | 17670 | MN | BROWN | CO RD 10 | SLEEPY EYE | PASSIVE | PASSIVE | 160 | 21 | 13 | 49 | 1 | 1 | 2 | 0.078 | 5 | 0 | 0.048 | 0.034 |
| 193578Y | 017780 | MN | BROWN | TWP 225 | ESSIG | PASSIVE | PASSIVE | 116 | 21 | 13 | 49 | 1 | 2 | 2 | 0.038 | 5 | 1 | 0.088 | 0.063 |
| 193558M | 017970 | MN | BROWN | 1ST AVE. | SLEEPY EYE | FLASHING LIGHTS | FLASHING LIGHTS | 3100 | 21 | 13 | 49 | 4 | 1 | 2 | 0.255 | 5 | 0 | 0.101 | 0.053 |
| 193557F | 017980 | MN | BROWN | 2ND AVE | SLEEPY EYE | FLASHING LIGHTS | FLASHING LIGHTS | 380 | 21 | 13 | 49 | 4 | 1 | 2 | 0.108 | 5 | 0 | 0.060 | 0.032 |
| 193584C | 017990 | MN | BROWN | 4TH AVE SE/ CSAH | SLEEPY EYE | PASSIVE | PASSIVE | 900 | 21 | 13 | 49 | 1 | 1 | 2 | 0.148 | 5 | 0 | 0.074 | 0.053 |
| 193553D | 018040 | MN | BROWN | 9TH AVE SE | SLEEPY EYE | PASSIVE | PASSIVE | 580 | 21 | 13 | 49 | 2 | 1 | 2 | 0.126 | 5 | 1 | 0.161 | 0.115 |
| 193554K | 018090 | MN | BROWN | Golf Course/ TWP 218 | SLEEPY EYE | PASSIVE | PASSIVE | 55 | 21 | 13 | 49 | 2 | 2 | 2 | 0.029 | 5 | 0 | 0.021 | 0.015 |
| 193588E | 018280 | MN | BROWN | TWP 138 | SLEEPY EYE | PASSIVE | PASSIVE | 40 | 21 | 13 | 49 | 2 | 2 | 2 | 0.026 | 5 | 0 | 0.019 | 0.013 |
| 193589L | 018380 | MN | BROWN | CO RD 8 | SLEEPY EYE | PASSIVE | PASSIVE | 600 | 21 | 13 | 49 | 2 | 1 | 2 | 0.127 | 5 | 2 | 0.256 | 0.183 |
| 193590F | 018600 | MN | BROWN | CO RD 7 | COBDEN | PASSIVE | PASSIVE | 130 | 21 | 13 | 49 | 2 | 1 | 2 | 0.072 | 5 | 0 | 0.045 | 0.032 |
| 193591M | 018610 | MN | BROWN | CENTER ST | COBDEN | PASSIVE | PASSIVE | 380 | 21 | 13 | 49 | 2 | 2 | 2 | 0.059 | 5 | 0 | 0.038 | 0.027 |
| 193592U | 018700 | MN | BROWN | TWP 3 | COBDEN | PASSIVE | PASSIVE | 48 | 21 | 13 | 49 | 2 | 2 | 2 | 0.028 | 5 | 0 | 0.020 | 0.014 |
| 193594H | 018870 | MN | BROWN | TWP 191 | COBDEN | PASSIVE | PASSIVE | 55 | 21 | 13 | 49 | 2 | 2 | 2 | 0.029 | 5 | 0 | 0.021 | 0.015 |
| 193595P | 018940 | MN | BROWN | MN HWY 258 | SPRINGFIELD | FLASHING LIGHTS | FLASHING LIGHTS | 480 | 21 | 13 | 49 | 1 | 1 | 2 | 0.067 | 5 | 0 | 0.042 | 0.022 |
| 193596W | 019050 | MN | BROWN | TWP 90 | SPRINGFIELD | PASSIVE | PASSIVE | 55 | 21 | 13 | 49 | 1 | 2 | 2 | 0.029 | 5 | 0 | 0.021 | 0.015 |
| 193610P | 019140 | MN | BROWN | TWP 85 | SPRINGFIELD | PASSIVE | PASSIVE | 55 | 21 | 13 | 49 | 1 | 2 | 2 | 0.029 | 5 | 0 | 0.021 | 0.015 |
| 911204C | 19260 | MN | BROWN | Cnty Rd 5 | SPRINGFIELD | PASSIVE | PASSIVE | 1250 | 21 | 13.125 | 49 | 1 | 1 | 2 | 0.167 | 5 | 1 | 0.184 | 0.132 |
| 193612D | 19270 | MN | BROWN | SANDBORN ST | SPRINGFIELD | PASSIVE | PASSIVE | 200 | 21 | 13.125 | 49 | 1 | 2 | 2 | 0.047 | 5 | 0 | 0.032 | 0.023 |
| 193613K | 019290 | MN | BROWN | WASHINGTON AVE. | SPRINGFIELD | PASSIVE | PASSIVE | 380 | 21 | 13 | 49 | 1 | 1 | 2 | 0.108 | 5 | 0 | 0.060 | 0.043 |
| 193599S | 019300 | MN | BROWN | LINCOLN ST | SPRINGFIELD | PASSIVE | PASSIVE | 380 | 21 | 13 | 49 | 3 | 1 | 2 | 0.108 | 5 | 0 | 0.060 | 0.043 |
| 193614S | 019310 | MN | BROWN | CASS ST | SPRINGFIELD | FLASHING LIGHTS | FLASHING LIGHTS | 1650 | 21 | 13 | 49 | 2 | 1 | 2 | 0.134 | 5 | 0 | 0.070 | 0.037 |
| 193616F | 019330 | MN | BROWN | OCONNELL AVE. | SPRINGFIELD | PASSIVE | PASSIVE | 1000 | 21 | 13 | 49 | 3 | 1 | 2 | 0.154 | 5 | 1 | 0.177 | 0.127 |
| 193600J | 019360 | MN | BROWN | BURNS AVE | SPRINGFIELD | PASSIVE | PASSIVE | 380 | 21 | 13 | 49 | 1 | 1 | 2 | 0.108 | 5 | 0 | 0.060 | 0.043 |
| 193859H | 019410 | MN | BROWN | CO RD 4 | SPRINGFIELD | FLASHING LIGHTS | FLASHING LIGHTS | 600 | 21 | 13 | 49 | 1 | 1 | 2 | 0.073 | 5 | 0 | 0.045 | 0.024 |
| 193710U | 019760 | MN | REDWOOD | CO RD 2 | SANBORN | PASSIVE | PASSIVE | 160 | 21 | 13 | 49 | 2 | 1 | 2 | 0.078 | 5 | 0 | 0.048 | 0.034 |
| 193711B | 020050 | MN | REDWOOD | TWP 2 | SANBORN | PASSIVE | PASSIVE | 56 | 21 | 13 | 49 | 1 | 2 | 2 | 0.029 | 5 | 0 | 0.021 | 0.015 |
| 193664V | 020080 | MN | REDWOOD | TWP 153 | SANBORN | PASSIVE | PASSIVE | 146 | 21 | 13 | 49 | 1 | 2 | 2 | 0.042 | 5 | 0 | 0.029 | 0.020 |
| 197897F | 020170 | MN | REDWOOD | MAIN ST. | SANBORN | FLASHING LIGHTS | FLASHING LIGHTS | 1300 | 21 | 13 | 49 | 4 | 1 | 2 | 0.179 | 5 | 0 | 0.083 | 0.044 |
| 197896Y | 020180 | MN | REDWOOD | SOUTH ST. | SANBORN | PASSIVE | PASSIVE | 380 | 21 | 13 | 49 | 4 | 2 | 2 | 0.059 | 5 | 0 | 0.038 | 0.027 |
| 193669E | 020260 | MN | REDWOOD | TWP 149 | SANBORN | PASSIVE | PASSIVE | 73 | 21 | 13 | 49 | 1 | 2 | 2 | 0.032 | 5 | 0 | 0.023 | 0.016 |
| 193671F | 020370 | MN | REDWOOD | TWP 147 & 148 | SANBORN | PASSIVE | PASSIVE | 55 | 21 | 13 | 49 | 1 | 2 | 2 | 0.029 | 5 | 0 | 0.021 | 0.015 |
| 197895S | 020880 | MN | REDWOOD | MAIN ST. | LAMBERTON | FLASHING LIGHTS | FLASHING LIGHTS | 380 | 21 | 13 | 49 | 4 | 1 | 2 | 0.108 | 5 | 0 | 0.060 | 0.032 |
| 197894K | 020910 | MN | REDWOOD | ILEX ST/ CO RD 6 | LAMBERTON | FLASHING LIGHTS | FLASHING LIGHTS | 1300 | 21 | 13 | 49 | 2 | 1 | 2 | 0.122 | 5 | 0 | 0.066 | 0.035 |
| 193712H | 21090 | MN | REDWOOD | TWP 190 | LAMBERTON | PASSIVE | PASSIVE | 55 | 21 | 13 | 49 | 1 | 2 | 2 | 0.029 | 5 | 0 | 0.021 | 0.015 |
| 193713P | 021300 | MN | REDWOOD | TWP 184 | REVERE | PASSIVE | PASSIVE | 99 | 21 | 13 | 49 | 1 | 2 | 2 | 0.036 | 5 | 0 | 0.025 | 0.018 |
| 197789J | 021370 | MN | REDWOOD | MAIN ST/ CO RD 127 | REVERE | FLASHING LIGHTS | FLASHING LIGHTS | 510 | 21 | 13 | 49 | 2 | 1 | 2 | 0.083 | 5 | 0 | 0.050 | 0.026 |
| 193714W | 021410 | MN | REDWOOD | CO RD 7 | REVERE | PASSIVE | PASSIVE | 320 | 21 | 13 | 49 | 2 | 1 | 2 | 0.101 | 5 | 0 | 0.058 | 0.041 |
| 193715D | 021500 | MN | REDWOOD | TWP 178 | REVERE | PASSIVE | PASSIVE | 55 | 21 | 13 | 49 | 2 | 2 | 2 | 0.029 | 5 | 0 | 0.021 | 0.015 |
| 193716K | 021610 | MN | REDWOOD | CO RD 10 | WALNUT GROVE | PASSIVE | PASSIVE | 125 | 21 | 13 | 49 | 2 | 1 | 2 | 0.071 | 5 | 0 | 0.044 | 0.032 |
| 193717S | 021710 | MN | REDWOOD | TWP 127 | WALNUT GROVE | PASSIVE | PASSIVE | 44 | 21 | 13 | 49 | 1 | 2 | 2 | 0.027 | 5 | 0 | 0.019 | 0.014 |
| 193718Y | 021810 | MN | REDWOOD | CO RD 80 | WALNUT GROVE | PASSIVE | PASSIVE | 530 | 21 | 13 | 49 | 1 | 1 | 2 | 0.122 | 5 | 0 | 0.066 | 0.047 |
| 193719F | 021880 | MN | REDWOOD | 1ST ST | WALNUT GROVE | PASSIVE | PASSIVE | 49 | 21 | 13 | 49 | 1 | 2 | 2 | 0.028 | 5 | 1 | 0.076 | 0.054 |
| 197893D | 021900 | MN | REDWOOD | 6TH ST. | WALNUT GROVE | FLASHING LIGHTS | FLASHING LIGHTS | 900 | 21 | 13 | 49 | 2 | 1 | 2 | 0.105 | 5 | 0 | 0.059 | 0.031 |

Post-Construction Accident Prediction Summary
Minnesota 50 MNT
Alternative B

| FRA ID | MILEPOST | STATE | COUNTY | STREET | CITY | EXISTING DEVICE | PROPOSED DEVICE | ADT c | TRNS PER DAY t | NO. THRU TRNS/DAY DAYLIGHT d | MAX. TT SPEED (MPH) | NO. MAIN TRKS | HWY PAVED YES=1 NO=2 | NO. HWY LANES | BASIC FORMULA INITIAL (ACCIDENTS/YR) a | NO. YRS T | NO. OBSERVED ACCIDENTS 1993-1997 N | PREDICTED ACCIDENTS PER YR B | Estimated Annual Accident Frequency A |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Segment 5 Walnut Grove to Tracy MP 219 to 226.6 | | | | | | | | | | | | | | | | | | | |
| 197892W | 21920 | MN | REDWOOD | CO RD 5 | WALNUT GROVE | FLASHING LIGHTS | FLASHING LIGHTS | 1000 | 21 | 13 | 49 | 2 | 1 | 2 | 0.109 | 5 | 0 | 0.061 | 0.032 |
| 193721G | 022110 | MN | REDWOOD | CO RD 75 | WALNUT GROVE | PASSIVE | PASSIVE | 40 | 21 | 13 | 49 | 1 | 2 | 2 | 0.026 | 5 | 0 | 0.019 | 0.013 |
| 193692Y | 022220 | MN | REDWOOD | TWP 160 | WALNUT GROVE | PASSIVE | PASSIVE | 40 | 21 | 13 | 49 | 1 | 2 | 2 | 0.026 | 5 | 0 | 0.019 | 0.013 |
| 193694M | 022320 | MN | REDWOOD | TWP 158 | WALNUT GROVE | PASSIVE | PASSIVE | 55 | 21 | 13 | 49 | 1 | 2 | 2 | 0.029 | 5 | 0 | 0.021 | 0.015 |
| 193696B | 022410 | MN | REDWOOD | TWP 154(county line) | TRACY | PASSIVE | PASSIVE | 55 | 21 | 13 | 49 | 1 | 2 | 2 | 0.029 | 5 | 0 | 0.021 | 0.015 |
| 193697H | 022510 | MN | REDWOOD | TWP 18 | TRACY | PASSIVE | PASSIVE | 37 | 21 | 13 | 49 | 1 | 2 | 2 | 0.025 | 5 | 0 | 0.018 | 0.013 |
| 193722N | 022650 | MN | LYON | CENTER ST | TRACY | GATES | GATES | 1450 | 21 | 13 | 49 | 5 | 1 | 4 | 0.132 | 5 | 0 | 0.069 | 0.034 |
| 193741T | 022660 | MN | LYON | 4TH ST. | TRACY | GATES | GATES | 2200 | 21 | 13 | 49 | 2 | 1 | 2 | 0.072 | 5 | 1 | 0.120 | 0.059 |
| Segment 6 Brookings to Tracy MP 226.6 to 290.0 | | | | | | | | | | | | | | | | | | | |
| 193742A | 022720 | MN | LYON | HIGHLINE RD 73 | TRACY | PASSIVE | PASSIVE | 650 | 21 | 13 | 49 | 2 | 1 | 2 | 0.131 | 5 | 0 | 0.069 | 0.049 |
| 193699W | 022800 | MN | LYON | CO RD 14 | TRACY | PASSIVE | PASSIVE | 320 | 21 | 13 | 49 | 2 | 1 | 2 | 0.101 | 5 | 2 | 0.230 | 0.164 |
| 193700N | 022830 | MN | LYON | TWP 227 | TRACY | PASSIVE | PASSIVE | 55 | 21 | 13 | 49 | 2 | 2 | 2 | 0.029 | 5 | 0 | 0.021 | 0.015 |
| 193702C | 022950 | MN | LYON | CO RD 14 | TRACY | PASSIVE | PASSIVE | 225 | 21 | 13 | 49 | 2 | 1 | 2 | 0.089 | 5 | 0 | 0.052 | 0.037 |
| 193708T | 023150 | MN | LYON | TWP 217 | GARVIN | PASSIVE | PASSIVE | 55 | 21 | 13 | 49 | 2 | 2 | 2 | 0.029 | 5 | 0 | 0.021 | 0.015 |
| 193709A | 023250 | MN | LYON | TWP 208 | GARVIN | PASSIVE | PASSIVE | 55 | 21 | 13 | 49 | 1 | 2 | 2 | 0.029 | 5 | 0 | 0.021 | 0.015 |
| 193810Y | 023350 | MN | LYON | US HWY 59 | GARVIN | FLASHING LIGHTS | FLASHING LIGHTS | 1350 | 21 | 13 | 49 | 1 | 1 | 2 | 0.102 | 5 | 0 | 0.058 | 0.031 |
| 193757P | 023390 | MN | LYON | 1ST ST | GARVIN | PASSIVE | PASSIVE | 55 | 21 | 13 | 49 | 1 | 2 | 2 | 0.029 | 5 | 0 | 0.021 | 0.015 |
| 193758W | 023450 | MN | LYON | TWP 201 | GARVIN | PASSIVE | PASSIVE | 55 | 21 | 13 | 49 | 1 | 2 | 2 | 0.029 | 5 | 0 | 0.021 | 0.015 |
| 193759D | 023550 | MN | LYON | TWP 194 | GARVIN | PASSIVE | PASSIVE | 55 | 21 | 13 | 49 | 1 | 2 | 2 | 0.029 | 5 | 0 | 0.021 | 0.015 |
| 193743G | 023660 | MN | LYON | CO RD 7 | BALATON | PASSIVE | PASSIVE | 155 | 21 | 13 | 49 | 1 | 1 | 2 | 0.077 | 5 | 0 | 0.047 | 0.034 |
| 193744N | 023760 | MN | LYON | TWP 190 | BALATON | PASSIVE | PASSIVE | 73 | 21 | 13 | 49 | 1 | 2 | 2 | 0.032 | 5 | 0 | 0.023 | 0.016 |
| 193745V | 023860 | MN | LYON | TWP 27 | BALATON | PASSIVE | PASSIVE | 5 | 21 | 13 | 49 | 1 | 2 | 2 | 0.012 | 5 | 0 | 0.009 | 0.007 |
| 193797M | 023940 | MN | LYON | 2ND ST. SW | BALATON | FLASHING LIGHTS | FLASHING LIGHTS | 1050 | 21 | 13 | 49 | 2 | 1 | 2 | 0.112 | 5 | 1 | 0.151 | 0.080 |
| 193748R | 023990 | MN | LYON | CO RD 5 | BALATON | FLASHING LIGHTS | FLASHING LIGHTS | 710 | 21 | 13 | 49 | 1 | 1 | 2 | 0.078 | 5 | 0 | 0.048 | 0.025 |
| 193751Y | 024180 | MN | LYON | TWP 14 | BALATON | PASSIVE | PASSIVE | 38 | 21 | 13 | 49 | 2 | 2 | 2 | 0.025 | 5 | 0 | 0.018 | 0.013 |
| 193752F | 024230 | MN | LYON | TWP 176 | BALATON | PASSIVE | PASSIVE | 45 | 21 | 13 | 49 | 2 | 2 | 2 | 0.027 | 5 | 0 | 0.019 | 0.014 |
| 193753M | 024330 | MN | LYON | TWP 244 | BALATON | PASSIVE | PASSIVE | 55 | 21 | 13 | 49 | 2 | 2 | 2 | 0.029 | 5 | 0 | 0.021 | 0.015 |
| 193755B | 024440 | MN | LYON | MN HWY 91 | BALATON | FLASHING LIGHTS | FLASHING LIGHTS | 495 | 21 | 13 | 49 | 2 | 1 | 2 | 0.082 | 5 | 0 | 0.049 | 0.026 |
| 193725J | 024590 | MN | LYON | TWP 15 | BALATON | PASSIVE | PASSIVE | 55 | 21 | 13 | 49 | 2 | 1 | 2 | 0.053 | 5 | 0 | 0.035 | 0.025 |
| 193726R | 024640 | MN | LYON | CO RD 13 | TYLER | PASSIVE | PASSIVE | 50 | 21 | 13 | 49 | 1 | 1 | 2 | 0.051 | 5 | 0 | 0.034 | 0.024 |
| 193730F | 024920 | MN | LYON | TWP 262 | TYLER | PASSIVE | PASSIVE | 16 | 21 | 13 | 49 | 1 | 2 | 2 | 0.018 | 5 | 0 | 0.014 | 0.010 |
| 193732U | 024980 | MN | LYON | CO RD 51 | TYLER | PASSIVE | PASSIVE | 15 | 21 | 13 | 49 | 1 | 2 | 2 | 0.018 | 5 | 0 | 0.013 | 0.010 |
| 193734H | 025180 | MN | LINCOLN | TWP 82 | TYLER | PASSIVE | PASSIVE | 55 | 21 | 13 | 49 | 1 | 2 | 2 | 0.029 | 5 | 0 | 0.021 | 0.015 |
| 193736W | 025290 | MN | LINCOLN | CO RD 115 | TYLER | PASSIVE | PASSIVE | 380 | 21 | 13 | 49 | 1 | 2 | 2 | 0.059 | 5 | 0 | 0.038 | 0.027 |
| 193798U | 025340 | MN | LINCOLN | WILLOW ST | TYLER | PASSIVE | PASSIVE | 380 | 21 | 13 | 49 | 1 | 1 | 2 | 0.108 | 5 | 1 | 0.148 | 0.106 |
| 193799B | 025350 | MN | LINCOLN | TYLER ST | TYLER | GATES | GATES | 3150 | 21 | 13 | 49 | 2 | 1 | 2 | 0.080 | 5 | 0 | 0.048 | 0.024 |
| 193800T | 025380 | MN | LINCOLN | CO RD 8 | TYLER | GATES | GATES | 1000 | 21 | 13 | 49 | 2 | 1 | 2 | 0.057 | 5 | 0 | 0.037 | 0.018 |
| 193737D | 025490 | MN | LINCOLN | TWP 90 | TYLER | PASSIVE | PASSIVE | 59 | 21 | 13 | 49 | 2 | 2 | 2 | 0.030 | 5 | 0 | 0.021 | 0.015 |
| 193740L | 025590 | MN | LINCOLN | TWP 96 | TYLER | PASSIVE | PASSIVE | 55 | 21 | 13 | 49 | 2 | 2 | 2 | 0.029 | 5 | 0 | 0.021 | 0.015 |
| 193761E | 025690 | MN | LINCOLN | CO RD 111 | TYLER | PASSIVE | PASSIVE | 95 | 21 | 13 | 49 | 2 | 2 | 2 | 0.035 | 5 | 0 | 0.025 | 0.018 |
| 193762L | 025790 | MN | LINCOLN | TWP 100 | LAKE BENTON | PASSIVE | PASSIVE | 55 | 21 | 13 | 49 | 2 | 2 | 2 | 0.029 | 5 | 0 | 0.021 | 0.015 |
| 193764A | 025900 | MN | LINCOLN | TW[ 104 | LAKE BENTON | PASSIVE | PASSIVE | 55 | 21 | 13 | 49 | 1 | 2 | 2 | 0.029 | 5 | 0 | 0.021 | 0.015 |
| 193801A | 026160 | MN | LINCOLN | CENTER ST. | LAKE BENTON | GATES | GATES | 1100 | 21 | 13 | 40 | 1 | 1 | 2 | 0.050 | 5 | 0 | 0.033 | 0.016 |
| 193802G | 026190 | MN | LINCOLN | BENTON ST. | LAKE BENTON | PASSIVE | PASSIVE | 450 | 21 | 13 | 49 | 1 | 1 | 2 | 0.115 | 5 | 1 | 0.153 | 0.110 |

Post-Construction Accident Prediction Summary
Minnesota 50 MNT
Alternative B

| FRA ID | MILEPOST | STATE | COUNTY | STREET | CITY | EXISTING DEVICE | PROPOSED DEVICE | ADT c | TRNS PER DAY t | NO. THRU TRNS/DAY DAYLIGHT d | MAX. TT SPEED (MPH) | NO. MAIN TRKS | HWY PAVED YES=1 NO=2 | NO. HWY LANES | BASIC FORMULA INITIAL (ACCIDENTS/YR) a | NO. YRS T | NO. OBSERVED ACCIDENTS 1993-1997 N | PREDICTED ACCIDENTS PER YR B | Estimated Annual Accident Frequency A |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 193768C | 026330 | MN | LINCOLN | TWP 100 | LAKE BENTON | PASSIVE | PASSIVE | 55 | 21 | 13 | 49 | 2 | 2 | 2 | 0.029 | 5 | 0 | 0.021 | 0.015 |
| 193769J | 026480 | MN | LINCOLN | TWP 7 | LAKE BENTON | PASSIVE | PASSIVE | 55 | 21 | 13 | 49 | 2 | 2 | 2 | 0.029 | 5 | 0 | 0.021 | 0.015 |
| 193770D | 026590 | MN | LINCOLN | CO RD 9 | VERDI | FLASHING LIGHTS | FLASHING LIGHTS | 450 | 21 | 13 | 49 | 2 | 1 | 2 | 0.079 | 5 | 0 | 0.048 | 0.025 |
| 193771K | 026730 | MN | LINCOLN | TWP 125 | VERDI | PASSIVE | PASSIVE | 50 | 21 | 13 | 49 | 2 | 2 | 2 | 0.028 | 5 | 0 | 0.020 | 0.014 |
| 193773Y | 026750 | MN | LINCOLN | CO RD 9 | VERDI | PASSIVE | PASSIVE | 150 | 21 | 13 | 49 | 2 | 1 | 2 | 0.076 | 5 | 0 | 0.047 | 0.033 |
| 193772S | 026780 | MN | LINCOLN | MAIN ST | VERDI | PASSIVE | PASSIVE | 23 | 21 | 13 | 49 | 2 | 2 | 2 | 0.021 | 5 | 0 | 0.016 | 0.011 |
| 193776U | 026830 | MN | LINCOLN | CO RD 2 | VERDI | PASSIVE | PASSIVE | 75 | 21 | 13 | 49 | 1 | 1 | 2 | 0.059 | 5 | 0 | 0.038 | 0.027 |
| 193780J | 026940 | MN | LINCOLN | TWP 132 | VERDI | PASSIVE | PASSIVE | 720 | 21 | 13 | 49 | 1 | 2 | 2 | 0.075 | 5 | 0 | 0.046 | 0.033 |
| 193782X | 27040 | MN | LINCOLN | TWP 133 | VERDI | PASSIVE | PASSIVE | 40 | 21 | 13 | 49 | 1 | 2 | 2 | 0.026 | 5 | 0 | 0.019 | 0.013 |
| 193783E | 027140 | MN | LINCOLN | CO RD 1 | ELKTON | PASSIVE | PASSIVE | 110 | 21 | 13 | 49 | 1 | 1 | 2 | 0.068 | 5 | 0 | 0.043 | 0.031 |
| 193784L | 027250 | MN | LINCOLN | TWP 138 | ELKTON | PASSIVE | PASSIVE | 44 | 21 | 13 | 49 | 1 | 2 | 2 | 0.027 | 5 | 0 | 0.019 | 0.014 |

Pre/Post-Construction Accident Prediction Comparison
Minnesota 50 MNT
Alternative B

| FRA ID | MILEPOST | STATE | COUNTY | STREET | CITY | EXISTING DEVICE | PROPOSED DEVICE | ADT c | NO. HWY LANES | NO. OBSERVED ACCIDENTS 1993-1997 N | Estimated Annual Accident Frequency Pre-Construction | Estimated Annual Accident Frequency Post-Construction | Category | Increase in Frequency | 1/Freq. | Trip Threshold | State Top 50 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Winona County** | | | | | | | | | | | | | | | | | |
| 19317H | 520 | MN | WINONA | MARTINA & 11th | WINONA | PASSIVE | PASSIVE | 460 | 1 | 0 | 0.020 | 0.029 | B | 0.009 | 106 | NO | NO |
| 193197K | 620 | MN | WINONA | Canton Mills | WINONA | PASSIVE | PASSIVE | 100 | 1 | 0 | 0.012 | 0.018 | B | 0.006 | 160 | NO | NO |
| 193200R | 000860 | MN | WINONA | CO RD 23 | MINNESOTA CITY | FLASHING LIGHTS | FLASHING LIGHTS | 2500 | 2 | 0 | 0.028 | 0.041 | B | 0.0133 | 75 | NO | NO |
| 193176S | 000930 | MN | WINONA | CO RD 6 | STOCKTON | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.009 | 0.015 | B | 0.0059 | 169 | NO | NO |
| 193201X | 001110 | MN | WINONA | MAIN STREET | STOCKTON | FLASHING LIGHTS | FLASHING LIGHTS | 1075 | 2 | 0 | 0.025 | 0.033 | B | 0.0081 | 123 | NO | NO |
| 193206G | 001680 | MN | WINONA | Dutchman/TWP 1 | LEWISTON | PASSIVE | PASSIVE | 100 | 2 | 0 | 0.009 | 0.013 | B | 0.0036 | 277 | NO | NO |
| 193207N | 001780 | MN | WINONA | CO RD 25 | LEWISTON | FLASHING LIGHTS | FLASHING LIGHTS | 1850 | 2 | 0 | 0.025 | 0.034 | B | 0.0082 | 122 | NO | NO |
| 193209C | 001840 | MN | WINONA | FREMONT STREET | LEWISTON | GATES | GATES | 1700 | 2 | 0 | 0.014 | 0.021 | B | 0.0070 | 143 | NO | NO |
| 193210W | 1900 | MN | WINONA | Golf Crossing | UTICA | PASSIVE | PASSIVE | 55 | 1 | 0 | 0.010 | 0.015 | B | 0.005 | 199 | NO | NO |
| 193211D | 002090 | MN | WINONA | TWP 13 | UTICA | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.010 | 0.015 | B | 0.0050 | 199 | NO | NO |
| 193247L | 002190 | MN | WINONA | CO RD 18 | UTICA | PASSIVE | PASSIVE | 200 | 2 | 0 | 0.026 | 0.036 | B | 0.0100 | 100 | NO | NO |
| 193248T | 002270 | MN | WINONA | CENTER ST | UTICA | FLASHING LIGHTS | FLASHING LIGHTS | 950 | 2 | 2 | 0.100 | 0.114 | B | 0.0144 | 69 | NO | NO |
| 193249A | 2300 | MN | WINONA | 2nd. AVE | UTICA | PASSIVE | PASSIVE | 39 | 1 | 0 | 0.009 | 0.013 | B | 0.004 | 238 | NO | NO |
| 193250U | 002400 | MN | WINONA | TWP 5 | UTICA | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.010 | 0.015 | B | 0.0047 | 214 | NO | NO |
| 193251B | 2540 | MN | WINONA | CO RD 37 | UTICA | PASSIVE | PASSIVE | 180 | 2 | 0 | 0.015 | 0.022 | B | 0.0066 | 152 | NO | NO |
| 193253P | 002650 | MN | WINONA | TWP 13 | ST CHARLES | PASSIVE | PASSIVE | 100 | 2 | 0 | 0.010 | 0.015 | B | 0.0047 | 214 | NO | NO |
| 193193H | 2780 | MN | WINONA | TERRY DRIVE | ST CHARLES | PASSIVE | PASSIVE | 500 | 2 | 0 | 0.021 | 0.030 | B | 0.009 | 113 | NO | NO |
| 193254W | 002820 | MN | WINONA | RICHLAND AVE | ST CHARLES | PASSIVE | PASSIVE | 380 | 2 | 0 | 0.032 | 0.043 | B | 0.0113 | 88 | NO | NO |
| 193255D | 002840 | MN | WINONA | WHITEWATER | ST CHARLES | GATES | GATES | 4050 | 4 | 0 | 0.026 | 0.031 | B | 0.0053 | 190 | NO | NO |
| 193256K | 002850 | MN | WINONA | ST. CHARLES AVE | ST CHARLES | PASSIVE | PASSIVE | 780 | 2 | 0 | 0.039 | 0.052 | B | 0.0127 | 79 | NO | NO |
| 193257S | 002870 | MN | WINONA | W. 11TH STREET | ST CHARLES | PASSIVE | PASSIVE | 480 | 2 | 0 | 0.034 | 0.046 | B | 0.0118 | 85 | NO | NO |
| 193194P | 2900 | MN | WINONA | CO RD 126/WEST END | ST CHARLES | PASSIVE | PASSIVE | 380 | 2 | 0 | 0.031 | 0.043 | B | 0.0123 | 81 | NO | NO |
| | | | | | | | **Total** | | | **2** | **0.514** | **0.692** | | **0.1787** | **6** | **Number of crossings** | |
| | | | | | | | **Minimum** | | | | **0.009** | **0.013** | | **0.0036** | **277** | **In the County =** | **22** |
| | | | | | | | **Maximum** | | | | **0.100** | **0.114** | | **0.0144** | **69** | | |
| **Olmsted County** | | | | | | | | | | | | | | | | | |
| 193258Y | 003010 | MN | OLMSTED | TWP 338 | ST CHARLES | PASSIVE | PASSIVE | 25 | 2 | 0 | 0.008 | 0.011 | B | 0.0036 | 274 | NO | NO |
| 193259F | 003040 | MN | OLMSTED | 19TH AVE/TWP 591 | DOVER | PASSIVE | PASSIVE | 25 | 2 | 0 | 0.008 | 0.011 | B | 0.0036 | 274 | NO | NO |
| 193195W | 003090 | MN | OLMSTED | TWP 667 | DOVER | PASSIVE | PASSIVE | 25 | 1 | 0 | 0.007 | 0.011 | B | 0.0039 | 255 | NO | NO |
| 193260A | 003220 | MN | OLMSTED | CHATFIELD ST | DOVER | FLASHING LIGHTS | FLASHING LIGHTS | 1300 | 2 | 1 | 0.065 | 0.076 | B | 0.0106 | 94 | NO | NO |
| 193261G | 003420 | MN | OLMSTED | CSAH 32 | DOVER | PASSIVE | PASSIVE | 200 | 2 | 0 | 0.016 | 0.023 | B | 0.0068 | 147 | NO | NO |
| 193262N | 003530 | MN | OLMSTED | 140TH AVE/TWP 90 | EYOTA | PASSIVE | PASSIVE | 50 | 2 | 0 | 0.010 | 0.014 | B | 0.0045 | 220 | NO | NO |
| 193263V | 003680 | MN | OLMSTED | CENTER AVE/CSAH 7 | EYOTA | GATES | GATES | 2300 | 4 | 0 | 0.025 | 0.030 | B | 0.0052 | 191 | NO | NO |
| | | | | | | | **Total** | | | **1** | **0.139** | **0.178** | | **0.0384** | **26** | **Number of crossings** | |
| | | | | | | | **Minimum** | | | | **0.007** | **0.011** | | **0.0036** | **274** | **In the County =** | **7** |
| | | | | | | | **Maximum** | | | | **0.065** | **0.076** | | **0.0106** | **94** | | |
| **Dodge County** | | | | | | | | | | | | | | | | | |
| 193289X | 006130 | MN | DODGE | CO RD 15 | BYRON | PASSIVE | PASSIVE | 670 | 2 | 1 | 0.096 | 0.118 | B | 0.0224 | 45 | NO | NO |
| 193290S | 006230 | MN | DODGE | TWP 30 | KASSON | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.010 | 0.015 | B | 0.0047 | 214 | NO | NO |
| 193291Y | 006350 | MN | DODGE | MANTORVILLE AVE. | KASSON | GATES | GATES | 2750 | 2 | 0 | 0.017 | 0.023 | B | 0.0065 | 154 | NO | NO |
| 193292F | 006360 | MN | DODGE | SECOND AVE S.W. | KASSON | PASSIVE | PASSIVE | 610 | 2 | 0 | 0.036 | 0.049 | B | 0.0122 | 82 | NO | NO |
| 193293M | 006370 | MN | DODGE | THIRD AVE SW | KASSON | PASSIVE | PASSIVE | 360 | 2 | 0 | 0.031 | 0.042 | B | 0.0112 | 89 | NO | NO |
| 193294U | 006430 | MN | DODGE | EIGHTH AVE. S.W. | KASSON | PASSIVE | PASSIVE | 860 | 2 | 0 | 0.040 | 0.053 | B | 0.0129 | 78 | NO | NO |
| 196630L | 006520 | MN | DODGE | US HWY 14 | KASSON | FLASHING LIGHTS | FLASHING LIGHTS | 7900 | 2 | 0 | 0.041 | 0.054 | B | 0.0126 | 79 | NO | NO |
| 193296H | 006530 | MN | DODGE | CO RD 34/ TWP 134 | KASSON | PASSIVE | PASSIVE | 60 | 2 | 0 | 0.011 | 0.015 | B | 0.0048 | 208 | NO | NO |
| 193357W | 006630 | MN | DODGE | CO RD 9 | KASSON | PASSIVE | PASSIVE | 540 | 2 | 0 | 0.035 | 0.047 | B | 0.0120 | 83 | NO | NO |
| 193358D | 006740 | MN | DODGE | TWP 139 | DODGE CENTER | PASSIVE | PASSIVE | 45 | 2 | 0 | 0.010 | 0.014 | B | 0.0044 | 228 | NO | NO |
| 193359K | 006840 | MN | DODGE | AIRPORT DRIVE S. | DODGE CENTER | PASSIVE | PASSIVE | 135 | 2 | 0 | 0.023 | 0.033 | B | 0.0092 | 109 | NO | NO |
| 193297P | 006890 | MN | DODGE | 4TH AVE. S.E. | DODGE CENTER | PASSIVE | PASSIVE | 380 | 2 | 2 | 0.103 | 0.129 | A | 0.0257 | 39 | YES | YES |

Pre/Post-Construction Accident Prediction Comparison
Minnesota 50 MNT
Alternative B

| FRA ID | MILEPOST | STATE | COUNTY | STREET | CITY | EXISTING DEVICE | PROPOSED DEVICE | ADT c | NO. HWY LANES | NO. OBSERVED ACCIDENTS 1993-1997 N | Estimated Annual Accident Frequency Pre-Construction | Estimated Annual Accident Frequency Post-Construction | Category | Increase in Frequency | 1/Freq. | Trip Threshold | State Top 50 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 193360E | 006900 | MN | DODGE | SECOND AVE. S.E. | DODGE CENTER | PASSIVE | PASSIVE | 380 | 2 | 0 | 0.029 | 0.043 | B | 0.0141 | 71 | NO | NO |
| 193361L | 006910 | MN | DODGE | FIRST AVE. S.E. | DODGE CENTER | PASSIVE | PASSIVE | 380 | 2 | 0 | 0.029 | 0.043 | B | 0.0141 | 71 | NO | NO |
| 193298W | 006920 | MN | DODGE | CENTRAL AVE | DODGE CENTER | PASSIVE | PASSIVE | 380 | 2 | 1 | 0.081 | 0.106 | B | 0.0254 | 39 | NO | NO |
| 193362T | 006930 | MN | DODGE | FIRST AVE S.W. | DODGE CENTER | PASSIVE | PASSIVE | 380 | 2 | 0 | 0.032 | 0.043 | B | 0.0113 | 88 | NO | NO |
| 193299D | 006940 | MN | DODGE | 2ND AVE. S.W. | DODGE CENTER | PASSIVE | PASSIVE | 380 | 2 | 0 | 0.032 | 0.043 | B | 0.0113 | 88 | NO | NO |
| 193363A | 006950 | MN | DODGE | THIRD AVE N.W. | DODGE CENTER | FLASHING LIGHTS | FLASHING LIGHTS | 3300 | 2 | 1 | 0.079 | 0.092 | B | 0.0124 | 81 | NO | NO |
| 193300V | 007000 | MN | DODGE | CO RD H | DODGE CENTER | PASSIVE | PASSIVE | 500 | 2 | 0 | 0.034 | 0.046 | B | 0.0119 | 84 | NO | NO |
| 193364G | 007140 | MN | DODGE | TWP 145 | DODGE CENTER | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.010 | 0.015 | B | 0.0047 | 214 | NO | NO |
| 193303R | 7190 | MN | DODGE | Twp 153 | DODGE CENTER | PASSIVE | PASSIVE | 10 | 2 | 0 | 0.006 | 0.008 | B | 0.0027 | 370 | NO | NO |
| 193365N | 007270 | MN | DODGE | CO RD 5 | CLAREMONT | PASSIVE | PASSIVE | 310 | 2 | 0 | 0.030 | 0.041 | B | 0.0109 | 92 | NO | NO |
| 193366V | 007320 | MN | DODGE | TWP 180 | CLAREMONT | PASSIVE | PASSIVE | 49 | 2 | 0 | 0.010 | 0.014 | B | 0.0045 | 222 | NO | NO |
| 193367C | 7370 | MN | DODGE | TWP 154 | CLAREMONT | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.010 | 0.015 | B | 0.0047 | 214 | NO | NO |
| 193368J | 007480 | MN | DODGE | TWP 157 | CLAREMONT | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.010 | 0.015 | B | 0.0047 | 214 | NO | NO |
| 193369R | 007580 | MN | DODGE | CO RD 3 | CLAREMONT | PASSIVE | PASSIVE | 570 | 2 | 0 | 0.036 | 0.048 | B | 0.0121 | 82 | NO | NO |
| 193370K | 007640 | MN | DODGE | ELM | CLAREMONT | PASSIVE | PASSIVE | 380 | 1 | 0 | 0.019 | 0.027 | B | 0.0080 | 125 | NO | NO |
| 193371S | 007680 | MN | DODGE | CO RD 1 | CLAREMONT | PASSIVE | PASSIVE | 550 | 2 | 1 | 0.092 | 0.114 | B | 0.0217 | 46 | NO | NO |
| 193307T | 007780 | MN | DODGE | TWP 171 | CLAREMONT | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.010 | 0.015 | B | 0.0047 | 214 | NO | NO |
| | | | | | | | Total | | | 6 | 1.002 | 1.319 | | 0.3177 | 3 | Number of crossings | |
| | | | | | | | Minimum | | | | 0.006 | 0.008 | | 0.0027 | 370 | In the County = | 29 |
| | | | | | | | Maximum | | | | 0.103 | 0.129 | | 0.0257 | 39 | | |
| **Steele County** | | | | | | | | | | | | | | | | | |
| 193372Y | 007980 | MN | STEELE | CO RD 16/SE 84th Ave | CLAREMONT | PASSIVE | PASSIVE | 250 | 2 | 0 | 0.025 | 0.035 | B | 0.0097 | 103 | NO | NO |
| 193373F | 008090 | MN | STEELE | SE 74TH AVE | CLAREMONT | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.010 | 0.015 | B | 0.0047 | 214 | NO | NO |
| 193311H | 8130 | MN | STEELE | SE 28th AVE | CLAREMONT | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.010 | 0.015 | B | 0.005 | 214 | NO | NO |
| 193374M | 008180 | MN | STEELE | SE 64TH ST | OWATONNA | PASSIVE | PASSIVE | 80 | 2 | 0 | 0.012 | 0.017 | B | 0.0052 | 191 | NO | NO |
| 193375U | 008290 | MN | STEELE | US HWY 14 | OWATONNA | FLASHING LIGHTS | FLASHING LIGHTS | 4700 | 4 | 1 | 0.102 | 0.116 | B | 0.0138 | 73 | NO | NO |
| 193376B | 008390 | MN | STEELE | SE 44th Ave/ Co Rd 59 | OWATONNA | PASSIVE | PASSIVE | 365 | 2 | 0 | 0.031 | 0.043 | B | 0.0113 | 89 | NO | NO |
| 193312P | 008500 | MN | STEELE | SE 34TH AVE | OWATONNA | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.010 | 0.015 | B | 0.0047 | 214 | NO | NO |
| 193377H | 008540 | MN | STEELE | CO RD 71 | OWATONNA | PASSIVE | PASSIVE | 155 | 2 | 0 | 0.024 | 0.034 | B | 0.0095 | 105 | NO | NO |
| 193382E | 8740 | MN | STEELE | RICE LAKE STREET | OWATONNA | FLASHING LIGHTS | FLASHING LIGHTS | 1500 | 2 | 0 | 0.026 | 0.032 | B | 0.0061 | 165 | NO | NO |
| 380294J | 8750 | MN | STEELE | E. Vine St | OWATONNA | PASSIVE | PASSIVE | 200 | 2 | 0 | 0.026 | 0.036 | B | 0.0100 | 100 | NO | NO |
| 187034M | 8760 | MN | STEELE | Chestnut St | OWATONNA | PASSIVE | PASSIVE | 200 | 1 | 0 | 0.016 | 0.023 | B | 0.0068 | 147 | NO | NO |
| 187033F | 008776 | MN | STEELE | ROSE ST | OWATONNA | GATES | GATES | 3515 | 2 | 0 | 0.018 | 0.022 | B | 0.0041 | 243 | NO | NO |
| 187032Y | 8780 | MN | STEELE | Pine Ave | OWATONNA | GATES | GATES | 2000 | 2 | 0 | 0.015 | 0.019 | B | 0.0037 | 270 | NO | NO |
| 193383L | 8830 | MN | STEELE | ELM AVE | OWATONNA | FLASHING LIGHTS | FLASHING LIGHTS | 2515 | 4 | 0 | 0.055 | 0.061 | B | 0.0055 | 181 | NO | NO |
| 193384T | 008840 | MN | STEELE | CEDAR AVE | OWATONNA | FLASHING LIGHTS | FLASHING LIGHTS | 6800 | 4 | 0 | 0.061 | 0.066 | B | 0.0054 | 187 | NO | NO |
| 193388V | 008890 | MN | STEELE | STATE AVE | OWATONNA | FLASHING LIGHTS | FLASHING LIGHTS | 5600 | 2 | 0 | 0.039 | 0.045 | B | 0.0054 | 187 | NO | NO |
| 193390W | 008950 | MN | STEELE | PARK DRIVE | OWATONNA | FLASHING LIGHTS | FLASHING LIGHTS | 2000 | 2 | 0 | 0.012 | 0.014 | B | 0.0024 | 418 | NO | NO |
| 193391D | 008970 | MN | STEELE | 24TH AVE/ CO RD 75 | OWATONNA | FLASHING LIGHTS | FLASHING LIGHTS | 2700 | 2 | 1 | 0.079 | 0.088 | B | 0.0089 | 113 | NO | NO |
| 193392K | 009030 | MN | STEELE | 32ND AVE/TWP 229 | OWATONNA | PASSIVE | PASSIVE | 2000 | 2 | 1 | 0.050 | 0.058 | B | 0.0074 | 134 | NO | NO |
| 193394Y | 9250 | MN | STEELE | 52ND AVE SW | OWATONNA | PASSIVE | PASSIVE | 145 | 4 | 0 | 0.031 | 0.040 | B | 0.0088 | 114 | NO | NO |
| 193395F | 9350 | MN | STEELE | NW 62ND AVE | OWATONNA | PASSIVE | PASSIVE | 100 | 4 | 0 | 0.023 | 0.030 | B | 0.0070 | 142 | NO | NO |
| 193397U | 009640 | MN | STEELE | SW 92ND AVE | MERIDEN | PASSIVE | PASSIVE | 555 | 2 | 1 | 0.096 | 0.114 | B | 0.0176 | 57 | NO | NO |
| | | | | | | | Total | | | 4 | 0.773 | 0.936 | | 0.1626 | 6 | Number of crossings | |
| | | | | | | | Minimum | | | | 0.010 | 0.014 | | 0.0024 | 418 | In the County = | 22 |
| | | | | | | | Maximum | | | | 0.102 | 0.116 | | 0.0176 | 57 | | |
| **Waseca County** | | | | | | | | | | | | | | | | | |
| 193398B | 009780 | MN | WASECA | 178TH ST/ TWP 128 | MERIDEN | PASSIVE | PASSIVE | 55 | 2 | 2 | 0.086 | 0.096 | B | 0.0100 | 100 | NO | NO |

Pre/Post-Construction Accident Prediction Comparison
Minnesota 50 MNT
Alternative B

| FRA ID | MILEPOST | STATE | COUNTY | STREET | CITY | EXISTING DEVICE | PROPOSED DEVICE | ADT c | NO. HWY LANES | NO. OBSERVED ACCIDENTS 1993-1997 N | Estimated Annual Accident Frequency Pre-Construction | Estimated Annual Accident Frequency Post-Construction | Category | Increase in Frequency | 1/Freq. | Trip Threshold | State Top 50 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 193399H | 009930 | MN | WASECA | GOOSE LAKE XING | WASECA | PASSIVE | PASSIVE | 10 | 1 | 0 | 0.006 | 0.008 | B | 0.0022 | 448 | NO | NO |
| 193400A | 010090 | MN | WASECA | 145TH ST/CO RD 5 | WASECA | PASSIVE | PASSIVE | 500 | 2 | 0 | 0.037 | 0.046 | B | 0.0096 | 104 | NO | NO |
| 193403V | 010180 | MN | WASECA | 8TH STREET S.E. | WASECA | FLASHING LIGHTS | FLASHING LIGHTS | 2800 | 2 | 0 | 0.030 | 0.034 | B | 0.0047 | 212 | NO | NO |
| 193404C | 010200 | MN | WASECA | 7TH STREET SE | WASECA | PASSIVE | PASSIVE | 200 | 2 | 1 | 0.079 | 0.094 | B | 0.0147 | 68 | NO | NO |
| 193405J | 010220 | MN | WASECA | 5TH ST. SE | WASECA | PASSIVE | PASSIVE | 2700 | 2 | 0 | 0.056 | 0.067 | B | 0.0115 | 87 | NO | NO |
| 193406R | 010250 | MN | WASECA | STATE ST. | WASECA | FLASHING LIGHTS | FLASHING LIGHTS | 8900 | 2 | 0 | 0.043 | 0.048 | B | 0.0055 | 182 | NO | NO |
| 193314D | 010260 | MN | WASECA | 2ND ST. S.W. | WASECA | FLASHING LIGHTS | FLASHING LIGHTS | 1050 | 2 | 0 | 0.021 | 0.029 | B | 0.0073 | 137 | NO | NO |
| 193315K | 010270 | MN | WASECA | 4TH ST. S.W. | WASECA | GATES | GATES | 2700 | 2 | 0 | 0.020 | 0.026 | B | 0.0060 | 166 | NO | NO |
| 193317Y | 010340 | MN | WASECA | CO RD 57 | WASECA | FLASHING LIGHTS | FLASHING LIGHTS | 650 | 2 | 0 | 0.018 | 0.028 | B | 0.0103 | 97 | NO | NO |
| 193318F | 010380 | MN | WASECA | BROWN ST/CO RD 2 | WASECA | FLASHING LIGHTS | FLASHING LIGHTS | 2600 | 2 | 1 | 0.072 | 0.096 | B | 0.0241 | 41 | NO | NO |
| 193320G | 010460 | MN | WASECA | AIRPORT/CO RD 27 | WASECA | PASSIVE | PASSIVE | 810 | 2 | 0 | 0.033 | 0.052 | B | 0.0186 | 54 | NO | NO |
| 193322V | 010620 | MN | WASECA | CO RD 52/ 95TH ST | WASECA | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.008 | 0.015 | B | 0.0065 | 153 | NO | NO |
| 193324J | 010730 | MN | WASECA | 85TH ST/ TWP 161 | WASECA | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.009 | 0.015 | B | 0.0056 | 180 | NO | NO |
| 193326X | 010850 | MN | WASECA | CO RD 17 | JANESVILLE | PASSIVE | PASSIVE | 190 | 2 | 0 | 0.014 | 0.022 | B | 0.0080 | 125 | NO | NO |
| 193328L | 010960 | MN | WASECA | 60TH ST | JANESVILLE | PASSIVE | PASSIVE | 10 | 2 | 0 | 0.005 | 0.008 | B | 0.0032 | 311 | NO | NO |
| 193329T | 11020 | MN | WASECA | Twp 92 | JANESVILLE | PASSIVE | PASSIVE | 20 | 2 | 0 | 0.011 | 0.018 | B | 0.0067 | 150 | NO | NO |
| 193341A | 011090 | MN | WASECA | CO RD 33 & 36 | JANESVILLE | PASSIVE | PASSIVE | 110 | 2 | 0 | 0.012 | 0.019 | B | 0.0069 | 146 | NO | NO |
| 193342G | 11190 | MN | WASECA | COUNTY ROAD 53 | JANESVILLE | PASSIVE | PASSIVE | 100 | 2 | 0 | 0.011 | 0.018 | B | 0.007 | 150 | NO | NO |
| 193344V | 011260 | MN | WASECA | TEAL ST | JANESVILLE | PASSIVE | PASSIVE | 1100 | 2 | 0 | 0.036 | 0.056 | B | 0.0194 | 52 | NO | NO |
| 193346J | 011280 | MN | WASECA | MAIN STREET | JANESVILLE | GATES | GATES | 1900 | 2 | 0 | 0.018 | 0.024 | B | 0.0057 | 175 | NO | NO |
| 193348X | 011300 | MN | WASECA | CRAIG ST | JANESVILLE | PASSIVE | PASSIVE | 380 | 2 | 0 | 0.027 | 0.043 | B | 0.0163 | 61 | NO | NO |
| 193349E | 011310 | MN | WASECA | SKOOKUM ST | JANESVILLE | PASSIVE | PASSIVE | 380 | 2 | 0 | 0.016 | 0.027 | B | 0.0113 | 88 | NO | NO |
| 193354B | 011510 | MN | WASECA | CO RD 60 | JANESVILLE | PASSIVE | PASSIVE | 275 | 2 | 1 | 0.077 | 0.100 | B | 0.0232 | 43 | NO | NO |
| 193356P | 011630 | MN | WASECA | CO RD 37 | JANESVILLE | PASSIVE | PASSIVE | 460 | 2 | 1 | 0.088 | 0.114 | B | 0.0264 | 38 | NO | NO |
| | | | | | | | Total | | | 6 | 0.8343 | 1.1049 | | 0.2706 | 4 | Number of crossings | |
| | | | | | | | Minimum | | | | 0.0051 | 0.0083 | | 0.0022 | 448 | in the County = | 25 |
| | | | | | | | Maximum | | | | 0.088 | 0.114 | | 0.0264 | 38 | | |
| **Blue Earth County** | | | | | | | | | | | | | | | | | |
| 193407X | 011660 | MN | BLUE EARTH | CO RD 184 | JANESVILLE | PASSIVE | PASSIVE | 90 | 2 | 0 | 0.015 | 0.024 | B | 0.0085 | 118 | NO | NO |
| 193410F | 11750 | MN | BLUE EARTH | Twp 313 | JANESVILLE | PASSIVE | PASSIVE | 10 | 2 | 0 | 0.011 | 0.018 | B | 0.0067 | 150 | NO | NO |
| 193408E | 011870 | MN | BLUE EARTH | CO RD 185 | EAGLE LAKE | PASSIVE | PASSIVE | 75 | 2 | 0 | 0.011 | 0.017 | B | 0.0064 | 157 | NO | NO |
| 193411M | 011980 | MN | BLUE EARTH | TWP 325 | EAGLE LAKE | PASSIVE | PASSIVE | 73 | 2 | 0 | 0.010 | 0.016 | B | 0.0061 | 165 | NO | NO |
| 193414H | 012080 | MN | BLUE EARTH | TWP 332 | EAGLE LAKE | PASSIVE | PASSIVE | 39 | 2 | 0 | 0.014 | 0.022 | B | 0.0081 | 124 | NO | NO |
| 193509R | 14720 | MN | BLUE EARTH | Twp 461 | MANKATO | PASSIVE | PASSIVE | 100 | 1 | 0 | 0.010 | 0.018 | B | 0.008 | 128 | NO | NO |
| 193480V | 14890 | MN | BLUE EARTH | JUDSON FORD RD | MANKATO | PASSIVE | PASSIVE | 52 | 2 | 0 | 0.009 | 0.015 | B | 0.0055 | 183 | NO | NO |
| 193481C | 14980 | MN | BLUE EARTH | CSAH 42 | MANKATO | PASSIVE | PASSIVE | 970 | 2 | 0 | 0.038 | 0.054 | B | 0.0159 | 63 | NO | NO |
| 193482J | 14990 | MN | BLUE EARTH | PARK ST/ TWP 245 | MANKATO | PASSIVE | PASSIVE | 60 | 2 | 0 | 0.017 | 0.026 | B | 0.0091 | 110 | NO | NO |
| 193483R | 15020 | MN | BLUE EARTH | PRAIRIE ST/ TWP 249 | MANKATO | PASSIVE | PASSIVE | 55 | 1 | 0 | 0.009 | 0.015 | B | 0.0056 | 180 | NO | NO |
| 193484X | 15630 | MN | BLUE EARTH | CSAH 6 | NEW ULM | PASSIVE | PASSIVE | 150 | 2 | 0 | 0.023 | 0.034 | B | 0.0115 | 87 | NO | NO |
| 193485E | 15660 | MN | BLUE EARTH | TWP 236 | NEW ULM | PASSIVE | PASSIVE | 80 | 2 | 0 | 0.018 | 0.028 | B | 0.0098 | 103 | NO | NO |
| 193487T | 15810 | MN | BLUE EARTH | CSAH 45 | NEW ULM | FLASHING LIGHTS | FLASHING LIGHTS | 770 | 2 | 0 | 0.019 | 0.026 | B | 0.0068 | 148 | NO | NO |
| | | | | | | | Total | | | 0 | 0.205 | 0.313 | | 0.1075 | 9 | Number of crossings | |
| | | | | | | | Minimum | | | | 0.009 | 0.015 | | 0.0055 | 183 | in the County = | 13 |
| | | | | | | | Maximum | | | | 0.038 | 0.054 | | 0.0159 | 63 | | |
| **Brown County** | | | | | | | | | | | | | | | | | |
| 193571H | 16060 | MN | BROWN | TWP 97 | NEW ULM | PASSIVE | PASSIVE | 100 | 2 | 0 | 0.010 | 0.018 | B | 0.008 | 128 | NO | NO |
| 193522E | 16270 | MN | BROWN | SHAG RD/ TWP 96 | NEW ULM | PASSIVE | PASSIVE | 115 | 2 | 0 | 0.011 | 0.019 | B | 0.008 | 123 | NO | NO |
| 192523L | 16310 | MN | BROWN | Tower Rd. | NEW ULM | PASSIVE | PASSIVE | 50 | 2 | 1 | 0.054 | 0.072 | B | 0.018 | 55 | NO | NO |

Pre/Post-Construction Accident Prediction Comparison
Minnesota 50 MNT
Alternative B

| FRA ID | MILEPOST | STATE | COUNTY | STREET | CITY | EXISTING DEVICE | PROPOSED DEVICE | ADT c | NO. HWY LANES | NO. OBSERVED ACCIDENTS 1993-1997 N | Estimated Annual Accident Frequency Pre-Construction | Estimated Annual Accident Frequency Post-Construction | Category | Increase in Frequency | 1/Freq. | Trip Threshold | State Top 50 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 193488A | 16410 | MN | BROWN | 20TH SOUTH ST. | NEW ULM | FLASHING LIGHTS | FLASHING LIGHTS | 4500 | 4 | 0 | 0.044 | 0.059 | B | 0.0152 | 66 | NO | NO |
| 196260K | 16440 | MN | BROWN | SE 16th St | NEW ULM | PASSIVE | PASSIVE | 630 | 2 | 0 | 0.019 | 0.032 | B | 0.013 | 78 | NO | NO |
| 196261S | 16460 | MN | BROWN | S 12th St. | NEW ULM | GATES | GATES | 800 | 2 | 0 | 0.011 | 0.017 | B | 0.0060 | 167 | NO | NO |
| 193491H | 016490 | MN | BROWN | 7TH SOUTH ST. | NEW ULM | PASSIVE | PASSIVE | 550 | 2 | 0 | 0.031 | 0.049 | B | 0.0179 | 56 | NO | NO |
| 193492P | 16520 | MN | BROWN | 3RD SOUTH ST. | NEW ULM | FLASHING LIGHTS | FLASHING LIGHTS | 600 | 2 | 1 | 0.091 | 0.118 | B | 0.0269 | 37 | NO | NO |
| 193493W | 016540 | MN | BROWN | 1ST SOUTH ST. | NEW ULM | FLASHING LIGHTS | FLASHING LIGHTS | 1400 | 2 | 0 | 0.023 | 0.035 | B | 0.0121 | 82 | NO | NO |
| 193494D | 016550 | MN | BROWN | CENTER ST | NEW ULM | PASSIVE | PASSIVE | 1100 | 2 | 2 | 0.154 | 0.205 | A | 0.0509 | 20 | YES | YES |
| 193525A | 16560 | MN | BROWN | N FIRST STREET | NEW ULM | PASSIVE | PASSIVE | 630 | 2 | 1 | 0.085 | 0.117 | B | 0.0321 | 31 | NO | NO |
| 193537U | 16670 | MN | BROWN | 3RD NORTH ST. | NEW ULM | FLASHING LIGHTS | FLASHING LIGHTS | 1750 | 2 | 1 | 0.066 | 0.081 | B | 0.0146 | 69 | NO | NO |
| 193536M | 16680 | MN | BROWN | MINNESOTA ST&17TH | NEW ULM | FLASHING LIGHTS | FLASHING LIGHTS | 970 | 2 | 0 | 0.021 | 0.028 | B | 0.0072 | 139 | NO | NO |
| 911203V | 16720 | MN | BROWN | N. 20th St. | NEW ULM | FLASHING LIGHTS | FLASHING LIGHTS | 3000 | 2 | 0 | 0.031 | 0.040 | B | 0.0091 | 110 | NO | NO |
| 193560N | 16800 | MN | BROWN | BOUNDARY ST/N 23RD | NEW ULM | PASSIVE | PASSIVE | 630 | 2 | 1 | 0.066 | 0.086 | B | 0.0196 | 51 | NO | NO |
| 193572H | 016950 | MN | BROWN | CO RD 12 | NEW ULM | PASSIVE | PASSIVE | 75 | 2 | 0 | 0.010 | 0.015 | B | 0.0057 | 175 | NO | NO |
| 193573P | 017050 | MN | BROWN | TWP 128 | NEW ULM | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.009 | 0.015 | B | 0.0056 | 180 | NO | NO |
| 193579F | 017150 | MN | BROWN | TWP 245 | ESSIG | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.009 | 0.015 | B | 0.0056 | 180 | NO | NO |
| 193574W | 017250 | MN | BROWN | TWP 238 | ESSIG | PASSIVE | PASSIVE | 40 | 2 | 0 | 0.008 | 0.013 | B | 0.0050 | 198 | NO | NO |
| 193546T | 017310 | MN | BROWN | TWP 129 | ESSIG | PASSIVE | PASSIVE | 80 | 2 | 0 | 0.011 | 0.017 | B | 0.0062 | 160 | NO | NO |
| 193575D | 017360 | MN | BROWN | CO RD 11/CENTER ST | ESSIG | PASSIVE | PASSIVE | 790 | 2 | 0 | 0.029 | 0.042 | B | 0.0135 | 74 | NO | NO |
| 193547A | 017370 | MN | BROWN | Essig W St/ TWP 131 | ESSIG | PASSIVE | PASSIVE | 780 | 2 | 0 | 0.036 | 0.052 | B | 0.0154 | 65 | NO | NO |
| 193548G | 017510 | MN | BROWN | TWP 141 | ESSIG | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.009 | 0.015 | B | 0.0056 | 180 | NO | NO |
| 193577S | 17670 | MN | BROWN | CO RD 10 | SLEEPY EYE | PASSIVE | PASSIVE | 140 | 2 | 0 | 0.023 | 0.034 | B | 0.0115 | 87 | NO | NO |
| 193578Y | 017780 | MN | BROWN | TWP 225 | ESSIG | PASSIVE | PASSIVE | 116 | 2 | 1 | 0.050 | 0.063 | B | 0.0125 | 80 | NO | NO |
| 193558M | 017970 | MN | BROWN | 1ST AVE. | SLEEPY EYE | FLASHING LIGHTS | FLASHING LIGHTS | 3400 | 2 | 0 | 0.043 | 0.053 | B | 0.0101 | 99 | NO | NO |
| 193557F | 017980 | MN | BROWN | 2ND AVE | SLEEPY EYE | FLASHING LIGHTS | FLASHING LIGHTS | 3100 | 2 | 0 | 0.024 | 0.032 | B | 0.0079 | 126 | NO | NO |
| 193584C | 017990 | MN | BROWN | 4TH AVE SE/ CSAH | SLEEPY EYE | PASSIVE | PASSIVE | 1200 | 2 | 0 | 0.034 | 0.053 | B | 0.0188 | 53 | NO | NO |
| 193553D | 018040 | MN | BROWN | 9TH AVE SE | SLEEPY EYE | PASSIVE | PASSIVE | 850 | 2 | 1 | 0.083 | 0.115 | B | 0.0317 | 32 | NO | NO |
| 193554K | 018090 | MN | BROWN | Golf Course/ TWP 218 | SLEEPY EYE | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.008 | 0.015 | B | 0.0065 | 153 | NO | NO |
| 193588E | 018280 | MN | BROWN | TWP 138 | SLEEPY EYE | PASSIVE | PASSIVE | 40 | 2 | 0 | 0.008 | 0.013 | B | 0.0050 | 198 | NO | NO |
| 193589L | 018380 | MN | BROWN | CO RD 8 | SLEEPY EYE | PASSIVE | PASSIVE | 300 | 2 | 2 | 0.144 | 0.183 | A | 0.0385 | 26 | YES | YES |
| 193590F | 018600 | MN | BROWN | CO RD 7 | COBDEN | PASSIVE | PASSIVE | 130 | 2 | 0 | 0.021 | 0.032 | B | 0.0110 | 91 | NO | NO |
| 193591M | 018610 | MN | BROWN | CENTER ST | COBDEN | PASSIVE | PASSIVE | 380 | 2 | 0 | 0.018 | 0.027 | B | 0.0096 | 104 | NO | NO |
| 193592U | 018700 | MN | BROWN | TWP 3 | COBDEN | PASSIVE | PASSIVE | 48 | 2 | 0 | 0.009 | 0.014 | B | 0.0053 | 187 | NO | NO |
| 193594H | 018870 | MN | BROWN | TWP 191 | COBDEN | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.009 | 0.015 | B | 0.0056 | 180 | NO | NO |
| 193595P | 018940 | MN | BROWN | MN HWY 258 | SPRINGFIELD | FLASHING LIGHTS | FLASHING LIGHTS | 370 | 2 | 0 | 0.016 | 0.022 | B | 0.0061 | 165 | NO | NO |
| 193596W | 019050 | MN | BROWN | TWP 90 | SPRINGFIELD | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.009 | 0.015 | B | 0.0056 | 180 | NO | NO |
| 193610P | 019140 | MN | BROWN | TWP 85 | SPRINGFIELD | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.009 | 0.015 | B | 0.0056 | 180 | NO | NO |
| 911204C | 19260 | MN | BROWN | Cnty Rd 5 | SPRINGFIELD | PASSIVE | PASSIVE | 1250 | 2 | 1 | 0.102 | 0.132 | A | 0.0295 | 34 | YES | YES |
| 193612D | 19270 | MN | BROWN | SANDBORN ST | SPRINGFIELD | PASSIVE | PASSIVE | 200 | 2 | 0 | 0.014 | 0.023 | B | 0.0081 | 123 | NO | NO |
| 193613K | 019290 | MN | BROWN | WASHINGTON AVE. | SPRINGFIELD | PASSIVE | PASSIVE | 380 | 2 | 0 | 0.027 | 0.043 | B | 0.0163 | 61 | NO | NO |
| 193599S | 019300 | MN | BROWN | LINCOLN ST | SPRINGFIELD | PASSIVE | PASSIVE | 380 | 2 | 0 | 0.027 | 0.043 | B | 0.0163 | 61 | NO | NO |
| 193614S | 019310 | MN | BROWN | CASS ST | SPRINGFIELD | FLASHING LIGHTS | FLASHING LIGHTS | 1650 | 2 | 0 | 0.028 | 0.037 | B | 0.0087 | 115 | NO | NO |
| 193616F | 019330 | MN | BROWN | OCONNELL AVE. | SPRINGFIELD | PASSIVE | PASSIVE | 770 | 2 | 1 | 0.092 | 0.127 | A | 0.0344 | 29 | YES | YES |
| 193600J | 019360 | MN | BROWN | BURNS AVE | SPRINGFIELD | PASSIVE | PASSIVE | 380 | 2 | 0 | 0.027 | 0.043 | B | 0.0163 | 61 | NO | NO |
| 193859H | 019410 | MN | BROWN | CO RD 4 | SPRINGFIELD | FLASHING LIGHTS | FLASHING LIGHTS | 410 | 2 | 0 | 0.018 | 0.024 | B | 0.0064 | 156 | NO | NO |
| 193710U | 19760 | MN | BROWN | CO RD 2 | SPRINGFIELD | PASSIVE | PASSIVE | 160 | 2 | 0 | 0.022 | 0.034 | B | 0.0122 | 82 | NO | NO |
| | | | | | | | Total | | | 13 | 1.707 | 2.368 | | 0.6612 | 2 | Number of crossings | |
| | | | | | | | Minimum | | | | 0.008 | 0.013 | | 0.0050 | 198 | In the County = | 46 |
| | | | | | | | Maximum | | | | 0.154 | 0.205 | | 0.0509 | 20 | | |

Pre/Post-Construction Accident Prediction Comparison
Minnesota 50 MNT
Alternative B

| FRA ID | MILEPOST | STATE | COUNTY | STREET | CITY | EXISTING DEVICE | PROPOSED DEVICE | ADT c | NO. HWY LANES | NO. OBSERVED ACCIDENTS 1993-1997 N | Estimated Annual Accident Frequency Pre-Construction | Estimated Annual Accident Frequency Post-Construction | Category | Increase in Frequency | 1/Freq. | Trip Threshold | State Top 50 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Redwood County** | | | | | | | | | | | | | | | | | |
| 193711B | 020050 | MN | REDWOOD | TWP 2 | SANBORN | PASSIVE | PASSIVE | 56 | 2 | 0 | 0.008 | 0.015 | B | 0.0066 | 152 | NO | NO |
| 193664V | 020080 | MN | REDWOOD | TWP 153 | SANBORN | PASSIVE | PASSIVE | 146 | 2 | 0 | 0.012 | 0.020 | B | 0.0087 | 114 | NO | NO |
| 197897F | 020170 | MN | REDWOOD | MAIN ST. | SANBORN | FLASHING LIGHTS | FLASHING LIGHTS | 1300 | 2 | 0 | 0.035 | 0.044 | B | 0.0095 | 105 | NO | NO |
| 197896Y | 020180 | MN | REDWOOD | SOUTH ST. | SANBORN | PASSIVE | PASSIVE | 380 | 2 | 0 | 0.016 | 0.027 | B | 0.0113 | 88 | NO | NO |
| 193669E | 020260 | MN | REDWOOD | TWP 149 | SANBORN | PASSIVE | PASSIVE | 73 | 2 | 0 | 0.011 | 0.016 | B | 0.0057 | 175 | NO | NO |
| 193671F | 020370 | MN | REDWOOD | TWP 147 & 148 | SANBORN | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.009 | 0.015 | B | 0.0056 | 180 | NO | NO |
| 197895S | 020880 | MN | REDWOOD | MAIN ST. | LAMBERTON | FLASHING LIGHTS | FLASHING LIGHTS | 380 | 2 | 0 | 0.021 | 0.032 | B | 0.0113 | 89 | NO | NO |
| 197894K | 020910 | MN | REDWOOD | ILEX ST/ CO RD 6 | LAMBERTON | FLASHING LIGHTS | FLASHING LIGHTS | 1300 | 2 | 0 | 0.026 | 0.035 | B | 0.0084 | 120 | NO | NO |
| 193712H | 21090 | MN | REDWOOD | TWP 190 | LAMBERTON | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.009 | 0.015 | B | 0.0056 | 180 | NO | NO |
| 193713P | 021300 | MN | REDWOOD | TWP 184 | REVERE | PASSIVE | PASSIVE | 99 | 2 | 0 | 0.011 | 0.018 | B | 0.0066 | 150 | NO | NO |
| 197789J | 021370 | MN | REDWOOD | MAIN ST/ CO RD 127 | REVERE | FLASHING LIGHTS | FLASHING LIGHTS | 510 | 2 | 0 | 0.019 | 0.026 | B | 0.0069 | 145 | NO | NO |
| 193714W | 021410 | MN | REDWOOD | CO RD 7 | REVERE | PASSIVE | PASSIVE | 320 | 2 | 0 | 0.028 | 0.041 | B | 0.0133 | 75 | NO | NO |
| 193715D | 021500 | MN | REDWOOD | TWP 178 | REVERE | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.009 | 0.015 | B | 0.0056 | 180 | NO | NO |
| 193716K | 021610 | MN | REDWOOD | CO RD 10 | WALNUT GROVE | PASSIVE | PASSIVE | 125 | 2 | 0 | 0.021 | 0.032 | B | 0.0109 | 92 | NO | NO |
| 193717S | 021710 | MN | REDWOOD | TWP 127 | WALNUT GROVE | PASSIVE | PASSIVE | 44 | 2 | 0 | 0.009 | 0.014 | B | 0.0052 | 192 | NO | NO |
| 193718Y | 021810 | MN | REDWOOD | CO RD 80 | WALNUT GROVE | PASSIVE | PASSIVE | 530 | 2 | 0 | 0.032 | 0.047 | B | 0.0145 | 69 | NO | NO |
| 193719F | 021880 | MN | REDWOOD | 1ST ST | WALNUT GROVE | PASSIVE | PASSIVE | 49 | 2 | 1 | 0.045 | 0.054 | B | 0.0097 | 103 | NO | NO |
| 197893D | 021900 | MN | REDWOOD | 6TH ST. | WALNUT GROVE | FLASHING LIGHTS | FLASHING LIGHTS | 900 | 2 | 0 | 0.023 | 0.031 | B | 0.0078 | 128 | NO | NO |
| 197892W | 21920 | MN | REDWOOD | CO RD 5 | WALNUT GROVE | FLASHING LIGHTS | FLASHING LIGHTS | 1000 | 2 | 0 | 0.022 | 0.032 | B | 0.0101 | 99 | NO | NO |
| 193721G | 022110 | MN | REDWOOD | CO RD 75 | WALNUT GROVE | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.007 | 0.013 | B | 0.0059 | 168 | NO | NO |
| 193692Y | 022220 | MN | REDWOOD | TWP 160 | WALNUT GROVE | PASSIVE | PASSIVE | 40 | 2 | 0 | 0.007 | 0.013 | B | 0.0059 | 168 | NO | NO |
| 193694M | 022320 | MN | REDWOOD | TWP 158 | WALNUT GROVE | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.008 | 0.015 | B | 0.0066 | 152 | NO | NO |
| 193696B | 022410 | MN | REDWOOD | TWP 154(county line) | TRACY | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.007 | 0.015 | B | 0.0074 | 135 | NO | NO |
| 193697H | 022510 | MN | REDWOOD | TWP 18 | TRACY | PASSIVE | PASSIVE | 37 | 2 | 0 | 0.006 | 0.013 | B | 0.0066 | 153 | NO | NO |
| | | | | | | | **Total** | | | **1** | **0.404** | **0.600** | | **0.1956** | **5** | **Number of crossings** | |
| | | | | | | | **Minimum** | | | | **0.006** | **0.013** | | **0.0052** | **192** | **In the County =** | **24** |
| | | | | | | | **Maximum** | | | | **0.045** | **0.054** | | **0.0145** | **69** | | |
| **Lyon County** | | | | | | | | | | | | | | | | | |
| 193722N | 022650 | MN | LYON | CENTER ST | TRACY | GATES | GATES | 1450 | 4 | 0 | 0.025 | 0.034 | B | 0.0093 | 108 | NO | NO |
| 193741T | 022660 | MN | LYON | 4TH ST. | TRACY | GATES | GATES | 2200 | 2 | 1 | 0.047 | 0.059 | B | 0.0121 | 83 | NO | NO |
| 193742A | 022720 | MN | LYON | HIGHLINE RD 73 | TRACY | PASSIVE | PASSIVE | 650 | 2 | 0 | 0.033 | 0.049 | B | 0.0160 | 62 | NO | NO |
| 193699W | 022800 | MN | LYON | CO RD 14 | TRACY | PASSIVE | PASSIVE | 320 | 2 | 2 | 0.128 | 0.164 | A | 0.0368 | 27 | YES | YES |
| 193700N | 022830 | MN | LYON | TWP 227 | TRACY | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.009 | 0.015 | B | 0.0059 | 169 | NO | NO |
| 193702C | 022950 | MN | LYON | CO RD 14 | TRACY | PASSIVE | PASSIVE | 225 | 2 | 0 | 0.024 | 0.037 | B | 0.0132 | 76 | NO | NO |
| 193708T | 023150 | MN | LYON | TWP 217 | GARVIN | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.009 | 0.015 | B | 0.0059 | 169 | NO | NO |
| 193709A | 023250 | MN | LYON | TWP 208 | GARVIN | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.009 | 0.015 | B | 0.0059 | 169 | NO | NO |
| 193810Y | 023350 | MN | LYON | US HWY 59 | GARVIN | FLASHING LIGHTS | FLASHING LIGHTS | 1350 | 2 | 0 | 0.023 | 0.031 | B | 0.0077 | 130 | NO | NO |
| 193757P | 023390 | MN | LYON | 1ST ST | GARVIN | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.009 | 0.015 | B | 0.0059 | 169 | NO | NO |
| 193758W | 023450 | MN | LYON | TWP 201 | GARVIN | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.009 | 0.015 | B | 0.0059 | 169 | NO | NO |
| 193759D | 023550 | MN | LYON | TWP 194 | GARVIN | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.009 | 0.015 | B | 0.0059 | 169 | NO | NO |
| 193743G | 023660 | MN | LYON | CO RD 7 | BALATON | PASSIVE | PASSIVE | 155 | 2 | 0 | 0.022 | 0.034 | B | 0.0121 | 82 | NO | NO |
| 193744N | 023760 | MN | LYON | TWP 190 | BALATON | PASSIVE | PASSIVE | 73 | 2 | 0 | 0.010 | 0.016 | B | 0.0064 | 155 | NO | NO |
| 193745V | 023860 | MN | LYON | TWP 27 | BALATON | PASSIVE | PASSIVE | 5 | 2 | 0 | 0.004 | 0.007 | B | 0.0027 | 372 | NO | NO |
| 193797M | 023940 | MN | LYON | 2ND ST. SW | BALATON | FLASHING LIGHTS | FLASHING LIGHTS | 1050 | 2 | 1 | 0.065 | 0.080 | B | 0.0145 | 69 | NO | NO |
| 193748R | 023990 | MN | LYON | CO RD 5 | BALATON | FLASHING LIGHTS | FLASHING LIGHTS | 710 | 2 | 0 | 0.019 | 0.025 | B | 0.0067 | 150 | NO | NO |
| 193751Y | 024180 | MN | LYON | TWP 14 | BALATON | PASSIVE | PASSIVE | 38 | 2 | 0 | 0.008 | 0.013 | B | 0.0053 | 190 | NO | NO |
| 193752F | 024230 | MN | LYON | TWP 176 | BALATON | PASSIVE | PASSIVE | 45 | 2 | 0 | 0.008 | 0.014 | B | 0.0055 | 180 | NO | NO |

Pre/Post-Construction Accident Prediction Comparison
Minnesota 50 MNT
Alternative B

| FRA ID | MILEPOST | STATE | COUNTY | STREET | CITY | EXISTING DEVICE | PROPOSED DEVICE | ADT c | NO. HWY LANES | NO. OBSERVED ACCIDENTS 1993-1997 N | Estimated Annual Accident Frequency Pre-Construction | Estimated Annual Accident Frequency Post-Construction | Category | Increase in Frequency | 1/Freq. | Trip Threshold | State Top 50 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 193753M | 024330 | MN | LYON | TWP 244 | BALATON | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.009 | 0.015 | B | 0.0059 | 169 | NO | NO |
| 193755B | 024440 | MN | LYON | MN HWY 91 | BALATON | FLASHING LIGHTS | FLASHING LIGHTS | 495 | 2 | 0 | 0.016 | 0.026 | B | 0.0097 | 103 | NO | NO |
| 193725J | 024590 | MN | LYON | TWP 15 | BALATON | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.016 | 0.025 | B | 0.0094 | 106 | NO | NO |
| 193726R | 024640 | MN | LYON | CO RD 13 | TYLER | PASSIVE | PASSIVE | 50 | 2 | 0 | 0.015 | 0.024 | B | 0.0092 | 109 | NO | NO |
| 193730F | 024920 | MN | LYON | TWP 262 | TYLER | PASSIVE | PASSIVE | 16 | 2 | 0 | 0.006 | 0.010 | B | 0.0040 | 252 | NO | NO |
| 193732U | 024980 | MN | LYON | CO RD 51 | TYLER | PASSIVE | PASSIVE | 15 | 2 | 0 | 0.006 | 0.010 | B | 0.0039 | 257 | NO | NO |
| | | | | | | | Total | | | 4 | 0.537 | 0.763 | | 0.2256 | 4 | Number of crossings | |
| | | | | | | | Minimum | | | | 0.004 | 0.007 | | 0.0027 | 372 | In the County = | 25 |
| | | | | | | | Maximum | | | | 0.128 | 0.164 | | 0.0368 | 27 | | |
| Lincoln County | | | | | | | | | | | | | | | | | |
| 193734H | 025180 | MN | LINCOLN | TWP 82 | TYLER | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.009 | 0.015 | B | 0.0059 | 169 | NO | NO |
| 193736W | 025290 | MN | LINCOLN | CO RD 115 | TYLER | PASSIVE | PASSIVE | 380 | 2 | 0 | 0.017 | 0.027 | B | 0.0102 | 98 | NO | NO |
| 193798U | 025340 | MN | LINCOLN | WILLOW ST | TYLER | PASSIVE | PASSIVE | 380 | 2 | 1 | 0.080 | 0.106 | B | 0.0263 | 38 | NO | NO |
| 193799B | 025350 | MN | LINCOLN | TYLER ST | TYLER | GATES | GATES | 3150 | 2 | 0 | 0.018 | 0.024 | B | 0.0057 | 176 | NO | NO |
| 193800T | 025380 | MN | LINCOLN | CO RD 8 | TYLER | GATES | GATES | 1000 | 2 | 0 | 0.014 | 0.018 | B | 0.0046 | 217 | NO | NO |
| 193737D | 025490 | MN | LINCOLN | TWP 90 | TYLER | PASSIVE | PASSIVE | 59 | 2 | 0 | 0.009 | 0.015 | B | 0.0060 | 166 | NO | NO |
| 193740L | 025590 | MN | LINCOLN | TWP 96 | TYLER | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.009 | 0.015 | B | 0.0059 | 169 | NO | NO |
| 193761E | 025690 | MN | LINCOLN | CO RD 111 | TYLER | PASSIVE | PASSIVE | 95 | 2 | 0 | 0.011 | 0.018 | B | 0.0070 | 144 | NO | NO |
| 193762L | 025790 | MN | LINCOLN | TWP 100 | LAKE BENTON | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.009 | 0.015 | B | 0.0059 | 169 | NO | NO |
| 193764A | 025900 | MN | LINCOLN | TWP 104 | LAKE BENTON | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.009 | 0.015 | B | 0.0059 | 169 | NO | NO |
| 193801A | 026160 | MN | LINCOLN | CENTER ST. | LAKE BENTON | GATES | GATES | 1100 | 2 | 0 | 0.012 | 0.016 | B | 0.0042 | 236 | NO | NO |
| 193802G | 026190 | MN | LINCOLN | BENTON ST. | LAKE BENTON | PASSIVE | PASSIVE | 450 | 2 | 1 | 0.083 | 0.110 | B | 0.0271 | 37 | NO | NO |
| 193768C | 026330 | MN | LINCOLN | TWP 100 | LAKE BENTON | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.009 | 0.015 | B | 0.0059 | 169 | NO | NO |
| 193769J | 026480 | MN | LINCOLN | TWP 7 | LAKE BENTON | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.009 | 0.015 | B | 0.0059 | 169 | NO | NO |
| 193770D | 026590 | MN | LINCOLN | CO RD 9 | VERDI | FLASHING LIGHTS | FLASHING LIGHTS | 450 | 2 | 0 | 0.016 | 0.025 | B | 0.0095 | 106 | NO | NO |
| 193771K | 026730 | MN | LINCOLN | TWP 125 | VERDI | PASSIVE | PASSIVE | 50 | 2 | 0 | 0.009 | 0.014 | B | 0.0057 | 175 | NO | NO |
| 193773Y | 026750 | MN | LINCOLN | CO RD 9 | VERDI | PASSIVE | PASSIVE | 150 | 2 | 0 | 0.021 | 0.033 | B | 0.0120 | 83 | NO | NO |
| 193772S | 026780 | MN | LINCOLN | MAIN ST | VERDI | PASSIVE | PASSIVE | 23 | 2 | 0 | 0.007 | 0.011 | B | 0.0045 | 223 | NO | NO |
| 193776U | 026830 | MN | LINCOLN | CO RD 2 | VERDI | PASSIVE | PASSIVE | 75 | 2 | 0 | 0.017 | 0.027 | B | 0.0102 | 98 | NO | NO |
| 193780J | 026940 | MN | LINCOLN | TWP 132 | VERDI | PASSIVE | PASSIVE | 720 | 2 | 0 | 0.021 | 0.033 | B | 0.0119 | 84 | NO | NO |
| 193782X | 27040 | MN | LINCOLN | TWP 133 | VERDI | PASSIVE | PASSIVE | 40 | 2 | 0 | 0.008 | 0.013 | B | 0.0053 | 187 | NO | NO |
| 193783E | 027140 | MN | LINCOLN | CO RD 1 | ELKTON | PASSIVE | PASSIVE | 110 | 2 | 0 | 0.019 | 0.031 | B | 0.0112 | 89 | NO | NO |
| 193784L | 027250 | MN | LINCOLN | TWP 138 | ELKTON | PASSIVE | PASSIVE | 44 | 2 | 0 | 0.008 | 0.014 | B | 0.0055 | 182 | NO | NO |
| | | | | | | | Total | | | 2 | 0.424 | 0.627 | | 0.2024 | 5 | Number of crossings | |
| | | | | | | | Minimum | | | | 0.007 | 0.011 | | 0.0042 | 236 | In the County = | 23 |
| | | | | | | | Maximum | | | | 0.083 | 0.110 | | 0.0271 | 37 | | |

Pre-Construction Accident Prediction Summary
Minnesota 100 MNT
Alternative B

| FRA ID | MILEPOST | STATE | COUNTY | STREET | CITY | EXISTING DEVICE | ADT c | TRNS PER DAY t | NO. THRU TRNS/DAY DAYLIGHT d | MAX. TT SPEED (MPH) | NO. MAIN TRKS | HWY PAVED YES=1 NO=2 | NO. HWY LANES | BASIC FORMULA INITIAL (ACCIDENTS/YR) a | NO. YRS T | NO. OBSERVED ACCIDENTS 1993-1997 N | PREDICTED ACCIDENTS PER YR B | Estimated Annual Accident Frequency A |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Segment 1 Winona to Lewiston MP 0 to 18.4 | | | | | | | | | | | | | | | | | | |
| 193171H | 000520 | MN | WINONA | Martina & 11th St. | WINONA | PASSIVE | 460 | 10 | 6 | 40 | 1 | 2 | 1 | 0.040 | 5 | 0 | 0.027 | 0.020 |
| 193197K | 000620 | MN | WINONA | Canton Mills | MINNESOTA CITY | PASSIVE | 100 | 10 | 6 | 40 | 1 | 2 | 1 | 0.023 | 5 | 0 | 0.017 | 0.012 |
| 193200R | 000860 | MN | WINONA | CNTY RD 23 | MINNESOTA CITY | FLASHING LIGHTS | 2500 | 10 | 6 | 30 | 1 | 1 | 2 | 0.089 | 5 | 0 | 0.053 | 0.028 |
| 193176S | 000930 | MN | WINONA | CNTY RD 6 | STOCKTON | PASSIVE | 55 | 10 | 6 | 30 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 193201X | 001110 | MN | WINONA | MAIN ST/CO RD 23 | STOCKTON | FLASHING LIGHTS | 1750 | 10 | 6 | 30 | 1 | 1 | 2 | 0.077 | 5 | 0 | 0.047 | 0.025 |
| 193206G | 001680 | MN | WINONA | DUTCHMAN/ TWP 1 | LEWISTON | PASSIVE | 55 | 10 | 6 | 30 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 193207N | 001780 | MN | WINONA | CO RD 25 | LEWISTON | FLASHING LIGHTS | 1850 | 10 | 6 | 30 | 1 | 1 | 2 | 0.079 | 5 | 0 | 0.048 | 0.025 |
| 193209C | 001840 | MN | WINONA | FREMONT STREET | LEWISTON | GATES | 1700 | 10 | 6 | 30 | 1 | 1 | 2 | 0.040 | 5 | 0 | 0.028 | 0.014 |
| Segment 2 Lewiston to Owatonna MP 18.4 to 88.1 | | | | | | | | | | | | | | | | | | |
| 193210W | 1900 | MN | WINONA | Golf Crossing | | PASSIVE | 55 | 12 | 8 | 30 | 1 | 2 | 1 | 0.018 | 5 | 0 | 0.014 | 0.010 |
| 193211D | 002090 | MN | WINONA | TWP 13 | UTICA | PASSIVE | 55 | 12 | 8 | 30 | 1 | 2 | 2 | 0.018 | 5 | 0 | 0.014 | 0.010 |
| 193247L | 002190 | MN | WINONA | CO RD 18 | UTICA | PASSIVE | 200 | 12 | 8 | 35 | 1 | 1 | 2 | 0.056 | 5 | 0 | 0.037 | 0.026 |
| 193248T | 002270 | MN | WINONA | CENTER STREET | UTICA | FLASHING LIGHTS | 950 | 12 | 8 | 35 | 1 | 1 | 2 | 0.066 | 5 | 2 | 0.189 | 0.100 |
| 193249A | 2300 | MN | WINONA | 2nd. Avenue | UTICA | PASSIVE | 39 | 12 | 8 | 35 | 1 | 2 | 1 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 193250U | 002400 | MN | WINONA | TWP 5 | UTICA | PASSIVE | 55 | 12 | 8 | 35 | 1 | 2 | 2 | 0.019 | 5 | 0 | 0.014 | 0.010 |
| 193251B | 2540 | MN | WINONA | Co Rd 37 | UTICA | PASSIVE | 180 | 12 | 8 | 35 | 1 | 2 | 2 | 0.030 | 5 | 0 | 0.021 | 0.015 |
| 193253P | 002650 | MN | WINONA | Twp 13 | ST CHARLES | PASSIVE | 55 | 12 | 8 | 35 | 1 | 2 | 2 | 0.019 | 5 | 0 | 0.014 | 0.010 |
| 193193H | 2780 | MN | WINONA | Terry Drive | ST CHARLES | FLASHING LIGHTS | 500 | 12 | 8 | 35 | 2 | 1 | 2 | 0.061 | 5 | 0 | 0.039 | 0.021 |
| 193254W | 002820 | MN | WINONA | RICHLAND AVE | ST CHARLES | PASSIVE | 380 | 12 | 8 | 35 | 2 | 1 | 2 | 0.071 | 5 | 0 | 0.044 | 0.032 |
| 193255D | 002840 | MN | WINONA | WHITEWATER | ST CHARLES | GATES | 4050 | 12 | 8 | 35 | 2 | 1 | 4 | 0.088 | 5 | 0 | 0.052 | 0.026 |
| 193256K | 002850 | MN | WINONA | ST. CHARLES AVE | ST CHARLES | PASSIVE | 780 | 12 | 8 | 35 | 1 | 1 | 2 | 0.093 | 5 | 0 | 0.054 | 0.039 |
| 193257S | 002870 | MN | WINONA | W. 11TH STREET | ST CHARLES | PASSIVE | 480 | 12 | 8 | 35 | 1 | 1 | 2 | 0.078 | 5 | 0 | 0.047 | 0.034 |
| 193194P | 2900 | MN | WINONA | Co Rd 126/West End | ST CHARLES | PASSIVE | 380 | 12 | 8 | 30 | 1 | 1 | 2 | 0.069 | 5 | 0 | 0.043 | 0.031 |
| 193258Y | 003010 | MN | OLMSTED | TWP 668 | ST CHARLES | PASSIVE | 25 | 12 | 8 | 35 | 1 | 2 | 2 | 0.014 | 5 | 0 | 0.011 | 0.008 |
| 193259F | 003040 | MN | OLMSTED | 19TH AVE/ TWP 591 | DOVER | PASSIVE | 25 | 12 | 8 | 35 | 1 | 2 | 2 | 0.014 | 5 | 0 | 0.011 | 0.008 |
| 193195W | 003090 | MN | OLMSTED | TWP 667 | DOVER | PASSIVE | 25 | 12 | 8 | 30 | 1 | 2 | 1 | 0.014 | 5 | 0 | 0.010 | 0.007 |
| 193260A | 003220 | MN | OLMSTED | CHATFIELD ST | DOVER | FLASHING LIGHTS | 1300 | 12 | 8 | 35 | 1 | 1 | 2 | 0.075 | 5 | 1 | 0.123 | 0.065 |
| 193261G | 003420 | MN | OLMSTED | CSAH 32 | DOVER | PASSIVE | 200 | 12 | 8 | 35 | 1 | 2 | 2 | 0.031 | 5 | 0 | 0.022 | 0.016 |
| 193262N | 003530 | MN | OLMSTED | 140 AVE SE/TWP 90 | EYOTA | PASSIVE | 50 | 12 | 8 | 35 | 1 | 2 | 2 | 0.019 | 5 | 0 | 0.014 | 0.010 |
| 193263V | 003680 | MN | OLMSTED | Center Ave/ CSAH 7 | EYOTA | GATES | 2300 | 12 | 8 | 35 | 3 | 1 | 4 | 0.086 | 5 | 0 | 0.051 | 0.025 |
| 193289X | 006130 | MN | DODGE | CO RD 15 | BYRON | PASSIVE | 670 | 12 | 8 | 35 | 1 | 1 | 2 | 0.088 | 5 | 1 | 0.134 | 0.096 |
| 193290S | 006230 | MN | DODGE | TWP 30 | KASSON | PASSIVE | 55 | 12 | 8 | 35 | 1 | 2 | 2 | 0.019 | 5 | 0 | 0.014 | 0.010 |
| 193291Y | 006350 | MN | DODGE | MANTORVILLE AVE. | KASSON | GATES | 2750 | 12 | 8 | 35 | 1 | 1 | 2 | 0.051 | 5 | 0 | 0.034 | 0.017 |
| 193292F | 006360 | MN | DODGE | SECOND AVE S.W. | KASSON | PASSIVE | 610 | 12 | 8 | 35 | 1 | 1 | 2 | 0.085 | 5 | 0 | 0.051 | 0.036 |
| 193293M | 006370 | MN | DODGE | THIRD AVE SW | KASSON | PASSIVE | 360 | 12 | 8 | 35 | 1 | 1 | 2 | 0.070 | 5 | 0 | 0.044 | 0.031 |
| 193294U | 006430 | MN | DODGE | EIGHTH AVE. S.W. | KASSON | PASSIVE | 860 | 12 | 8 | 35 | 2 | 1 | 2 | 0.096 | 5 | 0 | 0.056 | 0.040 |
| 196630L | 006520 | MN | DODGE | US HWY 14 | KASSON | FLASHING LIGHTS | 7900 | 12 | 8 | 30 | 1 | 1 | 2 | 0.158 | 5 | 0 | 0.077 | 0.041 |
| 193296H | 006530 | MN | DODGE | CO RD 34/ TWP 134 | KASSON | PASSIVE | 60 | 12 | 8 | 35 | 1 | 2 | 2 | 0.020 | 5 | 0 | 0.015 | 0.011 |
| 193357W | 006630 | MN | DODGE | CO RD 9 | KASSON | PASSIVE | 540 | 12 | 8 | 35 | 1 | 1 | 2 | 0.081 | 5 | 0 | 0.049 | 0.035 |
| 193358D | 006740 | MN | DODGE | TWP 139 | DODGE CENTER | PASSIVE | 45 | 12 | 8 | 35 | 1 | 2 | 2 | 0.018 | 5 | 0 | 0.013 | 0.010 |
| 193359K | 006840 | MN | DODGE | AIRPORT DRIVE S. | DODGE CENTER | PASSIVE | 135 | 12 | 8 | 35 | 2 | 1 | 2 | 0.049 | 5 | 0 | 0.033 | 0.023 |
| 193297P | 006890 | MN | DODGE | 4TH AVE. S.E. | DODGE CENTER | PASSIVE | 380 | 12 | 8 | 20 | 1 | 2 | 2 | 0.035 | 5 | 2 | 0.144 | 0.103 |
| 193360E | 006900 | MN | DODGE | SECOND AVE. S.E. | DODGE CENTER | PASSIVE | 380 | 12 | 8 | 20 | 2 | 1 | 2 | 0.063 | 5 | 0 | 0.041 | 0.029 |
| 193361L | 006910 | MN | DODGE | FIRST AVE. S.E. | DODGE CENTER | PASSIVE | 380 | 12 | 8 | 20 | 1 | 1 | 2 | 0.063 | 5 | 0 | 0.041 | 0.029 |
| 193298W | 006920 | MN | DODGE | CENTRAL AVE | DODGE CENTER | PASSIVE | 380 | 12 | 8 | 20 | 2 | 1 | 2 | 0.063 | 5 | 1 | 0.113 | 0.081 |
| 193362T | 006930 | MN | DODGE | FIRST AVE S.W. | DODGE CENTER | PASSIVE | 380 | 12 | 8 | 35 | 1 | 1 | 2 | 0.071 | 5 | 0 | 0.044 | 0.032 |
| 193299D | 006940 | MN | DODGE | 2ND AVE. S.W. | DODGE CENTER | PASSIVE | 380 | 12 | 8 | 35 | 1 | 1 | 2 | 0.071 | 5 | 0 | 0.044 | 0.032 |
| 193363A | 006950 | MN | DODGE | THIRD AVE N.W. | DODGE CENTER | FLASHING LIGHTS | 3300 | 12 | 8 | 35 | 1 | 1 | 2 | 0.110 | 5 | 1 | 0.150 | 0.079 |
| 193300V | 007000 | MN | DODGE | CO RD H | DODGE CENTER | PASSIVE | 500 | 12 | 8 | 35 | 1 | 1 | 2 | 0.079 | 5 | 0 | 0.048 | 0.034 |

Pre-Construction Accident Prediction Summary
Minnesota 100 MNT
Alternative B

| FRA ID | MILEPOST | STATE | COUNTY | STREET | CITY | EXISTING DEVICE | ADT c | TRNS PER DAY t | NO. THRU TRNS/DAY DAYLIGHT d | MAX. TT SPEED (MPH) | NO. MAIN TRKS | HWY PAVED YES=1 NO=2 | NO. HWY LANES | BASIC FORMULA INITIAL (ACCIDENTS/YR) a | NO. YRS T | NO. OBSERVED ACCIDENTS 1993-1997 N | PREDICTED ACCIDENTS PER YR B | Estimated Annual Accident Frequency A |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 193364G | 007140 | MN | DODGE | TWP 145 | DODGE CENTER | PASSIVE | 55 | 12 | 8 | 35 | 1 | 2 | 2 | 0.019 | 5 | 0 | 0.014 | 0.010 |
| 193303R | 7190 | MN | DODGE | Twp 153 | DODGE CENTER | PASSIVE | 10 | 12 | 8 | 35 | 1 | 2 | 2 | 0.010 | 5 | 0 | 0.008 | 0.006 |
| 193365N | 007270 | MN | DODGE | CO RD 5 | CLAREMONT | PASSIVE | 310 | 12 | 8 | 35 | 1 | 1 | 2 | 0.066 | 5 | 0 | 0.042 | 0.030 |
| 193366V | 007320 | MN | DODGE | TWP 180 | CLAREMONT | PASSIVE | 49 | 12 | 8 | 35 | 1 | 2 | 2 | 0.018 | 5 | 0 | 0.014 | 0.010 |
| 193367C | 7370 | MN | DODGE | TWP 154 | CLAREMONT | PASSIVE | 55 | 12 | 8 | 35 | 1 | 2 | 2 | 0.019 | 5 | 0 | 0.014 | 0.010 |
| 193368J | 007480 | MN | DODGE | TWP 157 | CLAREMONT | PASSIVE | 55 | 12 | 8 | 35 | 1 | 2 | 2 | 0.019 | 5 | 0 | 0.014 | 0.010 |
| 193369R | 007580 | MN | DODGE | CO RD 3 | CLAREMONT | PASSIVE | 570 | 12 | 8 | 35 | 1 | 1 | 2 | 0.083 | 5 | 0 | 0.050 | 0.036 |
| 193370K | 007640 | MN | DODGE | ELM | CLAREMONT | PASSIVE | 380 | 12 | 8 | 35 | 3 | 2 | 1 | 0.039 | 5 | 0 | 0.027 | 0.019 |
| 193371S | 007680 | MN | DODGE | CO RD 1 | CLAREMONT | PASSIVE | 550 | 12 | 8 | 35 | 1 | 1 | 2 | 0.082 | 5 | 1 | 0.129 | 0.092 |
| 193307T | 007780 | MN | DODGE | TWP 171 | CLAREMONT | PASSIVE | 55 | 12 | 8 | 35 | 1 | 2 | 2 | 0.019 | 5 | 0 | 0.014 | 0.010 |
| 193372Y | 007980 | MN | STEELE | CO RD 16/ SE 84 AVE | CLAREMONT | PASSIVE | 175 | 12 | 8 | 35 | 1 | 1 | 2 | 0.053 | 5 | 0 | 0.035 | 0.025 |
| 193373F | 008090 | MN | STEELE | SE 74TH AVE | CLAREMONT | PASSIVE | 55 | 12 | 8 | 35 | 1 | 2 | 2 | 0.019 | 5 | 0 | 0.014 | 0.010 |
| 193311H | 8130 | MN | STEELE | SE 28th Ave | CLAREMONT | PASSIVE | 55 | 12 | 8 | 35 | 1 | 2 | 2 | 0.019 | 5 | 0 | 0.014 | 0.010 |
| 193374M | 008180 | MN | STEELE | SE 64TH STREET | OWATONNA | PASSIVE | 80 | 12 | 8 | 35 | 1 | 2 | 2 | 0.022 | 5 | 0 | 0.016 | 0.012 |
| 193375U | 008290 | MN | STEELE | US HWY 14 | OWATONNA | FLASHING LIGHTS | 4700 | 12 | 8 | 35 | 1 | 1 | 4 | 0.183 | 5 | 1 | 0.192 | 0.102 |
| 193376B | 008390 | MN | STEELE | SE 44 AVE/ CO RD 59 | OWATONNA | PASSIVE | 365 | 12 | 8 | 35 | 1 | 1 | 2 | 0.070 | 5 | 0 | 0.044 | 0.031 |
| 193312P | 008500 | MN | STEELE | SE 34TH AVE | OWATONNA | PASSIVE | 55 | 12 | 8 | 35 | 1 | 2 | 2 | 0.019 | 5 | 0 | 0.014 | 0.010 |
| 193377H | 008540 | MN | STEELE | CO RD 71 | OWATONNA | PASSIVE | 155 | 12 | 8 | 35 | 1 | 1 | 2 | 0.051 | 5 | 0 | 0.034 | 0.024 |
| 193382E | 8740 | MN | STEELE | RICE LAKE STREET | OWATONNA | FLASHING LIGHTS | 1500 | 12 | 8 | 35 | 1 | 1 | 2 | 0.080 | 5 | 0 | 0.048 | 0.026 |
| 380294J | 8750 | MN | STEELE | E. Vine St | OWATONNA | PASSIVE | 200 | 12 | 7.5 | 35 | 1 | 1 | 2 | 0.056 | 5 | 0 | 0.037 | 0.026 |
| 187034M | 8760 | MN | STEELE | Chestnut St | OWATONNA | PASSIVE | 200 | 12 | 7.5 | 35 | 1 | 2 | 1 | 0.031 | 5 | 0 | 0.022 | 0.016 |
| 187033F | 008776 | MN | STEELE | ROSE ST | OWATONNA | GATES | 3515 | 12 | 8 | 35 | 1 | 1 | 2 | 0.054 | 5 | 0 | 0.036 | 0.018 |
| 187032Y | 8780 | MN | STEELE | Pine Ave | OWATONNA | GATES | 2000 | 12 | 7.5 | 35 | 1 | 1 | 2 | 0.046 | 5 | 0 | 0.031 | 0.015 |
| Segment 3 Owatonna to Waseca MP 88.1 to 102.5 | | | | | | | | | | | | | | | | | | |
| 193383L | 8830 | MN | STEELE | ELM AVE | OWATONNA | FLASHING LIGHTS | 2515 | 14 | 9 | 35 | 4 | 1 | 4 | 0.273 | 5 | 0 | 0.104 | 0.055 |
| 193384T | 008840 | MN | STEELE | CEDAR AVE | OWATONNA | FLASHING LIGHTS | 6800 | 14 | 9 | 35 | 3 | 1 | 4 | 0.339 | 5 | 0 | 0.115 | 0.061 |
| 193388V | 008890 | MN | STEELE | STATE AVE | OWATONNA | FLASHING LIGHTS | 5600 | 14 | 9 | 35 | 1 | 1 | 2 | 0.148 | 5 | 0 | 0.074 | 0.039 |
| 193390W | 008950 | MN | STEELE | PARK DRIVE | OWATONNA | FLASHING LIGHTS | 125 | 14 | 9 | 35 | 1 | 1 | 2 | 0.031 | 5 | 0 | 0.022 | 0.012 |
| 193391D | 008970 | MN | STEELE | 24TH AVE. N.W. | OWATONNA | FLASHING LIGHTS | 2700 | 14 | 9 | 35 | 1 | 1 | 2 | 0.110 | 5 | 1 | 0.150 | 0.079 |
| 193392K | 009030 | MN | STEELE | 32ND AVE/ TWP 229 | OWATONNA | PASSIVE | 70 | 14 | 9 | 35 | 1 | 2 | 2 | 0.023 | 5 | 1 | 0.070 | 0.050 |
| 193394Y | 9250 | MN | STEELE | 52 AVE SW/ CO RD 17 | OWATONNA | PASSIVE | 290 | 14 | 9 | 35 | 1 | 1 | 4 | 0.070 | 5 | 0 | 0.044 | 0.031 |
| 193395F | 9350 | MN | STEELE | NW 62ND AVE | OWATONNA | PASSIVE | 100 | 14 | 9 | 35 | 1 | 1 | 4 | 0.047 | 5 | 0 | 0.032 | 0.023 |
| 193397U | 009640 | MN | STEELE | SW 92ND AVE | MERIDEN | PASSIVE | 555 | 14 | 9 | 35 | 1 | 1 | 2 | 0.089 | 5 | 1 | 0.135 | 0.096 |
| 193398B | 009780 | MN | WASECA | 178TH ST/ TWP 128 | MERIDEN | PASSIVE | 55 | 14 | 9 | 35 | 1 | 2 | 2 | 0.021 | 5 | 2 | 0.120 | 0.086 |
| 193399H | 009930 | MN | WASECA | GOOSE LAKE XING | WASECA | PASSIVE | 10 | 14 | 9 | 35 | 1 | 2 | 1 | 0.011 | 5 | 0 | 0.009 | 0.006 |
| 193400A | 010090 | MN | WASECA | 145TH ST/ CO RD 5 | WASECA | PASSIVE | 500 | 14 | 9 | 35 | 1 | 1 | 2 | 0.086 | 5 | 0 | 0.051 | 0.037 |
| 193403V | 010180 | MN | WASECA | 8TH STREET S.E. | WASECA | FLASHING LIGHTS | 2000 | 14 | 9 | 35 | 1 | 1 | 2 | 0.097 | 5 | 0 | 0.056 | 0.030 |
| 193404C | 010200 | MN | WASECA | 7TH STREET SE | WASECA | PASSIVE | 200 | 14 | 9 | 35 | 1 | 1 | 2 | 0.061 | 5 | 1 | 0.111 | 0.079 |
| 193405J | 010220 | MN | WASECA | 5TH ST. SE | WASECA | PASSIVE | 2700 | 14 | 9 | 35 | 1 | 1 | 2 | 0.160 | 5 | 0 | 0.078 | 0.056 |
| 193406R | 010250 | MN | WASECA | STATE ST. | WASECA | FLASHING LIGHTS | 7900 | 14 | 9 | 20 | 1 | 1 | 2 | 0.171 | 5 | 0 | 0.081 | 0.043 |
| Segment 4 Waseca to Walnut Grove MP 102.5 to 219 | | | | | | | | | | | | | | | | | | |
| 193314D | 010260 | MN | WASECA | 2ND ST. S.W. | WASECA | FLASHING LIGHTS | 1050 | 10 | 6 | 20 | 1 | 1 | 2 | 0.063 | 5 | 0 | 0.040 | 0.021 |
| 193315K | 010270 | MN | WASECA | 4TH ST. S.W. | WASECA | GATES | 2700 | 10 | 6 | 20 | 3 | 1 | 2 | 0.063 | 5 | 0 | 0.040 | 0.020 |
| 193317Y | 010340 | MN | WASECA | CO RD 57 | WASECA | FLASHING LIGHTS | 650 | 10 | 6 | 20 | 1 | 1 | 2 | 0.051 | 5 | 0 | 0.034 | 0.018 |
| 193318F | 010380 | MN | WASECA | Brown St/ CO RD 2 | WASECA | FLASHING LIGHTS | 2600 | 10 | 6 | 20 | 1 | 1 | 2 | 0.091 | 5 | 1 | 0.136 | 0.072 |
| 193320G | 010460 | MN | WASECA | Airport/ CO RD 27 | WASECA | PASSIVE | 810 | 10 | 6 | 20 | 1 | 1 | 2 | 0.076 | 5 | 0 | 0.047 | 0.033 |
| 193322V | 010620 | MN | WASECA | CO RD 52/ 95TH ST | WASECA | PASSIVE | 55 | 10 | 6 | 20 | 1 | 2 | 2 | 0.015 | 5 | 0 | 0.012 | 0.008 |
| 193324J | 010730 | MN | WASECA | 85TH ST/ TWP 161 | WASECA | PASSIVE | 55 | 10 | 6 | 35 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 193326X | 010850 | MN | WASECA | CO RD 17 | JANESVILLE | PASSIVE | 190 | 10 | 6 | 35 | 1 | 2 | 2 | 0.028 | 5 | 0 | 0.020 | 0.014 |

Pre-Construction Accident Prediction Summary
Minnesota 100 MNT
Alternative B

| FRA ID | MILEPOST | STATE | COUNTY | STREET | CITY | EXISTING DEVICE | ADT c | TRNS PER DAY t | NO. THRU TRNS/DAY DAYLIGHT d | MAX. TT SPEED (MPH) | NO. MAIN TRKS | HWY PAVED YES=1 NO=2 | NO. HWY LANES | BASIC FORMULA INITIAL (ACCIDENTS/YR) a | NO. YRS T | NO. OBSERVED ACCIDENTS 1993-1997 N | PREDICTED ACCIDENTS PER YR B | Estimated Annual Accident Frequency A |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 193328L | 010960 | MN | WASECA | 60TH STREET | JANESVILLE | PASSIVE | 10 | 10 | 6 | 35 | 1 | 2 | 2 | 0.009 | 5 | 0 | 0.007 | 0.005 |
| 193329T | 11020 | MN | WASECA | Twp 92 | JANESVILLE | PASSIVE | 20 | 10 | 6.25 | 35 | 1 | 1 | 2 | 0.022 | 5 | 0 | 0.016 | 0.011 |
| 193341A | 011090 | MN | WASECA | CO RD 33 & 66 | JANESVILLE | PASSIVE | 110 | 10 | 6 | 35 | 1 | 2 | 2 | 0.022 | 5 | 0 | 0.016 | 0.012 |
| 193342G | 11190 | MN | WASECA | County Road 53 | JANESVILLE | PASSIVE | 100 | 10 | 6 | 35 | 1 | 2 | 2 | 0.022 | 5 | 0 | 0.016 | 0.011 |
| 193344V | 011260 | MN | WASECA | TEAL ST | JANESVILLE | PASSIVE | 1100 | 10 | 6 | 20 | 4 | 1 | 2 | 0.085 | 5 | 0 | 0.051 | 0.036 |
| 193346J | 011280 | MN | WASECA | SOUTH MAIN STREET | JANESVILLE | GATES | 1900 | 10 | 6 | 20 | 3 | 1 | 2 | 0.056 | 5 | 0 | 0.037 | 0.018 |
| 193348X | 011300 | MN | WASECA | CRAIG ST | JANESVILLE | PASSIVE | 380 | 10 | 6 | 20 | 1 | 1 | 2 | 0.058 | 5 | 0 | 0.037 | 0.027 |
| 193349E | 011310 | MN | WASECA | S. SKOOKUM ST | JANESVILLE | PASSIVE | 380 | 10 | 6 | 20 | 1 | 2 | 2 | 0.032 | 5 | 0 | 0.022 | 0.016 |
| 193354B | 011510 | MN | WASECA | CO RD 60 | JANESVILLE | PASSIVE | 275 | 10 | 6 | 35 | 1 | 1 | 2 | 0.057 | 5 | 1 | 0.107 | 0.077 |
| 193356P | 011630 | MN | WASECA | CO RD 37 | JANESVILLE | PASSIVE | 565 | 10 | 6 | 35 | 1 | 1 | 2 | 0.075 | 5 | 1 | 0.123 | 0.088 |
| 193407X | 011660 | MN | BLUE EARTH | CO RD 184 | JANESVILLE | PASSIVE | 235 | 10 | 6 | 35 | 1 | 2 | 2 | 0.030 | 5 | 0 | 0.021 | 0.015 |
| 193410F | 11750 | MN | BLUE EARTH | Twp 313 | JANESVILLE | PASSIVE | 100 | 10 | 6 | 35 | 1 | 2 | 2 | 0.022 | 5 | 0 | 0.016 | 0.011 |
| 193408E | 011870 | MN | BLUE EARTH | CO RD 185 | EAGLE LAKE | PASSIVE | 85 | 10 | 6 | 35 | 1 | 2 | 2 | 0.020 | 5 | 0 | 0.015 | 0.011 |
| 193411M | 011980 | MN | BLUE EARTH | TWP 325 | EAGLE LAKE | PASSIVE | 73 | 10 | 6 | 35 | 1 | 2 | 2 | 0.019 | 5 | 0 | 0.014 | 0.010 |
| 193414H | 012080 | MN | BLUE EARTH | CO RD 332 | EAGLE LAKE | PASSIVE | 39 | 10 | 6 | 35 | 1 | 1 | 2 | 0.028 | 5 | 0 | 0.020 | 0.014 |
| 193509R | 14720 | MN | BLUE EARTH | Twp. 461 | | PASSIVE | 100 | 10 | 6 | 20 | 1 | 2 | 1 | 0.019 | 5 | 0 | 0.014 | 0.010 |
| 193480V | 14890 | MN | BLUE EARTH | JUDSON FORT RD/ TW | MANKATO | PASSIVE | 52 | 10 | 6 | 35 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 193481C | 14980 | MN | BLUE EARTH | CSAH 42 | MANKATO | PASSIVE | 970 | 10 | 6 | 35 | 2 | 1 | 2 | 0.091 | 5 | 0 | 0.054 | 0.038 |
| 193482J | 14990 | MN | BLUE EARTH | PART ST/ TWP 245 | MANKATO | PASSIVE | 60 | 10 | 6 | 35 | 3 | 1 | 2 | 0.033 | 5 | 0 | 0.023 | 0.017 |
| 193483R | 15020 | MN | BLUE EARTH | PRAIRIE ST/ TWP 249 | MANKATO | PASSIVE | 55 | 10 | 6 | 35 | 3 | 2 | 1 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 193484X | 15630 | MN | BLUE EARTH | CSAH 6 | NEW ULM | PASSIVE | 160 | 10 | 6 | 35 | 1 | 1 | 2 | 0.047 | 5 | 0 | 0.032 | 0.023 |
| 193485E | 15660 | MN | BLUE EARTH | TWP 236 | NEW ULM | PASSIVE | 80 | 10 | 6 | 35 | 1 | 1 | 2 | 0.036 | 5 | 0 | 0.025 | 0.018 |
| 193487T | 15810 | MN | BLUE EARTH | CSAH 45 | NEW ULM | FLASHING LIGHTS | 750 | 10 | 6 | 35 | 1 | 1 | 2 | 0.055 | 5 | 0 | 0.036 | 0.019 |
| 193571H | 16060 | MN | BROWN | TWP 97 | NEW ULM | PASSIVE | 100 | 10 | 6 | 20 | 1 | 2 | 2 | 0.019 | 5 | 0 | 0.014 | 0.010 |
| 193522E | 16270 | MN | BROWN | SHAG RD/ TWP 96 | NEW ULM | PASSIVE | 115 | 10 | 6 | 20 | 1 | 2 | 2 | 0.020 | 5 | 0 | 0.015 | 0.011 |
| 193523L | 16310 | MN | BROWN | TOWER RD | NEW ULM | PASSIVE | 50 | 10 | 6 | 20 | 1 | 1 | 2 | 0.027 | 5 | 1 | 0.075 | 0.054 |
| 193488A | 16410 | MN | BROWN | 20TH SOUTH ST. | NEW ULM | FLASHING LIGHTS | 5300 | 10 | 6 | 20 | 1 | 1 | 4 | 0.175 | 5 | 0 | 0.082 | 0.044 |
| 196260K | 16440 | MN | BROWN | SE 16th St | NEW ULM | PASSIVE | 630 | 10 | 6.25 | 20 | 1 | 2 | 2 | 0.038 | 5 | 0 | 0.027 | 0.019 |
| 196261S | 16460 | MN | BROWN | S 12th St. | NEW ULM | GATES | 800 | 10 | 6 | 20 | 1 | 1 | 2 | 0.032 | 5 | 0 | 0.023 | 0.011 |
| 193491H | 016490 | MN | BROWN | 7TH SOUTH ST. | NEW ULM | PASSIVE | 650 | 10 | 6 | 20 | 4 | 1 | 2 | 0.070 | 5 | 0 | 0.044 | 0.031 |
| 193492P | 16520 | MN | BROWN | 3RD SOUTH ST. | NEW ULM | FLASHING LIGHTS | 770 | 10 | 6 | 20 | 6 | 1 | 2 | 0.144 | 5 | 1 | 0.171 | 0.091 |
| 193493W | 016540 | MN | BROWN | 1ST SOUTH ST. | NEW ULM | FLASHING LIGHTS | 1400 | 10 | 6 | 20 | 1 | 1 | 2 | 0.070 | 5 | 0 | 0.044 | 0.023 |
| 193494D | 016550 | MN | BROWN | CENTER ST | NEW ULM | PASSIVE | 1200 | 10 | 6 | 20 | 2 | 1 | 2 | 0.088 | 5 | 2 | 0.215 | 0.154 |
| 193525A | 16560 | MN | BROWN | FIRST STREET | NEW ULM | PASSIVE | 630 | 10 | 6 | 20 | 1 | 1 | 2 | 0.069 | 5 | 1 | 0.118 | 0.085 |
| 193537U | 16570 | MN | BROWN | 3RD NORTH ST. | NEW ULM | FLASHING LIGHTS | 1750 | 10 | 6 | 35 | 1 | 1 | 2 | 0.077 | 5 | 1 | 0.125 | 0.066 |
| 193536M | 16680 | MN | BROWN | MINNESOTA ST&17TH | NEW ULM | FLASHING LIGHTS | 970 | 10 | 6 | 35 | 1 | 1 | 2 | 0.061 | 5 | 0 | 0.039 | 0.021 |
| 911203V | 16720 | MN | BROWN | N. 20th St. | NEW ULM | FLASHING LIGHTS | 3500 | 10 | 6 | 35 | 1 | 1 | 2 | 0.103 | 5 | 0 | 0.058 | 0.031 |
| 193560N | 16800 | MN | BROWN | BOUNDARY ST./N 23 | NEW ULM | PASSIVE | 630 | 10 | 6 | 35 | 1 | 2 | 2 | 0.043 | 5 | 1 | 0.093 | 0.066 |
| 193572H | 016950 | MN | BROWN | CO RD 12 | NEW ULM | PASSIVE | 60 | 10 | 6 | 35 | 1 | 2 | 2 | 0.018 | 5 | 0 | 0.013 | 0.010 |
| 193573P | 017050 | MN | BROWN | TWP 128 | NEW ULM | PASSIVE | 55 | 10 | 6 | 35 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 193579F | 017150 | MN | BROWN | TWP 245 | ESSIG | PASSIVE | 55 | 10 | 6 | 35 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 193574W | 017250 | MN | BROWN | TWP 238 | ESSIG | PASSIVE | 40 | 10 | 6 | 35 | 1 | 2 | 2 | 0.015 | 5 | 0 | 0.012 | 0.008 |
| 193546T | 017310 | MN | BROWN | TWP 129 | ESSIG | PASSIVE | 80 | 10 | 6 | 35 | 1 | 2 | 2 | 0.020 | 5 | 0 | 0.015 | 0.011 |
| 193575D | 017360 | MN | BROWN | CO RD 11/Center St | ESSIG | PASSIVE | 355 | 10 | 6 | 35 | 1 | 1 | 2 | 0.063 | 5 | 0 | 0.040 | 0.029 |
| 193547A | 017370 | MN | BROWN | Essig W St/Twp 131 | ESSIG | PASSIVE | 780 | 10 | 6 | 35 | 1 | 1 | 2 | 0.084 | 5 | 0 | 0.050 | 0.036 |
| 193548G | 017510 | MN | BROWN | TWP 141 | ESSIG | PASSIVE | 55 | 10 | 6 | 35 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 193577S | 17670 | MN | BROWN | CO RD 10 | SLEEPY EYE | PASSIVE | 160 | 10 | 6 | 35 | 1 | 1 | 2 | 0.047 | 5 | 0 | 0.032 | 0.023 |
| 193578Y | 017780 | MN | BROWN | TWP 225 | ESSIG | PASSIVE | 116 | 10 | 6 | 35 | 1 | 2 | 2 | 0.023 | 5 | 1 | 0.070 | 0.050 |
| 193558M | 017970 | MN | BROWN | 1ST AVE. | SLEEPY EYE | FLASHING LIGHTS | 3100 | 10 | 6 | 20 | 4 | 1 | 2 | 0.173 | 5 | 0 | 0.082 | 0.043 |
| 193557F | 017980 | MN | BROWN | 2ND AVE | SLEEPY EYE | FLASHING LIGHTS | 380 | 10 | 6 | 20 | 4 | 1 | 2 | 0.073 | 5 | 0 | 0.045 | 0.024 |
| 193584C | 017990 | MN | BROWN | 4TH AVE SE/ CSAH | SLEEPY EYE | PASSIVE | 900 | 10 | 6 | 20 | 1 | 1 | 2 | 0.079 | 5 | 0 | 0.048 | 0.034 |
| 193553D | 018040 | MN | BROWN | 9TH AVE SE | SLEEPY EYE | PASSIVE | 580 | 10 | 6 | 20 | 1 | 1 | 2 | 0.067 | 5 | 1 | 0.116 | 0.083 |
| 193554K | 018090 | MN | BROWN | Golf Course/Twp 218 | SLEEPY EYE | PASSIVE | 55 | 10 | 6 | 20 | 1 | 2 | 2 | 0.015 | 5 | 0 | 0.012 | 0.008 |

Pre-Construction Accident Prediction Summary
Minnesota 100 MNT
Alternative B

| FRA ID | MILEPOST | STATE | COUNTY | STREET | CITY | EXISTING DEVICE | ADT c | TRNS PER DAY t | NO. THRU TRNS/DAY DAYLIGHT d | MAX. TT SPEED (MPH) | NO. MAIN TRKS | HWY PAVED YES=1 NO=2 | NO. HWY LANES | BASIC FORMULA INITIAL (ACCIDENTS/YR) a | NO. YRS T | NO. OBSERVED ACCIDENTS 1993-1997 N | PREDICTED ACCIDENTS PER YR B | Estimated Annual Accident Frequency A |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 193588E | 018280 | MN | BROWN | TWP 138 | SLEEPY EYE | PASSIVE | 40 | 10 | 6 | 35 | 1 | 2 | 2 | 0.015 | 5 | 0 | 0.012 | 0.008 |
| 193589L | 018380 | MN | BROWN | CO RD 8 | SLEEPY EYE | PASSIVE | 600 | 10 | 6 | 35 | 1 | 1 | 2 | 0.076 | 5 | 2 | 0.202 | 0.144 |
| 193590F | 018600 | MN | BROWN | CO RD 7 | COBDEN | PASSIVE | 130 | 10 | 6 | 35 | 1 | 1 | 2 | 0.043 | 5 | 0 | 0.030 | 0.021 |
| 193591M | 018610 | MN | BROWN | CENTER ST | COBDEN | PASSIVE | 380 | 10 | 6 | 35 | 1 | 2 | 2 | 0.036 | 5 | 0 | 0.025 | 0.018 |
| 193592U | 018700 | MN | BROWN | TWP 3 | COBDEN | PASSIVE | 48 | 10 | 6 | 35 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.012 | 0.009 |
| 193594H | 018870 | MN | BROWN | TWP 191 | COBDEN | PASSIVE | 55 | 10 | 6 | 35 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 193595P | 018940 | MN | BROWN | MN HWY 258 | SPRINGFIELD | FLASHING LIGHTS | 480 | 10 | 6 | 35 | 1 | 1 | 2 | 0.045 | 5 | 0 | 0.031 | 0.016 |
| 193596W | 019050 | MN | BROWN | TWP 90 | SPRINGFIELD | PASSIVE | 55 | 10 | 6 | 35 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 193610P | 019140 | MN | BROWN | TWP 85 | SPRINGFIELD | PASSIVE | 55 | 10 | 6 | 35 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 911204C | 19260 | MN | BROWN | Cnty Rd 5 | SPRINGFIELD | PASSIVE | 1250 | 10 | 6.25 | 35 | 1 | 1 | 2 | 0.100 | 5 | 1 | 0.143 | 0.102 |
| 193612D | 19270 | MN | BROWN | SANDBORN ST | SPRINGFIELD | PASSIVE | 200 | 10 | 6.25 | 35 | 1 | 2 | 2 | 0.028 | 5 | 0 | 0.020 | 0.014 |
| 193613K | 019290 | MN | BROWN | WASHINGTON AVE. | SPRINGFIELD | PASSIVE | 380 | 10 | 6 | 20 | 1 | 1 | 2 | 0.058 | 5 | 0 | 0.037 | 0.027 |
| 193599S | 019300 | MN | BROWN | LINCOLN ST | SPRINGFIELD | PASSIVE | 380 | 10 | 6 | 20 | 3 | 1 | 2 | 0.058 | 5 | 0 | 0.037 | 0.027 |
| 193614S | 019310 | MN | BROWN | CASS ST | SPRINGFIELD | FLASHING LIGHTS | 1650 | 10 | 6 | 20 | 2 | 1 | 2 | 0.091 | 5 | 0 | 0.053 | 0.028 |
| 193616F | 019330 | MN | BROWN | OCONNELL AVE. | SPRINGFIELD | PASSIVE | 1000 | 10 | 6 | 20 | 3 | 1 | 2 | 0.082 | 5 | 1 | 0.129 | 0.092 |
| 193600J | 019360 | MN | BROWN | BURNS AVE | SPRINGFIELD | PASSIVE | 380 | 10 | 6 | 20 | 1 | 1 | 2 | 0.058 | 5 | 0 | 0.037 | 0.027 |
| 193859H | 019410 | MN | BROWN | CO RD 4 | SPRINGFIELD | FLASHING LIGHTS | 600 | 10 | 6 | 20 | 1 | 1 | 2 | 0.050 | 5 | 0 | 0.033 | 0.018 |
| 193710U | 019760 | MN | REDWOOD | CO RD 2 | SANBORN | PASSIVE | 160 | 10 | 6 | 30 | 1 | 1 | 2 | 0.045 | 5 | 0 | 0.031 | 0.022 |
| 193711B | 020050 | MN | BROWN | TWP 2 | SANBORN | PASSIVE | 56 | 10 | 6 | 20 | 1 | 2 | 2 | 0.016 | 5 | 0 | 0.012 | 0.008 |
| 193664V | 020080 | MN | REDWOOD | TWP 153 | SANBORN | PASSIVE | 146 | 10 | 6 | 20 | 1 | 2 | 2 | 0.022 | 5 | 0 | 0.016 | 0.012 |
| 197897F | 020170 | MN | REDWOOD | MAIN ST. | SANBORN | FLASHING LIGHTS | 1300 | 10 | 6 | 20 | 4 | 1 | 2 | 0.121 | 5 | 0 | 0.065 | 0.035 |
| 197896Y | 020180 | MN | REDWOOD | SOUTH ST. | SANBORN | PASSIVE | 380 | 10 | 6 | 20 | 4 | 2 | 2 | 0.032 | 5 | 0 | 0.022 | 0.016 |
| 193669E | 020260 | MN | REDWOOD | TWP 149 | SANBORN | PASSIVE | 73 | 10 | 6 | 40 | 1 | 2 | 2 | 0.020 | 5 | 0 | 0.015 | 0.011 |
| 193671F | 020370 | MN | REDWOOD | TWP 147 & 148 | SANBORN | PASSIVE | 55 | 10 | 6 | 35 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 197895S | 020880 | MN | REDWOOD | MAIN ST. | LAMBERTON | FLASHING LIGHTS | 380 | 10 | 6 | 35 | 3 | 1 | 2 | 0.060 | 5 | 0 | 0.039 | 0.021 |
| 197894K | 020910 | MN | REDWOOD | ILEX ST./CO RD 6 | LAMBERTON | FLASHING LIGHTS | 1300 | 10 | 6 | 35 | 2 | 1 | 2 | 0.083 | 5 | 0 | 0.050 | 0.026 |
| 193712H | 21090 | MN | REDWOOD | TWP 190 | LAMBERTON | PASSIVE | 55 | 10 | 6 | 35 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 193713P | 021300 | MN | REDWOOD | TWP 184 | REVERE | PASSIVE | 99 | 10 | 6 | 35 | 1 | 2 | 2 | 0.022 | 5 | 0 | 0.016 | 0.011 |
| 197789J | 021370 | MN | REDWOOD | MAIN ST./CO RD 127 | REVERE | FLASHING LIGHTS | 510 | 10 | 6 | 35 | 2 | 1 | 2 | 0.056 | 5 | 0 | 0.037 | 0.019 |
| 193714W | 021410 | MN | REDWOOD | CO RD 7 | REVERE | PASSIVE | 320 | 10 | 6 | 35 | 1 | 1 | 2 | 0.061 | 5 | 0 | 0.039 | 0.028 |
| 193715D | 021500 | MN | REDWOOD | TWP 178 | REVERE | PASSIVE | 55 | 10 | 6 | 35 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 193716K | 021610 | MN | REDWOOD | CO RD 10 | WALNUT GROVE | PASSIVE | 125 | 10 | 6 | 35 | 1 | 1 | 2 | 0.043 | 5 | 0 | 0.029 | 0.021 |
| 193717S | 021710 | MN | REDWOOD | TWP 127 | WALNUT GROVE | PASSIVE | 44 | 10 | 6 | 35 | 1 | 2 | 2 | 0.016 | 5 | 0 | 0.012 | 0.009 |
| 193718Y | 021810 | MN | REDWOOD | CO RD 80 | WALNUT GROVE | PASSIVE | 530 | 10 | 6 | 35 | 1 | 1 | 2 | 0.073 | 5 | 0 | 0.045 | 0.032 |
| 193719F | 021880 | MN | REDWOOD | 1ST ST | WALNUT GROVE | PASSIVE | 49 | 10 | 6 | 35 | 1 | 2 | 2 | 0.017 | 5 | 1 | 0.062 | 0.045 |
| 197893D | 021900 | MN | REDWOOD | 6TH ST. | WALNUT GROVE | FLASHING LIGHTS | 900 | 10 | 6 | 35 | 2 | 1 | 2 | 0.071 | 5 | 0 | 0.044 | 0.023 |
| Segment 5 Walnut Grove to Tracy MP 219 to 226.6 | | | | | | | | | | | | | | | | | | |
| 197892W | 21920 | MN | REDWOOD | CO RD 5 | WALNUT GROVE | FLASHING LIGHTS | 1000 | 8 | 5 | 35 | 2 | 1 | 2 | 0.066 | 5 | 0 | 0.042 | 0.022 |
| 193721G | 022110 | MN | REDWOOD | CO RD 75 | WALNUT GROVE | PASSIVE | 40 | 8 | 5 | 35 | 1 | 2 | 2 | 0.014 | 5 | 0 | 0.010 | 0.007 |
| 193692Y | 022220 | MN | REDWOOD | TWP 160 | WALNUT GROVE | PASSIVE | 40 | 8 | 5 | 35 | 1 | 2 | 2 | 0.014 | 5 | 0 | 0.010 | 0.007 |
| 193694M | 022320 | MN | REDWOOD | TWP 158 | WALNUT GROVE | PASSIVE | 55 | 8 | 5 | 35 | 1 | 2 | 2 | 0.015 | 5 | 0 | 0.012 | 0.008 |
| 193696B | 022410 | MN | REDWOOD | TWP 154 (County Line) | TRACY | PASSIVE | 55 | 8 | 5 | 20 | 1 | 2 | 2 | 0.014 | 5 | 0 | 0.010 | 0.007 |
| 193697H | 022510 | MN | REDWOOD | TWP 18 | TRACY | PASSIVE | 37 | 8 | 5 | 20 | 1 | 2 | 2 | 0.012 | 5 | 0 | 0.009 | 0.006 |
| 193722N | 022650 | MN | LYON | CENTER ST | TRACY | GATES | 1450 | 8 | 5 | 30 | 5 | 1 | 4 | 0.084 | 5 | 0 | 0.050 | 0.025 |
| 193741T | 022660 | MN | LYON | 4TH ST. | TRACY | GATES | 2200 | 8 | 5 | 30 | 2 | 1 | 2 | 0.046 | 5 | 1 | 0.096 | 0.047 |
| Segment 6 Brookings to Tracy MP 226.6 to 290.0 | | | | | | | | | | | | | | | | | | |
| 193742A | 022720 | MN | LYON | HIGHLINE RD 73 | TRACY | PASSIVE | 650 | 10 | 6 | 30 | 1 | 1 | 2 | 0.076 | 5 | 0 | 0.047 | 0.033 |
| 193699W | 022800 | MN | LYON | CO RD 14 | TRACY | PASSIVE | 320 | 10 | 6 | 30 | 1 | 1 | 2 | 0.058 | 5 | 2 | 0.178 | 0.128 |
| 193700N | 022830 | MN | LYON | TWP 227 | TRACY | PASSIVE | 55 | 10 | 6 | 30 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.013 | 0.009 |

Pre-Construction Accident Prediction Summary
Minnesota 100 MNT
Alternative B

| FRA ID | MILEPOST | STATE | COUNTY | STREET | CITY | EXISTING DEVICE | ADT c | TRNS PER DAY t | NO. THRU TRNS/DAY DAYLIGHT d | MAX. TT SPEED (MPH) | NO. MAIN TRKS | HWY PAVED YES=1 NO=2 | NO. HWY LANES | BASIC FORMULA INITIAL (ACCIDENTS/YR) a | NO. YRS T | NO. OBSERVED ACCIDENTS 1993-1997 N | PREDICTED ACCIDENTS PER YR B | Estimated Annual Accident Frequency A |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 193702C | 022950 | MN | LYON | CO RD 14 | TRACY | PASSIVE | 225 | 10 | 6 | 30 | 1 | 1 | 2 | 0.051 | 5 | 0 | 0.034 | 0.024 |
| 193708T | 023150 | MN | LYON | TWP 217 | GARVIN | PASSIVE | 55 | 10 | 6 | 30 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 193709A | 023250 | MN | LYON | TWP 208 | GARVIN | PASSIVE | 55 | 10 | 6 | 30 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 193810Y | 023350 | MN | LYON | US HWY 59 | GARVIN | FLASHING LIGHTS | 1350 | 10 | 6 | 30 | 1 | 1 | 2 | 0.069 | 5 | 0 | 0.043 | 0.023 |
| 193757P | 023390 | MN | LYON | 1ST ST | GARVIN | PASSIVE | 55 | 10 | 6 | 30 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 193758W | 023450 | MN | LYON | TWP 201 | GARVIN | PASSIVE | 55 | 10 | 6 | 30 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 193759D | 023550 | MN | LYON | TWP 194 | GARVIN | PASSIVE | 55 | 10 | 6 | 30 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 193743G | 023660 | MN | LYON | CO RD 7 | BALATON | PASSIVE | 155 | 10 | 6 | 30 | 1 | 1 | 2 | 0.045 | 5 | 0 | 0.030 | 0.022 |
| 193744N | 023760 | MN | LYON | TWP 190 | BALATON | PASSIVE | 73 | 10 | 6 | 30 | 1 | 2 | 2 | 0.019 | 5 | 0 | 0.014 | 0.010 |
| 193745V | 023860 | MN | LYON | TWP 27 | BALATON | PASSIVE | 5 | 10 | 6 | 30 | 1 | 2 | 2 | 0.007 | 5 | 0 | 0.005 | 0.004 |
| 193797M | 023940 | MN | LYON | 2ND ST. SW | BALATON | FLASHING LIGHTS | 1050 | 10 | 6 | 35 | 2 | 1 | 2 | 0.076 | 5 | 1 | 0.124 | 0.065 |
| 193748R | 023990 | MN | LYON | CO RD 5 | BALATON | FLASHING LIGHTS | 710 | 10 | 6 | 30 | 1 | 1 | 2 | 0.053 | 5 | 0 | 0.035 | 0.019 |
| 193751Y | 024180 | MN | LYON | TWP 14 | BALATON | PASSIVE | 38 | 10 | 6 | 30 | 1 | 2 | 2 | 0.015 | 5 | 0 | 0.011 | 0.008 |
| 193752F | 024230 | MN | LYON | TWP 176 | BALATON | PASSIVE | 45 | 10 | 6 | 30 | 1 | 2 | 2 | 0.016 | 5 | 0 | 0.012 | 0.008 |
| 193753M | 024330 | MN | LYON | TWP 244 | BALATON | PASSIVE | 55 | 10 | 6 | 30 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 193755B | 024440 | MN | LYON | MN HWY 91 | BALATON | FLASHING LIGHTS | 495 | 10 | 6 | 30 | 1 | 1 | 2 | 0.046 | 5 | 0 | 0.031 | 0.016 |
| 193725J | 024590 | MN | LYON | TWP 15 | BALATON | PASSIVE | 55 | 10 | 6 | 30 | 1 | 1 | 2 | 0.030 | 5 | 0 | 0.022 | 0.016 |
| 193726R | 024640 | MN | LYON | CO RD 13 | TYLER | PASSIVE | 50 | 10 | 6 | 30 | 1 | 1 | 2 | 0.029 | 5 | 0 | 0.021 | 0.015 |
| 193730F | 024920 | MN | LYON | TWP 262 | TYLER | PASSIVE | 16 | 10 | 6 | 30 | 1 | 2 | 2 | 0.011 | 5 | 0 | 0.008 | 0.006 |
| 193732U | 024980 | MN | LYON | CO RD 51 | TYLER | PASSIVE | 15 | 10 | 6 | 30 | 1 | 2 | 2 | 0.010 | 5 | 0 | 0.008 | 0.006 |
| 193734H | 025180 | MN | LINCOLN | TWP 82 | TYLER | PASSIVE | 55 | 10 | 6 | 30 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 193736W | 025290 | MN | LINCOLN | CO RD 115 | TYLER | PASSIVE | 380 | 10 | 6 | 30 | 1 | 2 | 2 | 0.034 | 5 | 0 | 0.024 | 0.017 |
| 193798U | 025340 | MN | LINCOLN | WILLOW ST | TYLER | PASSIVE | 380 | 10 | 6 | 30 | 1 | 1 | 2 | 0.062 | 5 | 1 | 0.112 | 0.080 |
| 193799B | 025350 | MN | LINCOLN | TYLER ST | TYLER | GATES | 3150 | 10 | 6 | 30 | 2 | 1 | 2 | 0.056 | 5 | 0 | 0.037 | 0.018 |
| 193800T | 025380 | MN | LINCOLN | CO RD 8 | TYLER | GATES | 1000 | 10 | 6 | 30 | 2 | 1 | 2 | 0.040 | 5 | 0 | 0.028 | 0.014 |
| 193737D | 025490 | MN | LINCOLN | TWP 90 | TYLER | PASSIVE | 59 | 10 | 6 | 30 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 193740L | 025590 | MN | LINCOLN | TWP 96 | TYLER | PASSIVE | 55 | 10 | 6 | 30 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 193761E | 025690 | MN | LINCOLN | CO RD 111 | TYLER | PASSIVE | 95 | 10 | 6 | 30 | 1 | 2 | 2 | 0.020 | 5 | 0 | 0.015 | 0.011 |
| 193762L | 025790 | MN | LINCOLN | TWP 100 | LAKE BENTON | PASSIVE | 55 | 10 | 6 | 30 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 193764A | 025900 | MN | LINCOLN | TWP 104 | LAKE BENTON | PASSIVE | 55 | 10 | 6 | 30 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 193801A | 026160 | MN | LINCOLN | CENTER ST. | LAKE BENTON | GATES | 1100 | 10 | 6 | 30 | 1 | 1 | 2 | 0.035 | 5 | 0 | 0.025 | 0.012 |
| 193802G | 026190 | MN | LINCOLN | BENTON ST. | LAKE BENTON | PASSIVE | 450 | 10 | 6 | 30 | 1 | 1 | 2 | 0.066 | 5 | 1 | 0.115 | 0.083 |
| 193768C | 026330 | MN | LINCOLN | TWP 100 | LAKE BENTON | PASSIVE | 55 | 10 | 6 | 30 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 193769J | 026480 | MN | LINCOLN | TWP 7 | LAKE BENTON | PASSIVE | 55 | 10 | 6 | 30 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 193770D | 026590 | MN | LINCOLN | CO RD 9 | VERDI | FLASHING LIGHTS | 450 | 10 | 6 | 30 | 1 | 1 | 2 | 0.044 | 5 | 0 | 0.030 | 0.016 |
| 193771K | 026730 | MN | LINCOLN | TWP 125 | VERDI | PASSIVE | 50 | 10 | 6 | 30 | 1 | 2 | 2 | 0.016 | 5 | 0 | 0.012 | 0.009 |
| 193773Y | 026750 | MN | LINCOLN | CO RD 9 | VERDI | PASSIVE | 150 | 10 | 6 | 30 | 1 | 1 | 2 | 0.044 | 5 | 0 | 0.030 | 0.021 |
| 193772S | 026780 | MN | LINCOLN | MAIN STREET | VERDI | PASSIVE | 23 | 10 | 6 | 30 | 1 | 2 | 2 | 0.012 | 5 | 0 | 0.009 | 0.007 |
| 193776U | 026830 | MN | LINCOLN | CO RD 2 | VERDI | PASSIVE | 75 | 10 | 6 | 30 | 1 | 1 | 2 | 0.034 | 5 | 0 | 0.024 | 0.017 |
| 193780J | 026940 | MN | LINCOLN | TWP 132 | VERDI | PASSIVE | 720 | 10 | 6 | 30 | 1 | 2 | 2 | 0.043 | 5 | 0 | 0.030 | 0.021 |
| 193782X | 27040 | MN | LINCOLN | TWP 133 | VERDI | PASSIVE | 40 | 10 | 6 | 30 | 1 | 2 | 2 | 0.015 | 5 | 0 | 0.011 | 0.008 |
| 193783E | 027140 | MN | LINCOLN | CO RD 1 | ELKTON | PASSIVE | 110 | 10 | 6 | 30 | 1 | 1 | 2 | 0.039 | 5 | 0 | 0.027 | 0.019 |
| 193784L | 027250 | MN | LINCOLN | TWP 138 | ELKTON | PASSIVE | 44 | 10 | 6 | 30 | 1 | 2 | 2 | 0.015 | 5 | 0 | 0.012 | 0.008 |

Post-Construction Accident Prediction Summary
Minnesota 100 MNT
Alternative B

| FRA ID | MILEPOST | STATE | COUNTY | STREET | CITY | EXISTING | PROPOSED | ADT c | TRNS PER DAY t | NO. THRU TRNS/DAY DAYLIGHT d | MAX. TT SPEED (MPH) | NO. MAIN TRKS | HWY PAVED YES=1 NO=2 | NO. HWY LANES | BASIC FORMULA INITIAL (ACCIDENTS/YR) a | NO. YRS T | NO. OBSERVED ACCIDENTS 1993-1997 N | PREDICTED ACCIDENTS PER YR B | Estimated Annual Accident Frequency A |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Segment 1 Winona to Lewiston MP 0 to 18.4** | | | | | | | | | | | | | | | | | | | |
| 19317H | 520 | MN | WINONA | Martina & 11th St. | WINONA | PASSIVE | PASSIVE | 460 | 37 | 23.13 | 49 | 2 | 2 | 1 | 0.087 | 5 | 0 | 0.051 | 0.037 |
| 193197K | 620 | MN | WINONA | Canton Mills | WINONA | PASSIVE | PASSIVE | 100 | 37 | 23.13 | 49 | 2 | 2 | 1 | 0.049 | 5 | 0 | 0.033 | 0.024 |
| 193200R | 000860 | MN | WINONA | CNTY RD 23 | MINNESOTA CITY | FLASHING LIGHTS | FLASHING LIGHTS | 2500 | 37 | 23 | 49 | 2 | 1 | 2 | 0.214 | 5 | 0 | 0.092 | 0.049 |
| 193176S | 000930 | MN | WINONA | CNTY RD 6 | STOCKTON | PASSIVE | PASSIVE | 55 | 37 | 23 | 49 | 2 | 2 | 2 | 0.040 | 5 | 0 | 0.027 | 0.020 |
| 193201X | 001110 | MN | WINONA | MAIN ST/CO RD 23 | STOCKTON | FLASHING LIGHTS | FLASHING LIGHTS | 1750 | 37 | 23 | 49 | 1 | 1 | 2 | 0.153 | 5 | 0 | 0.076 | 0.040 |
| 193206G | 001680 | MN | WINONA | DUTCHMAN/ TWP 1 | LEWISTON | PASSIVE | PASSIVE | 55 | 37 | 23 | 25 | 1 | 2 | 2 | 0.033 | 5 | 0 | 0.023 | 0.017 |
| 193207N | 001780 | MN | WINONA | CO RD 25 | LEWISTON | FLASHING LIGHTS | FLASHING LIGHTS | 1850 | 37 | 23 | 49 | 1 | 1 | 2 | 0.156 | 5 | 0 | 0.077 | 0.041 |
| 193209C | 001840 | MN | WINONA | FREMONT STREET | LEWISTON | GATES | GATES | 1700 | 37 | 23 | 49 | 2 | 1 | 2 | 0.087 | 5 | 0 | 0.051 | 0.025 |
| **Segment 2 Lewiston to Owatonna MP 18.4 to 88.1** | | | | | | | | | | | | | | | | | | | |
| 193210W | 1900 | MN | WINONA | Golf Crossing | UTICA | PASSIVE | PASSIVE | 55 | 37 | 23.13 | 49 | 1 | 2 | 1 | 0.040 | 5 | 0 | 0.027 | 0.020 |
| 193211D | 002090 | MN | WINONA | TWP 13 | UTICA | PASSIVE | PASSIVE | 55 | 37 | 23 | 49 | 1 | 2 | 2 | 0.040 | 5 | 0 | 0.027 | 0.020 |
| 193247L | 002190 | MN | WINONA | CO RD 18 | UTICA | PASSIVE | PASSIVE | 200 | 37 | 23 | 49 | 1 | 1 | 2 | 0.116 | 5 | 0 | 0.063 | 0.045 |
| 193248T | 002270 | MN | WINONA | CENTER STREET | UTICA | FLASHING LIGHTS | FLASHING LIGHTS | 950 | 37 | 23 | 49 | 1 | 1 | 2 | 0.119 | 5 | 2 | 0.248 | 0.131 |
| 193249A | 2300 | MN | WINONA | 2nd. Avenue | UTICA | PASSIVE | PASSIVE | 39 | 37 | 23.13 | 49 | 1 | 2 | 1 | 0.035 | 5 | 0 | 0.024 | 0.017 |
| 193250U | 002400 | MN | WINONA | TWP 5 | UTICA | PASSIVE | PASSIVE | 55 | 37 | 23 | 49 | 1 | 2 | 2 | 0.040 | 5 | 0 | 0.027 | 0.020 |
| 193251B | 2540 | MN | WINONA | Co Rd 37 | UTICA | PASSIVE | PASSIVE | 180 | 37 | 23 | 49 | 1 | 2 | 2 | 0.061 | 5 | 0 | 0.039 | 0.028 |
| 193253P | 002650 | MN | WINONA | Twp 13 | ST CHARLES | PASSIVE | PASSIVE | 55 | 37 | 23 | 49 | 1 | 2 | 2 | 0.040 | 5 | 0 | 0.027 | 0.020 |
| 193193H | 2780 | MN | WINONA | Terry Drive | ST CHARLES | PASSIVE | PASSIVE | 500 | 37 | 23.13 | 49 | 2 | 2 | 2 | 0.089 | 5 | 0 | 0.053 | 0.038 |
| 193254W | 002820 | MN | WINONA | RICHLAND AVE | ST CHARLES | PASSIVE | PASSIVE | 380 | 37 | 23 | 49 | 2 | 1 | 2 | 0.147 | 5 | 0 | 0.074 | 0.053 |
| 193255D | 002840 | MN | WINONA | WHITEWATER | ST CHARLES | GATES | GATES | 4050 | 37 | 23 | 49 | 2 | 1 | 4 | 0.149 | 5 | 0 | 0.075 | 0.037 |
| 193256K | 002850 | MN | WINONA | ST. CHARLES AVE | ST CHARLES | PASSIVE | PASSIVE | 780 | 37 | 23 | 49 | 1 | 1 | 2 | 0.191 | 5 | 0 | 0.087 | 0.062 |
| 193257S | 002870 | MN | WINONA | W. 11TH STREET | ST CHARLES | PASSIVE | PASSIVE | 480 | 37 | 23 | 49 | 1 | 1 | 2 | 0.160 | 5 | 0 | 0.078 | 0.056 |
| 193194P | 2900 | MN | WINONA | Co Rd 126/West End | ST CHARLES | PASSIVE | PASSIVE | 380 | 37 | 23 | 49 | 2 | 1 | 2 | 0.147 | 5 | 0 | 0.074 | 0.053 |
| 193258Y | 003010 | MN | OLMSTED | TWP 668 | ST CHARLES | PASSIVE | PASSIVE | 25 | 37 | 23 | 49 | 2 | 2 | 2 | 0.030 | 5 | 0 | 0.021 | 0.015 |
| 193259F | 003040 | MN | OLMSTED | 19TH AVE/ TWP 591 | DOVER | PASSIVE | PASSIVE | 25 | 37 | 23 | 49 | 2 | 2 | 2 | 0.030 | 5 | 0 | 0.021 | 0.015 |
| 193195W | 003090 | MN | OLMSTED | TWP 667 | DOVER | PASSIVE | PASSIVE | 25 | 37 | 23 | 49 | 2 | 2 | 1 | 0.030 | 5 | 0 | 0.021 | 0.015 |
| 193260A | 003220 | MN | OLMSTED | CHATFIELD ST | DOVER | FLASHING LIGHTS | FLASHING LIGHTS | 1300 | 37 | 23 | 49 | 1 | 1 | 2 | 0.135 | 5 | 1 | 0.166 | 0.088 |
| 193261G | 003420 | MN | OLMSTED | CSAH 32 | DOVER | PASSIVE | PASSIVE | 200 | 37 | 23 | 49 | 1 | 2 | 2 | 0.064 | 5 | 0 | 0.041 | 0.029 |
| 193262N | 003530 | MN | OLMSTED | 140 AVE SE/TWP 90 | EYOTA | PASSIVE | PASSIVE | 50 | 37 | 23 | 49 | 1 | 2 | 2 | 0.038 | 5 | 0 | 0.026 | 0.019 |
| 193263V | 003680 | MN | OLMSTED | Center Ave/ CSAH 7 | EYOTA | GATES | GATES | 2300 | 37 | 23 | 49 | 3 | 1 | 4 | 0.146 | 5 | 0 | 0.074 | 0.036 |
| 193289X | 006130 | MN | DODGE | CO RD 15 | BYRON | PASSIVE | PASSIVE | 670 | 37 | 23 | 49 | 2 | 1 | 2 | 0.181 | 5 | 1 | 0.191 | 0.137 |
| 193290S | 006230 | MN | DODGE | TWP 30 | KASSON | PASSIVE | PASSIVE | 55 | 37 | 23 | 49 | 2 | 2 | 2 | 0.040 | 5 | 0 | 0.027 | 0.020 |
| 193291Y | 006350 | MN | DODGE | MANTORVILLE AVE. | KASSON | GATES | GATES | 2750 | 37 | 23 | 49 | 2 | 1 | 2 | 0.100 | 5 | 0 | 0.057 | 0.028 |
| 193292F | 006360 | MN | DODGE | SECOND AVE S.W. | KASSON | PASSIVE | PASSIVE | 610 | 37 | 23 | 49 | 2 | 1 | 2 | 0.175 | 5 | 0 | 0.082 | 0.059 |
| 193293M | 006370 | MN | DODGE | THIRD AVE SW | KASSON | PASSIVE | PASSIVE | 360 | 37 | 23 | 49 | 2 | 1 | 2 | 0.144 | 5 | 0 | 0.073 | 0.052 |
| 193294U | 006430 | MN | DODGE | EIGHTH AVE. S.W. | KASSON | PASSIVE | PASSIVE | 860 | 37 | 23 | 49 | 3 | 1 | 2 | 0.198 | 5 | 0 | 0.088 | 0.063 |
| 196630L | 006520 | MN | DODGE | US HWY 14 | KASSON | FLASHING LIGHTS | FLASHING LIGHTS | 7900 | 37 | 23 | 49 | 2 | 1 | 2 | 0.344 | 5 | 0 | 0.116 | 0.061 |
| 193296H | 006530 | MN | DODGE | CO RD 34/ TWP 134 | KASSON | PASSIVE | PASSIVE | 60 | 37 | 23 | 49 | 2 | 2 | 2 | 0.041 | 5 | 0 | 0.028 | 0.020 |
| 193357W | 006630 | MN | DODGE | CO RD 9 | KASSON | PASSIVE | PASSIVE | 540 | 37 | 23 | 49 | 2 | 1 | 2 | 0.167 | 5 | 0 | 0.080 | 0.057 |
| 193358D | 006740 | MN | DODGE | TWP 139 | DODGE CENTER | PASSIVE | PASSIVE | 45 | 37 | 23 | 49 | 1 | 2 | 2 | 0.037 | 5 | 0 | 0.026 | 0.018 |
| 193359K | 006840 | MN | DODGE | AIRPORT DRIVE S. | DODGE CENTER | PASSIVE | PASSIVE | 135 | 37 | 23 | 49 | 2 | 1 | 2 | 0.100 | 5 | 0 | 0.057 | 0.041 |
| 193297P | 006890 | MN | DODGE | 4TH AVE. S.E. | DODGE CENTER | PASSIVE | PASSIVE | 380 | 37 | 23 | 49 | 1 | 2 | 2 | 0.081 | 5 | 2 | 0.207 | 0.148 |
| 193360E | 006900 | MN | DODGE | SECOND AVE. S.E. | DODGE CENTER | PASSIVE | PASSIVE | 380 | 37 | 23 | 49 | 2 | 1 | 2 | 0.147 | 5 | 0 | 0.074 | 0.053 |
| 193361L | 006910 | MN | DODGE | FIRST AVE. S.E. | DODGE CENTER | PASSIVE | PASSIVE | 380 | 37 | 23 | 49 | 1 | 1 | 2 | 0.147 | 5 | 0 | 0.074 | 0.053 |
| 193298W | 006920 | MN | DODGE | CENTRAL AVE | DODGE CENTER | PASSIVE | PASSIVE | 380 | 37 | 23 | 49 | 2 | 1 | 2 | 0.147 | 5 | 1 | 0.173 | 0.124 |
| 193362T | 006930 | MN | DODGE | FIRST AVE S.W. | DODGE CENTER | PASSIVE | PASSIVE | 380 | 37 | 23 | 49 | 1 | 1 | 2 | 0.147 | 5 | 0 | 0.074 | 0.053 |
| 193299D | 006940 | MN | DODGE | 2ND AVE. S.W. | DODGE CENTER | PASSIVE | PASSIVE | 380 | 37 | 23 | 49 | 1 | 1 | 2 | 0.147 | 5 | 0 | 0.074 | 0.053 |

Post-Construction Accident Prediction Summary
Minnesota 100 MNT
Alternative B

| FRA ID | MILEPOST | STATE | COUNTY | STREET | CITY | EXISTING | PROPOSED | ADT c | TRNS PER DAY t | NO. THRU TRNS/DAY DAYLIGHT d | MAX. TT SPEED (MPH) | NO. MAIN TRKS | HWY PAVED YES=1 NO=2 | NO. HWY LANES | BASIC FORMULA INITIAL (ACCIDENTS/YR) a | NO. YRS T | NO. OBSERVED ACCIDENTS 1993-1997 N | PREDICTED ACCIDENTS PER YR B | Estimated Annual Accident Frequency A |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 193363A | 006950 | MN | DODGE | THIRD AVE N.W. | DODGE CENTER | FLASHING LIGHTS | FLASHING LIGHTS | 3300 | 37 | 23 | 49 | 1 | 1 | 2 | 0.198 | 5 | 1 | 0.199 | 0.105 |
| 193300V | 007000 | MN | DODGE | CO RD H | DODGE CENTER | PASSIVE | PASSIVE | 500 | 37 | 23 | 49 | 1 | 1 | 2 | 0.162 | 5 | 0 | 0.079 | 0.056 |
| 193364G | 007140 | MN | DODGE | TWP 145 | DODGE CENTER | PASSIVE | PASSIVE | 55 | 37 | 23 | 49 | 1 | 2 | 2 | 0.040 | 5 | 0 | 0.027 | 0.020 |
| 193303R | 7190 | MN | DODGE | Twp 153 | DODGE CENTER | PASSIVE | PASSIVE | 10 | 37 | 23 | 49 | 1 | 2 | 2 | 0.021 | 5 | 0 | 0.016 | 0.011 |
| 193365N | 007270 | MN | DODGE | CO RD 5 | CLAREMONT | PASSIVE | PASSIVE | 310 | 37 | 23 | 49 | 1 | 1 | 2 | 0.136 | 5 | 0 | 0.070 | 0.050 |
| 193366V | 007320 | MN | DODGE | TWP 180 | CLAREMONT | PASSIVE | PASSIVE | 49 | 37 | 23 | 49 | 1 | 2 | 2 | 0.038 | 5 | 0 | 0.026 | 0.019 |
| 193367C | 7370 | MN | DODGE | TWP 154 | CLAREMONT | PASSIVE | PASSIVE | 55 | 37 | 23 | 49 | 1 | 2 | 2 | 0.040 | 5 | 0 | 0.027 | 0.020 |
| 193368J | 007480 | MN | DODGE | TWP 157 | CLAREMONT | PASSIVE | PASSIVE | 55 | 37 | 23 | 49 | 2 | 2 | 2 | 0.040 | 5 | 0 | 0.027 | 0.020 |
| 193369R | 007580 | MN | DODGE | CO RD 3 | CLAREMONT | PASSIVE | PASSIVE | 570 | 37 | 23 | 49 | 2 | 1 | 2 | 0.170 | 5 | 0 | 0.081 | 0.058 |
| 193370K | 007640 | MN | DODGE | ELM | CLAREMONT | PASSIVE | PASSIVE | 380 | 37 | 23 | 49 | 2 | 2 | 1 | 0.081 | 5 | 0 | 0.049 | 0.035 |
| 193371S | 007680 | MN | DODGE | CO RD 1 | CLAREMONT | PASSIVE | PASSIVE | 550 | 37 | 23 | 49 | 2 | 1 | 2 | 0.168 | 5 | 1 | 0.185 | 0.132 |
| 193307T | 007780 | MN | DODGE | TWP 171 | CLAREMONT | PASSIVE | PASSIVE | 55 | 37 | 23 | 49 | 2 | 2 | 2 | 0.040 | 5 | 0 | 0.027 | 0.020 |
| 193372Y | 007980 | MN | STEELE | CO RD 16/ SE 84 AVE | CLAREMONT | PASSIVE | PASSIVE | 175 | 37 | 23 | 49 | 1 | 1 | 2 | 0.110 | 5 | 0 | 0.061 | 0.044 |
| 193373F | 008090 | MN | STEELE | SE 74TH AVE | CLAREMONT | PASSIVE | PASSIVE | 55 | 37 | 23 | 49 | 1 | 2 | 2 | 0.040 | 5 | 0 | 0.027 | 0.020 |
| 193311H | 8130 | MN | STEELE | SE 28th Ave | CLAREMONT | PASSIVE | PASSIVE | 55 | 37 | 23.13 | 49 | 1 | 2 | 2 | 0.040 | 5 | 0 | 0.027 | 0.020 |
| 193374M | 008180 | MN | STEELE | SE 64TH STREET | OWATONNA | PASSIVE | PASSIVE | 80 | 37 | 23 | 49 | 1 | 2 | 2 | 0.045 | 5 | 0 | 0.031 | 0.022 |
| 193375U | 008290 | MN | STEELE | US HWY 14 | OWATONNA | FLASHING LIGHTS | FLASHING LIGHTS | 4700 | 37 | 23 | 49 | 1 | 1 | 4 | 0.330 | 5 | 1 | 0.245 | 0.130 |
| 193376B | 008390 | MN | STEELE | SE 44 AVE/ CO RD 59 | OWATONNA | PASSIVE | PASSIVE | 365 | 37 | 23 | 49 | 1 | 1 | 2 | 0.145 | 5 | 0 | 0.073 | 0.052 |
| 193312P | 008500 | MN | STEELE | SE 34TH AVE | OWATONNA | PASSIVE | PASSIVE | 55 | 37 | 23 | 49 | 2 | 2 | 2 | 0.040 | 5 | 0 | 0.027 | 0.020 |
| 193377H | 008540 | MN | STEELE | CO RD 71 | OWATONNA | PASSIVE | PASSIVE | 155 | 37 | 23 | 49 | 2 | 1 | 2 | 0.105 | 5 | 0 | 0.059 | 0.042 |
| 193382E | 8740 | MN | STEELE | RICE LAKE STREET | OWATONNA | FLASHING LIGHTS | FLASHING LIGHTS | 1500 | 37 | 23 | 49 | 1 | 1 | 2 | 0.143 | 5 | 0 | 0.073 | 0.039 |
| 380294J | 8750 | MN | STEELE | E. Vine St | OWATONNA | PASSIVE | PASSIVE | 200 | 37 | 23.125 | 49 | 1 | 1 | 2 | 0.116 | 5 | 0 | 0.063 | 0.045 |
| 187034M | 8760 | MN | STEELE | Chestnut St | OWATONNA | PASSIVE | PASSIVE | 200 | 37 | 23.125 | 49 | 1 | 2 | 1 | 0.064 | 5 | 0 | 0.041 | 0.029 |
| 187033F | 008776 | MN | STEELE | ROSE ST | OWATONNA | GATES | GATES | 3515 | 37 | 23 | 49 | 1 | 1 | 2 | 0.092 | 5 | 0 | 0.054 | 0.027 |
| 187032Y | 8780 | MN | STEELE | Pine Ave | OWATONNA | GATES | GATES | 2000 | 37 | 23.125 | 49 | 1 | 1 | 2 | 0.078 | 5 | 0 | 0.048 | 0.023 |
| **Segment 3 Owatonna to Waseca MP 88.1 to 102.5** | | | | | | | | | | | | | | | | | | | |
| 193383L | 8830 | MN | STEELE | ELM AVE | OWATONNA | FLASHING LIGHTS | FLASHING LIGHTS | 2515 | 37 | 23 | 49 | 4 | 1 | 4 | 0.454 | 5 | 0 | 0.129 | 0.068 |
| 193384T | 008840 | MN | STEELE | CEDAR AVE | OWATONNA | FLASHING LIGHTS | FLASHING LIGHTS | 6800 | 37 | 23 | 49 | 3 | 1 | 4 | 0.564 | 5 | 0 | 0.139 | 0.073 |
| 193388V | 008890 | MN | STEELE | STATE AVE | OWATONNA | FLASHING LIGHTS | FLASHING LIGHTS | 5600 | 37 | 23 | 49 | 1 | 1 | 2 | 0.246 | 5 | 0 | 0.099 | 0.053 |
| 193390W | 008950 | MN | STEELE | PARK DRIVE | OWATONNA | FLASHING LIGHTS | FLASHING LIGHTS | 125 | 37 | 23 | 49 | 1 | 1 | 2 | 0.052 | 5 | 0 | 0.034 | 0.018 |
| 193391D | 008970 | MN | STEELE | 24TH AVE. N.W. | OWATONNA | FLASHING LIGHTS | FLASHING LIGHTS | 2700 | 37 | 23 | 49 | 1 | 1 | 2 | 0.183 | 5 | 1 | 0.192 | 0.102 |
| 193392K | 009030 | MN | STEELE | 32ND AVE/ TWP 229 | OWATONNA | PASSIVE | PASSIVE | 70 | 37 | 23 | 49 | 1 | 2 | 2 | 0.043 | 5 | 1 | 0.093 | 0.067 |
| 193394Y | 9250 | MN | STEELE | 52 AVE SW/ CO RD 17 | OWATONNA | PASSIVE | PASSIVE | 290 | 37 | 23 | 49 | 2 | 1 | 4 | 0.133 | 5 | 0 | 0.069 | 0.050 |
| 193395F | 9350 | MN | STEELE | NW 62ND AVE | OWATONNA | PASSIVE | PASSIVE | 100 | 37 | 23 | 49 | 2 | 1 | 4 | 0.090 | 5 | 0 | 0.053 | 0.038 |
| 193397U | 009640 | MN | STEELE | SW 92ND AVE | MERIDEN | PASSIVE | PASSIVE | 555 | 37 | 23 | 49 | 2 | 1 | 2 | 0.169 | 5 | 1 | 0.185 | 0.132 |
| 193398B | 009780 | MN | WASECA | 178TH ST/ TWP 128 | MERIDEN | PASSIVE | PASSIVE | 55 | 37 | 23 | 49 | 2 | 2 | 2 | 0.040 | 5 | 2 | 0.151 | 0.108 |
| 193399H | 009930 | MN | WASECA | GOOSE LAKE XING | WASECA | PASSIVE | PASSIVE | 10 | 37 | 23 | 49 | 1 | 2 | 1 | 0.021 | 5 | 0 | 0.016 | 0.011 |
| 193400A | 010090 | MN | WASECA | 145TH ST/ CO RD 5 | WASECA | PASSIVE | PASSIVE | 500 | 37 | 23 | 49 | 1 | 1 | 2 | 0.162 | 5 | 0 | 0.079 | 0.056 |
| 193403V | 010180 | MN | WASECA | 8TH STREET S.E. | WASECA | FLASHING LIGHTS | FLASHING LIGHTS | 2000 | 37 | 23 | 49 | 1 | 1 | 2 | 0.161 | 5 | 0 | 0.078 | 0.042 |
| 193404C | 010200 | MN | WASECA | 7TH STREET SE | WASECA | PASSIVE | PASSIVE | 200 | 37 | 23 | 49 | 1 | 1 | 2 | 0.116 | 5 | 1 | 0.154 | 0.110 |
| 193405J | 010220 | MN | WASECA | 5TH ST. SE | WASECA | PASSIVE | PASSIVE | 2700 | 37 | 23 | 49 | 1 | 1 | 2 | 0.303 | 5 | 0 | 0.110 | 0.078 |
| 193406R | 010250 | MN | WASECA | STATE ST. | WASECA | FLASHING LIGHTS | FLASHING LIGHTS | 7900 | 37 | 23 | 49 | 1 | 1 | 2 | 0.284 | 5 | 0 | 0.106 | 0.056 |
| **Segment 4 Waseca to Walnut Grove MP 102.5 to 219** | | | | | | | | | | | | | | | | | | | |
| 193314D | 010260 | MN | WASECA | 2ND ST. S.W. | WASECA | FLASHING LIGHTS | FLASHING LIGHTS | 1050 | 37 | 23 | 49 | 1 | 1 | 2 | 0.124 | 5 | 0 | 0.066 | 0.035 |
| 193315K | 010270 | MN | WASECA | 4TH ST. S.W. | WASECA | GATES | GATES | 2700 | 37 | 23 | 49 | 3 | 1 | 2 | 0.115 | 5 | 0 | 0.063 | 0.031 |
| 193317Y | 010340 | MN | WASECA | CO RD 57 | WASECA | FLASHING LIGHTS | FLASHING LIGHTS | 650 | 37 | 23 | 49 | 2 | 1 | 2 | 0.123 | 5 | 0 | 0.066 | 0.035 |
| 193318F | 010380 | MN | WASECA | Brown St/ CO RD 2 | WASECA | FLASHING LIGHTS | FLASHING LIGHTS | 2600 | 37 | 23 | 49 | 2 | 1 | 2 | 0.218 | 5 | 1 | 0.208 | 0.110 |
| 193320G | 010460 | MN | WASECA | Airport/ CO RD 27 | WASECA | PASSIVE | PASSIVE | 810 | 37 | 23 | 49 | 2 | 1 | 2 | 0.194 | 5 | 0 | 0.087 | 0.063 |

Post-Construction Accident Prediction Summary
Minnesota 100 MNT
Alternative B

| FRA ID | MILEPOST | STATE | COUNTY | STREET | CITY | EXISTING | PROPOSED | ADT c | TRNS PER DAY t | NO. THRU TRNS/DAY DAYLIGHT d | MAX. TT SPEED (MPH) | NO. MAIN TRKS | HWY PAVED YES=1 NO=2 | NO. HWY LANES | BASIC FORMULA INITIAL (ACCIDENTS/YR) a | NO. YRS T | NO. OBSERVED ACCIDENTS 1993-1997 N | PREDICTED ACCIDENTS PER YR B | Estimated Annual Accident Frequency A |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 193322V | 010620 | MN | WASECA | CO RD 52/ 95TH ST | WASECA | PASSIVE | PASSIVE | 55 | 37 | 23 | 49 | 2 | 2 | 2 | 0.040 | 5 | 0 | 0.027 | 0.020 |
| 193324J | 010730 | MN | WASECA | 85TH ST/ TWP 161 | WASECA | PASSIVE | PASSIVE | 55 | 37 | 23 | 49 | 2 | 2 | 2 | 0.040 | 5 | 0 | 0.027 | 0.020 |
| 193326X | 010850 | MN | WASECA | CO RD 17 | JANESVILLE | PASSIVE | PASSIVE | 190 | 37 | 23 | 49 | 1 | 2 | 2 | 0.062 | 5 | 0 | 0.040 | 0.029 |
| 193328L | 010960 | MN | WASECA | 60TH STREET | JANESVILLE | PASSIVE | PASSIVE | 10 | 37 | 23 | 49 | 1 | 2 | 2 | 0.021 | 5 | 0 | 0.016 | 0.011 |
| 193329T | 11020 | MN | WASECA | Twp 92 | JANESVILLE | PASSIVE | PASSIVE | 20 | 37 | 23.125 | 49 | 1 | 2 | 2 | 0.027 | 5 | 0 | 0.020 | 0.014 |
| 193341A | 011090 | MN | WASECA | CO RD 33 & 66 | JANESVILLE | PASSIVE | PASSIVE | 110 | 37 | 23 | 49 | 1 | 2 | 2 | 0.051 | 5 | 0 | 0.034 | 0.024 |
| 193342G | 11190 | MN | WASECA | County Road 53 | JANESVILLE | PASSIVE | PASSIVE | 100 | 37 | 23.13 | 49 | 1 | 2 | 2 | 0.049 | 5 | 0 | 0.033 | 0.024 |
| 193344V | 011260 | MN | WASECA | TEAL ST | JANESVILLE | PASSIVE | PASSIVE | 1100 | 37 | 23 | 49 | 4 | 1 | 2 | 0.217 | 5 | 0 | 0.093 | 0.067 |
| 193346J | 011280 | MN | WASECA | SOUTH MAIN STREET | JANESVILLE | GATES | GATES | 1900 | 37 | 23 | 49 | 3 | 1 | 2 | 0.104 | 5 | 0 | 0.059 | 0.029 |
| 193348X | 011300 | MN | WASECA | CRAIG ST | JANESVILLE | PASSIVE | PASSIVE | 380 | 37 | 23 | 49 | 1 | 1 | 2 | 0.147 | 5 | 0 | 0.074 | 0.053 |
| 193349E | 011310 | MN | WASECA | S. SKOOKUM ST | JANESVILLE | PASSIVE | PASSIVE | 380 | 37 | 23 | 49 | 1 | 2 | 2 | 0.081 | 5 | 0 | 0.049 | 0.035 |
| 193354B | 011510 | MN | WASECA | CO RD 60 | JANESVILLE | PASSIVE | PASSIVE | 275 | 37 | 23 | 49 | 2 | 1 | 2 | 0.130 | 5 | 1 | 0.163 | 0.117 |
| 193356P | 011630 | MN | WASECA | CO RD 37 | JANESVILLE | PASSIVE | PASSIVE | 565 | 37 | 23 | 49 | 2 | 1 | 2 | 0.170 | 5 | 1 | 0.186 | 0.133 |
| 193407X | 011660 | MN | BLUE EARTH | CO RD 184 | JANESVILLE | PASSIVE | PASSIVE | 235 | 37 | 23 | 49 | 2 | 2 | 2 | 0.068 | 5 | 0 | 0.043 | 0.030 |
| 193410F | 11750 | MN | BLUE EARTH | Twp 313 | JANESVILLE | PASSIVE | PASSIVE | 100 | 37 | 23 | 49 | 2 | 2 | 2 | 0.049 | 5 | 0 | 0.033 | 0.024 |
| 193408E | 011870 | MN | BLUE EARTH | CO RD 185 | EAGLE LAKE | PASSIVE | PASSIVE | 85 | 37 | 23 | 49 | 1 | 2 | 2 | 0.046 | 5 | 0 | 0.031 | 0.022 |
| 193411M | 011980 | MN | BLUE EARTH | TWP 325 | EAGLE LAKE | PASSIVE | PASSIVE | 73 | 37 | 23 | 49 | 1 | 2 | 2 | 0.044 | 5 | 0 | 0.030 | 0.021 |
| 193414H | 012080 | MN | BLUE EARTH | CO RD 332 | EAGLE LAKE | PASSIVE | PASSIVE | 39 | 37 | 23 | 49 | 1 | 1 | 2 | 0.063 | 5 | 0 | 0.040 | 0.029 |
| 193509R | 14720 | MN | BLUE EARTH | Twp. 461 | | PASSIVE | PASSIVE | 100 | 37 | 23.13 | 49 | 2 | 2 | 1 | 0.049 | 5 | 0 | 0.033 | 0.024 |
| 193480V | 14890 | MN | BLUE EARTH | JUDSON FORT RD/ TW | MANKATO | PASSIVE | PASSIVE | 52 | 37 | 23 | 49 | 1 | 2 | 2 | 0.039 | 5 | 0 | 0.027 | 0.019 |
| 193481C | 14980 | MN | BLUE EARTH | CSAH 42 | MANKATO | PASSIVE | PASSIVE | 970 | 37 | 23 | 49 | 2 | 1 | 2 | 0.207 | 5 | 0 | 0.091 | 0.065 |
| 193482J | 14990 | MN | BLUE EARTH | PART ST/ TWP 245 | MANKATO | PASSIVE | PASSIVE | 60 | 37 | 23 | 49 | 3 | 1 | 2 | 0.074 | 5 | 0 | 0.046 | 0.033 |
| 193483R | 15020 | MN | BLUE EARTH | PRAIRIE ST/ TWP 249 | MANKATO | PASSIVE | PASSIVE | 55 | 37 | 23 | 49 | 3 | 2 | 1 | 0.040 | 5 | 0 | 0.027 | 0.020 |
| 193484X | 15630 | MN | BLUE EARTH | CSAH 6 | NEW ULM | PASSIVE | PASSIVE | 160 | 37 | 23 | 49 | 1 | 1 | 2 | 0.107 | 5 | 0 | 0.060 | 0.043 |
| 193485E | 15660 | MN | BLUE EARTH | TWP 236 | NEW ULM | PASSIVE | PASSIVE | 80 | 37 | 23 | 49 | 1 | 1 | 2 | 0.082 | 5 | 0 | 0.050 | 0.035 |
| 193487T | 15810 | MN | BLUE EARTH | CSAH 45 | NEW ULM | FLASHING LIGHTS | FLASHING LIGHTS | 750 | 37 | 23 | 49 | 1 | 1 | 2 | 0.108 | 5 | 0 | 0.060 | 0.032 |
| 193571H | 16060 | MN | BROWN | TWP 97 | NEW ULM | PASSIVE | PASSIVE | 100 | 37 | 23 | 49 | 2 | 2 | 2 | 0.049 | 5 | 0 | 0.033 | 0.024 |
| 193522E | 16270 | MN | BROWN | SHAG RD/ TWP 96 | NEW ULM | PASSIVE | PASSIVE | 115 | 37 | 23 | 49 | 1 | 2 | 2 | 0.052 | 5 | 0 | 0.034 | 0.025 |
| 193523L | 16310 | MN | BROWN | TOWER RD | NEW ULM | PASSIVE | PASSIVE | 50 | 37 | 23 | 49 | 2 | 1 | 2 | 0.069 | 5 | 1 | 0.118 | 0.085 |
| 193488A | 16410 | MN | BROWN | 20TH SOUTH ST. | NEW ULM | FLASHING LIGHTS | FLASHING LIGHTS | 5300 | 37 | 23 | 49 | 2 | 1 | 4 | 0.420 | 5 | 0 | 0.125 | 0.066 |
| 196260K | 16440 | MN | BROWN | SE 16th St | NEW ULM | PASSIVE | PASSIVE | 630 | 37 | 23.13 | 49 | 2 | 2 | 2 | 0.097 | 5 | 0 | 0.056 | 0.040 |
| 196261S | 16460 | MN | BROWN | S 12th St. | NEW ULM | GATES | GATES | 800 | 37 | 23 | 49 | 2 | 1 | 2 | 0.069 | 5 | 0 | 0.043 | 0.021 |
| 193491H | 016490 | MN | BROWN | 7TH SOUTH ST. | NEW ULM | PASSIVE | PASSIVE | 650 | 37 | 23 | 49 | 5 | 1 | 2 | 0.179 | 5 | 0 | 0.083 | 0.060 |
| 193492P | 16520 | MN | BROWN | 3RD SOUTH ST. | NEW ULM | FLASHING LIGHTS | FLASHING LIGHTS | 770 | 37 | 23 | 49 | 6 | 1 | 2 | 0.284 | 5 | 1 | 0.232 | 0.123 |
| 193493W | 016540 | MN | BROWN | 1ST SOUTH ST. | NEW ULM | FLASHING LIGHTS | FLASHING LIGHTS | 1400 | 37 | 23 | 49 | 2 | 1 | 2 | 0.169 | 5 | 0 | 0.081 | 0.043 |
| 193494D | 016550 | MN | BROWN | CENTER ST | NEW ULM | PASSIVE | PASSIVE | 1200 | 37 | 23 | 49 | 3 | 1 | 2 | 0.224 | 5 | 2 | 0.326 | 0.233 |
| 193525A | 16560 | MN | BROWN | FIRST STREET | NEW ULM | PASSIVE | PASSIVE | 630 | 37 | 23 | 49 | 2 | 1 | 2 | 0.177 | 5 | 1 | 0.189 | 0.135 |
| 193537U | 16670 | MN | BROWN | 3RD NORTH ST. | NEW ULM | FLASHING LIGHTS | FLASHING LIGHTS | 1750 | 37 | 23 | 49 | 1 | 1 | 2 | 0.153 | 5 | 1 | 0.177 | 0.093 |
| 193536M | 16680 | MN | BROWN | MINNESOTA ST&17TH | NEW ULM | FLASHING LIGHTS | FLASHING LIGHTS | 970 | 37 | 23 | 49 | 1 | 1 | 2 | 0.120 | 5 | 0 | 0.065 | 0.034 |
| 911203V | 16720 | MN | BROWN | N. 20th St. | NEW ULM | FLASHING LIGHTS | FLASHING LIGHTS | 3500 | 37 | 23.125 | 49 | 1 | 1 | 2 | 0.203 | 5 | 0 | 0.090 | 0.047 |
| 193560N | 16800 | MN | BROWN | BOUNDARY ST./N 23 | NEW ULM | PASSIVE | PASSIVE | 630 | 37 | 23 | 49 | 1 | 2 | 2 | 0.097 | 5 | 1 | 0.141 | 0.101 |
| 193572H | 016950 | MN | BROWN | CO RD 12 | NEW ULM | PASSIVE | PASSIVE | 60 | 37 | 23 | 49 | 1 | 2 | 2 | 0.041 | 5 | 0 | 0.028 | 0.020 |
| 193573P | 017050 | MN | BROWN | TWP 128 | NEW ULM | PASSIVE | PASSIVE | 55 | 37 | 23 | 49 | 1 | 2 | 2 | 0.040 | 5 | 0 | 0.027 | 0.020 |
| 193579F | 017150 | MN | BROWN | TWP 245 | ESSIG | PASSIVE | PASSIVE | 55 | 37 | 23 | 49 | 2 | 2 | 2 | 0.040 | 5 | 0 | 0.027 | 0.020 |
| 193574W | 017250 | MN | BROWN | TWP 238 | ESSIG | PASSIVE | PASSIVE | 40 | 37 | 23 | 49 | 2 | 2 | 2 | 0.035 | 5 | 0 | 0.025 | 0.018 |
| 193546T | 017310 | MN | BROWN | TWP 129 | ESSIG | PASSIVE | PASSIVE | 80 | 37 | 23 | 49 | 2 | 2 | 2 | 0.045 | 5 | 0 | 0.031 | 0.022 |
| 193575D | 017360 | MN | BROWN | CO RD 11/Center St | ESSIG | PASSIVE | PASSIVE | 355 | 37 | 23 | 49 | 2 | 1 | 2 | 0.143 | 5 | 0 | 0.073 | 0.052 |
| 193547A | 017370 | MN | BROWN | Essig W St/Twp 131 | ESSIG | PASSIVE | PASSIVE | 780 | 37 | 23 | 49 | 2 | 1 | 2 | 0.191 | 5 | 0 | 0.087 | 0.062 |
| 193548G | 017510 | MN | BROWN | TWP 141 | ESSIG | PASSIVE | PASSIVE | 55 | 37 | 23 | 49 | 1 | 2 | 2 | 0.040 | 5 | 0 | 0.027 | 0.020 |
| 193577S | 17670 | MN | BROWN | CO RD 10 | SLEEPY EYE | PASSIVE | PASSIVE | 160 | 37 | 23 | 49 | 1 | 1 | 2 | 0.107 | 5 | 0 | 0.060 | 0.043 |
| 193578Y | 017780 | MN | BROWN | TWP 225 | ESSIG | PASSIVE | PASSIVE | 116 | 37 | 23 | 49 | 1 | 2 | 2 | 0.052 | 5 | 1 | 0.102 | 0.073 |
| 193558M | 017970 | MN | BROWN | 1ST AVE. | SLEEPY EYE | FLASHING LIGHTS | FLASHING LIGHTS | 3100 | 37 | 23 | 49 | 4 | 1 | 2 | 0.343 | 5 | 0 | 0.116 | 0.061 |

Post-Construction Accident Prediction Summary
Minnesota 100 MNT
Alternative B

| FRA ID | MILEPOST | STATE | COUNTY | STREET | CITY | EXISTING | PROPOSED | ADT c | TRNS PER DAY t | NO. THRU TRNS/DAY DAYLIGHT d | MAX. TT SPEED (MPH) | NO. MAIN TRKS | HWY PAVED YES=1 NO=2 | NO. HWY LANES | BASIC FORMULA INITIAL (ACCIDENTS/YR) a | NO. YRS T | NO. OBSERVED ACCIDENTS 1993-1997 N | PREDICTED ACCIDENTS PER YR B | Estimated Annual Accident Frequency A |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 193557F | 017980 | MN | BROWN | 2ND AVE | SLEEPY EYE | FLASHING LIGHTS | FLASHING LIGHTS | 380 | 37 | 23 | 49 | 4 | 1 | 2 | 0.145 | 5 | 0 | 0.073 | 0.039 |
| 193584C | 017990 | MN | BROWN | 4TH AVE SE/ CSAH | SLEEPY EYE | PASSIVE | PASSIVE | 900 | 37 | 23 | 49 | 1 | 1 | 2 | 0.202 | 5 | 0 | 0.089 | 0.064 |
| 193553D | 018040 | MN | BROWN | 9TH AVE SE | SLEEPY EYE | PASSIVE | PASSIVE | 580 | 37 | 23 | 49 | 2 | 1 | 2 | 0.172 | 5 | 1 | 0.186 | 0.134 |
| 193554K | 018090 | MN | BROWN | Golf Course/Twp 218 | SLEEPY EYE | PASSIVE | PASSIVE | 55 | 37 | 23 | 49 | 2 | 2 | 2 | 0.040 | 5 | 0 | 0.027 | 0.020 |
| 193588E | 018280 | MN | BROWN | TWP 138 | SLEEPY EYE | PASSIVE | PASSIVE | 40 | 37 | 23 | 49 | 2 | 2 | 2 | 0.035 | 5 | 0 | 0.025 | 0.018 |
| 193589L | 018380 | MN | BROWN | CO RD 8 | SLEEPY EYE | PASSIVE | PASSIVE | 600 | 37 | 23 | 49 | 2 | 1 | 2 | 0.174 | 5 | 2 | 0.293 | 0.210 |
| 193590F | 018600 | MN | BROWN | CO RD 7 | COBDEN | PASSIVE | PASSIVE | 130 | 37 | 23 | 49 | 2 | 1 | 2 | 0.099 | 5 | 0 | 0.057 | 0.041 |
| 193591M | 018610 | MN | BROWN | CENTER ST | COBDEN | PASSIVE | PASSIVE | 380 | 37 | 23 | 49 | 2 | 2 | 2 | 0.081 | 5 | 0 | 0.049 | 0.035 |
| 193592U | 018700 | MN | BROWN | TWP 3 | COBDEN | PASSIVE | PASSIVE | 48 | 37 | 23 | 49 | 2 | 2 | 2 | 0.038 | 5 | 0 | 0.026 | 0.019 |
| 193594H | 018870 | MN | BROWN | TWP 191 | COBDEN | PASSIVE | PASSIVE | 55 | 37 | 23 | 49 | 2 | 2 | 2 | 0.040 | 5 | 0 | 0.027 | 0.020 |
| 193595P | 018940 | MN | BROWN | MN HWY 258 | SPRINGFIELD | FLASHING LIGHTS | FLASHING LIGHTS | 480 | 37 | 23 | 49 | 1 | 1 | 2 | 0.090 | 5 | 0 | 0.053 | 0.028 |
| 193596W | 019050 | MN | BROWN | TWP 90 | SPRINGFIELD | PASSIVE | PASSIVE | 55 | 37 | 23 | 49 | 1 | 2 | 2 | 0.040 | 5 | 0 | 0.027 | 0.020 |
| 193610P | 019140 | MN | BROWN | TWP 85 | SPRINGFIELD | PASSIVE | PASSIVE | 55 | 37 | 23 | 49 | 1 | 2 | 2 | 0.040 | 5 | 0 | 0.027 | 0.020 |
| 911204C | 19260 | MN | BROWN | Cnty Rd 5 | SPRINGFIELD | PASSIVE | PASSIVE | 1250 | 37 | 23.125 | 49 | 1 | 1 | 2 | 0.228 | 5 | 1 | 0.212 | 0.152 |
| 193612D | 19270 | MN | BROWN | SANDBORN ST | SPRINGFIELD | PASSIVE | PASSIVE | 200 | 37 | 23.125 | 49 | 1 | 2 | 2 | 0.064 | 5 | 0 | 0.041 | 0.029 |
| 193613K | 019290 | MN | BROWN | WASHINGTON AVE. | SPRINGFIELD | PASSIVE | PASSIVE | 380 | 37 | 23 | 49 | 1 | 1 | 2 | 0.147 | 5 | 0 | 0.074 | 0.053 |
| 193599S | 019300 | MN | BROWN | LINCOLN ST | SPRINGFIELD | PASSIVE | PASSIVE | 380 | 37 | 23 | 49 | 3 | 1 | 2 | 0.147 | 5 | 0 | 0.074 | 0.053 |
| 193614S | 019310 | MN | BROWN | CASS ST | SPRINGFIELD | FLASHING LIGHTS | FLASHING LIGHTS | 1650 | 37 | 23 | 49 | 2 | 1 | 2 | 0.181 | 5 | 0 | 0.084 | 0.044 |
| 193616F | 019330 | MN | BROWN | OCONNELL AVE. | SPRINGFIELD | PASSIVE | PASSIVE | 1000 | 37 | 23 | 49 | 3 | 1 | 2 | 0.210 | 5 | 1 | 0.204 | 0.146 |
| 193600J | 019360 | MN | BROWN | BURNS AVE | SPRINGFIELD | PASSIVE | PASSIVE | 380 | 37 | 23 | 49 | 1 | 1 | 2 | 0.147 | 5 | 0 | 0.074 | 0.053 |
| 193859H | 019410 | MN | BROWN | CO RD 4 | SPRINGFIELD | FLASHING LIGHTS | FLASHING LIGHTS | 600 | 37 | 23 | 49 | 1 | 1 | 2 | 0.098 | 5 | 0 | 0.056 | 0.030 |
| 193710U | 019760 | MN | REDWOOD | CO RD 2 | SANBORN | PASSIVE | PASSIVE | 160 | 37 | 23 | 49 | 2 | 1 | 2 | 0.107 | 5 | 0 | 0.060 | 0.043 |
| 193711B | 020050 | MN | BROWN | TWP 2 | SANBORN | PASSIVE | PASSIVE | 56 | 37 | 23 | 49 | 1 | 2 | 2 | 0.040 | 5 | 0 | 0.027 | 0.020 |
| 193664V | 020080 | MN | REDWOOD | TWP 153 | SANBORN | PASSIVE | PASSIVE | 146 | 37 | 23 | 49 | 1 | 2 | 2 | 0.057 | 5 | 0 | 0.037 | 0.026 |
| 197897F | 020170 | MN | REDWOOD | MAIN ST. | SANBORN | FLASHING LIGHTS | FLASHING LIGHTS | 1300 | 37 | 23 | 49 | 4 | 1 | 2 | 0.240 | 5 | 0 | 0.098 | 0.052 |
| 197896Y | 020180 | MN | REDWOOD | SOUTH ST. | SANBORN | PASSIVE | PASSIVE | 380 | 37 | 23 | 49 | 4 | 2 | 2 | 0.081 | 5 | 0 | 0.049 | 0.035 |
| 193669E | 020260 | MN | REDWOOD | TWP 149 | SANBORN | PASSIVE | PASSIVE | 73 | 37 | 23 | 49 | 1 | 2 | 2 | 0.044 | 5 | 0 | 0.030 | 0.021 |
| 193671F | 020370 | MN | REDWOOD | TWP 147 & 148 | SANBORN | PASSIVE | PASSIVE | 55 | 37 | 23 | 49 | 1 | 2 | 2 | 0.040 | 5 | 0 | 0.027 | 0.020 |
| 197895S | 020880 | MN | REDWOOD | MAIN ST. | LAMBERTON | FLASHING LIGHTS | FLASHING LIGHTS | 380 | 37 | 23 | 49 | 4 | 1 | 2 | 0.145 | 5 | 0 | 0.073 | 0.039 |
| 197894K | 020910 | MN | REDWOOD | ILEX ST./CO RD 6 | LAMBERTON | FLASHING LIGHTS | FLASHING LIGHTS | 1300 | 37 | 23 | 49 | 2 | 1 | 2 | 0.164 | 5 | 0 | 0.079 | 0.042 |
| 193712H | 21090 | MN | REDWOOD | TWP 190 | LAMBERTON | PASSIVE | PASSIVE | 55 | 37 | 23 | 49 | 1 | 2 | 2 | 0.040 | 5 | 0 | 0.027 | 0.020 |
| 193713P | 021300 | MN | REDWOOD | TWP 184 | REVERE | PASSIVE | PASSIVE | 99 | 37 | 23 | 49 | 1 | 2 | 2 | 0.049 | 5 | 0 | 0.033 | 0.024 |
| 197789J | 021370 | MN | REDWOOD | MAIN ST./CO RD 127 | REVERE | FLASHING LIGHTS | FLASHING LIGHTS | 510 | 37 | 23 | 49 | 2 | 1 | 2 | 0.112 | 5 | 0 | 0.062 | 0.033 |
| 193714W | 021410 | MN | REDWOOD | CO RD 7 | REVERE | PASSIVE | PASSIVE | 320 | 37 | 23 | 49 | 2 | 1 | 2 | 0.138 | 5 | 0 | 0.071 | 0.051 |
| 193715D | 021500 | MN | REDWOOD | TWP 178 | REVERE | PASSIVE | PASSIVE | 55 | 37 | 23 | 49 | 2 | 2 | 2 | 0.040 | 5 | 0 | 0.027 | 0.020 |
| 193716K | 021610 | MN | REDWOOD | CO RD 10 | WALNUT GROVE | PASSIVE | PASSIVE | 125 | 37 | 23 | 49 | 2 | 1 | 2 | 0.097 | 5 | 0 | 0.056 | 0.040 |
| 193717S | 021710 | MN | REDWOOD | TWP 127 | WALNUT GROVE | PASSIVE | PASSIVE | 44 | 37 | 23 | 49 | 1 | 2 | 2 | 0.036 | 5 | 0 | 0.025 | 0.018 |
| 193718Y | 021810 | MN | REDWOOD | CO RD 80 | WALNUT GROVE | PASSIVE | PASSIVE | 530 | 37 | 23 | 49 | 1 | 1 | 2 | 0.166 | 5 | 0 | 0.080 | 0.057 |
| 193719F | 021880 | MN | REDWOOD | 1ST ST | WALNUT GROVE | PASSIVE | PASSIVE | 49 | 37 | 23 | 49 | 1 | 2 | 2 | 0.038 | 5 | 1 | 0.087 | 0.063 |
| 197893D | 021900 | MN | REDWOOD | 6TH ST. | WALNUT GROVE | FLASHING LIGHTS | FLASHING LIGHTS | 900 | 37 | 23 | 49 | 2 | 1 | 2 | 0.141 | 5 | 0 | 0.072 | 0.038 |
| **Segment 5 Walnut Grove to Tracy MP 219 to 226.6** | | | | | | | | | | | | | | | | | | | |
| 197892W | 21920 | MN | REDWOOD | CO RD 5 | WALNUT GROVE | FLASHING LIGHTS | FLASHING LIGHTS | 1000 | 37 | 23 | 49 | 2 | 1 | 2 | 0.147 | 5 | 0 | 0.074 | 0.039 |
| 193721G | 022110 | MN | REDWOOD | CO RD 75 | WALNUT GROVE | PASSIVE | PASSIVE | 40 | 37 | 23 | 49 | 1 | 2 | 2 | 0.035 | 5 | 0 | 0.025 | 0.018 |
| 193692Y | 022220 | MN | REDWOOD | TWP 160 | WALNUT GROVE | PASSIVE | PASSIVE | 40 | 37 | 23 | 49 | 1 | 2 | 2 | 0.035 | 5 | 0 | 0.025 | 0.018 |
| 193694M | 022320 | MN | REDWOOD | TWP 158 | WALNUT GROVE | PASSIVE | PASSIVE | 55 | 37 | 23 | 49 | 1 | 2 | 2 | 0.040 | 5 | 0 | 0.027 | 0.020 |
| 193696B | 022410 | MN | REDWOOD | TWP 154 (County Line) | TRACY | PASSIVE | PASSIVE | 55 | 37 | 23 | 49 | 1 | 2 | 2 | 0.040 | 5 | 0 | 0.027 | 0.020 |
| 193697H | 022510 | MN | REDWOOD | TWP 18 | TRACY | PASSIVE | PASSIVE | 37 | 37 | 23 | 49 | 1 | 2 | 2 | 0.034 | 5 | 0 | 0.024 | 0.017 |
| 193722N | 022650 | MN | LYON | CENTER ST | TRACY | GATES | GATES | 1450 | 37 | 23 | 49 | 5 | 1 | 4 | 0.173 | 5 | 0 | 0.082 | 0.040 |
| 193741T | 022660 | MN | LYON | 4TH ST. | TRACY | GATES | GATES | 2200 | 37 | 23 | 49 | 2 | 1 | 2 | 0.093 | 5 | 1 | 0.138 | 0.068 |
| **Segment 6** | | | | | | | | | | | | | | | | | | | |

Post-Construction Accident Prediction Summary
Minnesota 100 MNT
Alternative B

| FRA ID | MILEPOST | STATE | COUNTY | STREET | CITY | EXISTING | PROPOSED | ADT c | TRNS PER DAY t | NO. THRU TRNS/DAY DAYLIGHT d | MAX. TT SPEED (MPH) | NO. MAIN TRKS | HWY PAVED YES=1 NO=2 | NO. HWY LANES | BASIC FORMULA INITIAL (ACCIDENTS/YR) a | NO. YRS T | NO. OBSERVED ACCIDENTS 1993-1997 N | PREDICTED ACCIDENTS PER YR B | Estimated Annual Accident Frequency A |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brookings to Tracy MP 226.6 to 290.0 | | | | | | | | | | | | | | | | | | | |
| 193742A | 022720 | MN | LYON | HIGHLINE RD 73 | TRACY | PASSIVE | PASSIVE | 650 | 37 | 23 | 49 | 2 | 1 | 2 | 0.179 | 5 | 0 | 0.083 | 0.060 |
| 193699W | 022800 | MN | LYON | CO RD 14 | TRACY | PASSIVE | PASSIVE | 320 | 37 | 23 | 49 | 2 | 1 | 2 | 0.138 | 5 | 2 | 0.265 | 0.189 |
| 193700N | 022830 | MN | LYON | TWP 227 | TRACY | PASSIVE | PASSIVE | 55 | 37 | 23 | 49 | 2 | 2 | 2 | 0.040 | 5 | 0 | 0.027 | 0.020 |
| 193702C | 022950 | MN | LYON | CO RD 14 | TRACY | PASSIVE | PASSIVE | 225 | 37 | 23 | 49 | 2 | 1 | 2 | 0.121 | 5 | 0 | 0.065 | 0.047 |
| 193708T | 023150 | MN | LYON | TWP 217 | GARVIN | PASSIVE | PASSIVE | 55 | 37 | 23 | 49 | 2 | 2 | 2 | 0.040 | 5 | 0 | 0.027 | 0.020 |
| 193709A | 023250 | MN | LYON | TWP 208 | GARVIN | PASSIVE | PASSIVE | 55 | 37 | 23 | 49 | 1 | 2 | 2 | 0.040 | 5 | 0 | 0.027 | 0.020 |
| 193810Y | 023350 | MN | LYON | US HWY 59 | GARVIN | FLASHING LIGHTS | FLASHING LIGHTS | 1350 | 37 | 23 | 49 | 1 | 1 | 2 | 0.137 | 5 | 0 | 0.071 | 0.038 |
| 193757P | 023390 | MN | LYON | 1ST ST | GARVIN | PASSIVE | PASSIVE | 55 | 37 | 23 | 49 | 1 | 2 | 2 | 0.040 | 5 | 0 | 0.027 | 0.020 |
| 193758W | 023450 | MN | LYON | TWP 201 | GARVIN | PASSIVE | PASSIVE | 55 | 37 | 23 | 49 | 1 | 2 | 2 | 0.040 | 5 | 0 | 0.027 | 0.020 |
| 193759D | 023550 | MN | LYON | TWP 194 | GARVIN | PASSIVE | PASSIVE | 55 | 37 | 23 | 49 | 1 | 2 | 2 | 0.040 | 5 | 0 | 0.027 | 0.020 |
| 193743G | 023660 | MN | LYON | CO RD 7 | BALATON | PASSIVE | PASSIVE | 155 | 37 | 23 | 49 | 1 | 1 | 2 | 0.105 | 5 | 0 | 0.059 | 0.042 |
| 193744N | 023760 | MN | LYON | TWP 190 | BALATON | PASSIVE | PASSIVE | 73 | 37 | 23 | 49 | 1 | 2 | 2 | 0.044 | 5 | 0 | 0.030 | 0.021 |
| 193745V | 023860 | MN | LYON | TWP 27 | BALATON | PASSIVE | PASSIVE | 5 | 37 | 23 | 49 | 1 | 2 | 2 | 0.016 | 5 | 0 | 0.012 | 0.009 |
| 193797M | 023940 | MN | LYON | 2ND ST. SW | BALATON | FLASHING LIGHTS | FLASHING LIGHTS | 1050 | 37 | 23 | 49 | 2 | 1 | 2 | 0.150 | 5 | 1 | 0.175 | 0.093 |
| 193748R | 023990 | MN | LYON | CO RD 5 | BALATON | FLASHING LIGHTS | FLASHING LIGHTS | 710 | 37 | 23 | 49 | 1 | 1 | 2 | 0.105 | 5 | 0 | 0.059 | 0.031 |
| 193751Y | 024180 | MN | LYON | TWP 14 | BALATON | PASSIVE | PASSIVE | 38 | 37 | 23 | 49 | 2 | 2 | 2 | 0.034 | 5 | 0 | 0.024 | 0.017 |
| 193752F | 024230 | MN | LYON | TWP 176 | BALATON | PASSIVE | PASSIVE | 45 | 37 | 23 | 49 | 2 | 2 | 2 | 0.037 | 5 | 0 | 0.026 | 0.018 |
| 193753M | 024330 | MN | LYON | TWP 244 | BALATON | PASSIVE | PASSIVE | 55 | 37 | 23 | 49 | 2 | 2 | 2 | 0.040 | 5 | 0 | 0.027 | 0.020 |
| 193755B | 024440 | MN | LYON | MN HWY 91 | BALATON | FLASHING LIGHTS | FLASHING LIGHTS | 495 | 37 | 23 | 49 | 2 | 1 | 2 | 0.110 | 5 | 0 | 0.061 | 0.032 |
| 193725J | 024590 | MN | LYON | TWP 15 | BALATON | PASSIVE | PASSIVE | 55 | 37 | 23 | 49 | 2 | 1 | 2 | 0.072 | 5 | 0 | 0.045 | 0.032 |
| 193726R | 024640 | MN | LYON | CO RD 13 | TYLER | PASSIVE | PASSIVE | 50 | 37 | 23 | 49 | 1 | 1 | 2 | 0.069 | 5 | 0 | 0.043 | 0.031 |
| 193730F | 024920 | MN | LYON | TWP 262 | TYLER | PASSIVE | PASSIVE | 16 | 37 | 23 | 49 | 1 | 2 | 2 | 0.025 | 5 | 0 | 0.018 | 0.013 |
| 193732U | 024980 | MN | LYON | CO RD 51 | TYLER | PASSIVE | PASSIVE | 15 | 37 | 23 | 49 | 1 | 2 | 2 | 0.024 | 5 | 0 | 0.018 | 0.013 |
| 193734H | 025180 | MN | LINCOLN | TWP 82 | TYLER | PASSIVE | PASSIVE | 55 | 37 | 23 | 49 | 1 | 2 | 2 | 0.040 | 5 | 0 | 0.027 | 0.020 |
| 193736W | 025290 | MN | LINCOLN | CO RD 115 | TYLER | PASSIVE | PASSIVE | 380 | 37 | 23 | 49 | 1 | 2 | 2 | 0.081 | 5 | 0 | 0.049 | 0.035 |
| 193798U | 025340 | MN | LINCOLN | WILLOW ST | TYLER | PASSIVE | PASSIVE | 380 | 37 | 23 | 49 | 1 | 1 | 2 | 0.147 | 5 | 1 | 0.173 | 0.124 |
| 193799B | 025350 | MN | LINCOLN | TYLER ST | TYLER | GATES | GATES | 3150 | 37 | 23 | 49 | 2 | 1 | 2 | 0.104 | 5 | 0 | 0.059 | 0.029 |
| 193800T | 025380 | MN | LINCOLN | CO RD 8 | TYLER | GATES | GATES | 1000 | 37 | 23 | 49 | 2 | 1 | 2 | 0.074 | 5 | 0 | 0.046 | 0.023 |
| 193737D | 025490 | MN | LINCOLN | TWP 90 | TYLER | PASSIVE | PASSIVE | 59 | 37 | 23 | 49 | 2 | 2 | 2 | 0.041 | 5 | 0 | 0.028 | 0.020 |
| 193740L | 025590 | MN | LINCOLN | TWP 96 | TYLER | PASSIVE | PASSIVE | 55 | 37 | 23 | 49 | 2 | 2 | 2 | 0.040 | 5 | 0 | 0.027 | 0.020 |
| 193761E | 025690 | MN | LINCOLN | CO RD 111 | TYLER | PASSIVE | PASSIVE | 95 | 37 | 23 | 49 | 2 | 2 | 2 | 0.048 | 5 | 0 | 0.032 | 0.023 |
| 193762L | 025790 | MN | LINCOLN | TWP 100 | LAKE BENTON | PASSIVE | PASSIVE | 55 | 37 | 23 | 49 | 2 | 2 | 2 | 0.040 | 5 | 0 | 0.027 | 0.020 |
| 193764A | 025900 | MN | LINCOLN | TWP 104 | LAKE BENTON | PASSIVE | PASSIVE | 55 | 37 | 23 | 49 | 1 | 2 | 2 | 0.040 | 5 | 0 | 0.027 | 0.020 |
| 193801A | 026160 | MN | LINCOLN | CENTER ST. | LAKE BENTON | GATES | GATES | 1100 | 37 | 23 | 40 | 1 | 1 | 2 | 0.066 | 5 | 0 | 0.042 | 0.020 |
| 193802G | 026190 | MN | LINCOLN | BENTON ST. | LAKE BENTON | PASSIVE | PASSIVE | 450 | 37 | 23 | 49 | 1 | 1 | 2 | 0.156 | 5 | 1 | 0.178 | 0.128 |
| 193768C | 026330 | MN | LINCOLN | TWP 100 | LAKE BENTON | PASSIVE | PASSIVE | 55 | 37 | 23 | 49 | 2 | 2 | 2 | 0.040 | 5 | 0 | 0.027 | 0.020 |
| 193769J | 026480 | MN | LINCOLN | TWP 7 | LAKE BENTON | PASSIVE | PASSIVE | 55 | 37 | 23 | 49 | 2 | 2 | 2 | 0.040 | 5 | 0 | 0.027 | 0.020 |
| 193770D | 026590 | MN | LINCOLN | CO RD 9 | VERDI | FLASHING LIGHTS | FLASHING LIGHTS | 450 | 37 | 23 | 49 | 2 | 1 | 2 | 0.106 | 5 | 0 | 0.060 | 0.032 |
| 193771K | 026730 | MN | LINCOLN | TWP 125 | VERDI | PASSIVE | PASSIVE | 50 | 37 | 23 | 49 | 2 | 2 | 2 | 0.038 | 5 | 0 | 0.026 | 0.019 |
| 193773Y | 026750 | MN | LINCOLN | CO RD 9 | VERDI | PASSIVE | PASSIVE | 150 | 37 | 23 | 49 | 2 | 1 | 2 | 0.104 | 5 | 0 | 0.059 | 0.042 |
| 193772S | 026780 | MN | LINCOLN | MAIN STREET | VERDI | PASSIVE | PASSIVE | 23 | 37 | 23 | 49 | 2 | 2 | 2 | 0.029 | 5 | 0 | 0.021 | 0.015 |
| 193776U | 026830 | MN | LINCOLN | CO RD 2 | VERDI | PASSIVE | PASSIVE | 75 | 37 | 23 | 49 | 1 | 1 | 2 | 0.080 | 5 | 0 | 0.049 | 0.035 |
| 193780J | 026940 | MN | LINCOLN | TWP 132 | VERDI | PASSIVE | PASSIVE | 720 | 37 | 23 | 49 | 1 | 2 | 2 | 0.102 | 5 | 0 | 0.058 | 0.042 |
| 193782X | 27040 | MN | LINCOLN | TWP 133 | VERDI | PASSIVE | PASSIVE | 40 | 37 | 23 | 49 | 1 | 2 | 2 | 0.035 | 5 | 0 | 0.025 | 0.018 |
| 193783E | 027140 | MN | LINCOLN | CO RD 1 | ELKTON | PASSIVE | PASSIVE | 110 | 37 | 23 | 49 | 1 | 1 | 2 | 0.093 | 5 | 0 | 0.054 | 0.039 |
| 193784L | 027250 | MN | LINCOLN | TWP 138 | ELKTON | PASSIVE | PASSIVE | 44 | 37 | 23 | 49 | 1 | 2 | 2 | 0.036 | 5 | 0 | 0.025 | 0.018 |

Pre/Post-Construction Accident Prediction Comparison
Minnesota 100 MNT
Alternative B

| FRA ID | MILEPOST | STATE | COUNTY | STREET | CITY | EXISTING DEVICE | PROPOSED DEVICE | ADT c | NO. HWY LANES | NO. OBSERVED ACCIDENTS 1993-1997 | Estimated Annual Accident Frequency Pre-Construction | Estimated Annual Accident Frequency Post-Construction | Category | Increase in Frequency | 1/Freq. | Trip Threshold | State Top 50 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Winona County** | | | | | | | | | | | | | | | | | |
| 19317H | 520 | MN | WINONA | Martina & 11th St. | WINONA | PASSIVE | PASSIVE | 460 | 1 | 0 | 0.020 | 0.037 | B | 0.017 | 58 | NO | NO |
| 193197K | 620 | MN | WINONA | Canton Mills | WINONA | PASSIVE | PASSIVE | 100 | 1 | 0 | 0.012 | 0.024 | B | 0.012 | 85 | NO | NO |
| 193200R | 000860 | MN | WINONA | CNTY RD 23 | MINNESOTA CITY | FLASHING LIGHTS | FLASHING LIGHTS | 2500 | 2 | 0 | 0.028 | 0.049 | B | 0.0210 | 48 | NO | NO |
| 193176S | 000930 | MN | WINONA | CNTY RD 6 | STOCKTON | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.009 | 0.020 | B | 0.0106 | 95 | NO | NO |
| 193201X | 001110 | MN | WINONA | MAIN ST/CO RD 23 | STOCKTON | FLASHING LIGHTS | FLASHING LIGHTS | 1075 | 2 | 0 | 0.025 | 0.040 | B | 0.0152 | 66 | NO | NO |
| 193206G | 001680 | MN | WINONA | DUTCHMAN/ TWP 1 | LEWISTON | PASSIVE | PASSIVE | 100 | 2 | 0 | 0.009 | 0.017 | B | 0.0076 | 131 | NO | NO |
| 193207N | 001780 | MN | WINONA | CO RD 25 | LEWISTON | FLASHING LIGHTS | FLASHING LIGHTS | 1850 | 2 | 0 | 0.025 | 0.041 | B | 0.0153 | 65 | NO | NO |
| 193209C | 001840 | MN | WINONA | FREMONT STREET | LEWISTON | GATES | GATES | 1700 | 2 | 0 | 0.014 | 0.025 | B | 0.0117 | 86 | NO | NO |
| 193210W | 1900 | MN | WINONA | Golf Crossing | UTICA | PASSIVE | PASSIVE | 55 | 1 | 0 | 0.010 | 0.020 | B | 0.010 | 103 | NO | NO |
| 193211D | 002090 | MN | WINONA | TWP 13 | UTICA | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.010 | 0.020 | B | 0.0097 | 103 | NO | NO |
| 193247L | 002190 | MN | WINONA | CO RD 18 | UTICA | PASSIVE | PASSIVE | 200 | 2 | 0 | 0.026 | 0.045 | B | 0.0190 | 53 | NO | NO |
| 193248T | 002270 | MN | WINONA | CENTER STREET | UTICA | FLASHING LIGHTS | FLASHING LIGHTS | 950 | 2 | 2 | 0.100 | 0.131 | A | 0.0312 | 32 | YES | YES |
| 193249A | 2300 | MN | WINONA | 2nd. Avenue | UTICA | PASSIVE | PASSIVE | 39 | 1 | 0 | 0.009 | 0.017 | B | 0.008 | 119 | NO | NO |
| 193250U | 002400 | MN | WINONA | TWP 5 | UTICA | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.010 | 0.020 | B | 0.0093 | 107 | NO | NO |
| 193251B | 2540 | MN | WINONA | Co Rd 37 | UTICA | PASSIVE | PASSIVE | 180 | 2 | 0 | 0.015 | 0.028 | B | 0.0129 | 77 | NO | NO |
| 193253P | 002650 | MN | WINONA | Twp 13 | ST CHARLES | PASSIVE | PASSIVE | 100 | 2 | 0 | 0.010 | 0.020 | B | 0.0093 | 107 | NO | NO |
| 193193H | 2780 | MN | WINONA | Terry Drive | ST CHARLES | PASSIVE | PASSIVE | 500 | 2 | 0 | 0.021 | 0.038 | B | 0.017 | 59 | NO | NO |
| 193254W | 002820 | MN | WINONA | RICHLAND AVE | ST CHARLES | PASSIVE | PASSIVE | 380 | 2 | 0 | 0.032 | 0.053 | B | 0.0212 | 47 | NO | NO |
| 193255D | 002840 | MN | WINONA | WHITEWATER | ST CHARLES | GATES | GATES | 4050 | 4 | 0 | 0.026 | 0.037 | B | 0.0112 | 90 | NO | NO |
| 193256K | 002850 | MN | WINONA | ST. CHARLES AVE | ST CHARLES | PASSIVE | PASSIVE | 780 | 2 | 0 | 0.039 | 0.062 | B | 0.0233 | 43 | NO | NO |
| 193257S | 002870 | MN | WINONA | W. 11TH STREET | ST CHARLES | PASSIVE | PASSIVE | 480 | 2 | 0 | 0.034 | 0.056 | B | 0.0219 | 46 | NO | NO |
| 193194P | 2900 | MN | WINONA | Co Rd 126/West End | ST CHARLES | PASSIVE | PASSIVE | 380 | 2 | 0 | 0.031 | 0.053 | B | 0.0221 | 45 | NO | NO |
| | | | | | | | **Total** | | | **2** | **0.514** | **0.850** | | **0.3363** | **3** | **Number of crossings** | |
| | | | | | | | **Minimum** | | | | **0.009** | **0.017** | | **0.0076** | **131** | **in the County** | **22** |
| | | | | | | | **Maximum** | | | | **0.100** | **0.131** | | **0.0312** | **32** | | |
| **Olmsted County** | | | | | | | | | | | | | | | | | |
| 193258Y | 003010 | MN | OLMSTED | TWP 668 | ST CHARLES | PASSIVE | PASSIVE | 25 | 2 | 0 | 0.008 | 0.015 | B | 0.0073 | 136 | NO | NO |
| 193259F | 003040 | MN | OLMSTED | 19TH AVE/ TWP 591 | DOVER | PASSIVE | PASSIVE | 25 | 2 | 0 | 0.008 | 0.015 | B | 0.0073 | 136 | NO | NO |
| 193195W | 003090 | MN | OLMSTED | TWP 667 | DOVER | PASSIVE | PASSIVE | 25 | 1 | 0 | 0.007 | 0.015 | B | 0.0076 | 131 | NO | NO |
| 193260A | 003220 | MN | OLMSTED | CHATFIELD ST | DOVER | FLASHING LIGHTS | FLASHING LIGHTS | 1300 | 2 | 1 | 0.065 | 0.088 | B | 0.0228 | 44 | NO | NO |
| 193261G | 003420 | MN | OLMSTED | CSAH 32 | DOVER | PASSIVE | PASSIVE | 200 | 2 | 0 | 0.016 | 0.029 | B | 0.0133 | 75 | NO | NO |
| 193262N | 003530 | MN | OLMSTED | 140 AVE SE/TWP 90 | EYOTA | PASSIVE | PASSIVE | 50 | 2 | 0 | 0.010 | 0.019 | B | 0.0091 | 110 | NO | NO |
| 193263V | 003680 | MN | OLMSTED | Center Ave/ CSAH 7 | EYOTA | GATES | GATES | 2300 | 4 | 0 | 0.025 | 0.036 | B | 0.0111 | 90 | NO | NO |
| | | | | | | | **Total** | | | **1** | **0.139** | **0.218** | | **0.0786** | **13** | **Number of crossings** | |
| | | | | | | | **Minimum** | | | | **0.007** | **0.015** | | **0.0073** | **136** | **in the County** | **7** |
| | | | | | | | **Maximum** | | | | **0.065** | **0.088** | | **0.0228** | **44** | | |
| **Dodge County** | | | | | | | | | | | | | | | | | |
| 193289X | 006130 | MN | DODGE | CO RD 15 | BYRON | PASSIVE | PASSIVE | 670 | 2 | 1 | 0.096 | 0.137 | A | 0.0412 | 24 | YES | YES |
| 193290S | 006230 | MN | DODGE | TWP 30 | KASSON | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.010 | 0.020 | B | 0.0093 | 107 | NO | NO |
| 193291Y | 006350 | MN | DODGE | MANTORVILLE AVE. | KASSON | GATES | GATES | 2750 | 2 | 0 | 0.017 | 0.028 | B | 0.0115 | 87 | NO | NO |
| 193292F | 006360 | MN | DODGE | SECOND AVE S.W. | KASSON | PASSIVE | PASSIVE | 610 | 2 | 0 | 0.036 | 0.059 | B | 0.0226 | 44 | NO | NO |
| 193293M | 006370 | MN | DODGE | THIRD AVE SW | KASSON | PASSIVE | PASSIVE | 360 | 2 | 0 | 0.031 | 0.052 | B | 0.0210 | 48 | NO | NO |
| 193294U | 006430 | MN | DODGE | EIGHTH AVE. S.W. | KASSON | PASSIVE | PASSIVE | 860 | 2 | 0 | 0.040 | 0.063 | B | 0.0235 | 43 | NO | NO |
| 196630L | 006520 | MN | DODGE | US HWY 14 | KASSON | FLASHING LIGHTS | FLASHING LIGHTS | 7900 | 2 | 0 | 0.041 | 0.061 | B | 0.0203 | 49 | NO | NO |
| 193296H | 006530 | MN | DODGE | CO RD 34/ TWP 134 | KASSON | PASSIVE | PASSIVE | 60 | 2 | 0 | 0.011 | 0.020 | B | 0.0096 | 105 | NO | NO |
| 193357W | 006630 | MN | DODGE | CO RD 9 | KASSON | PASSIVE | PASSIVE | 540 | 2 | 0 | 0.035 | 0.057 | B | 0.0223 | 45 | NO | NO |
| 193358D | 006740 | MN | DODGE | TWP 139 | DODGE CENTER | PASSIVE | PASSIVE | 45 | 2 | 0 | 0.010 | 0.018 | B | 0.0088 | 114 | NO | NO |
| 193359K | 006840 | MN | DODGE | AIRPORT DRIVE S. | DODGE CENTER | PASSIVE | PASSIVE | 135 | 2 | 0 | 0.023 | 0.041 | B | 0.0176 | 57 | NO | NO |
| 193297P | 006890 | MN | DODGE | 4TH AVE. S.E. | DODGE CENTER | PASSIVE | PASSIVE | 380 | 2 | 2 | 0.103 | 0.148 | A | 0.0452 | 22 | YES | YES |

Pre/Post-Construction Accident Prediction Comparison
Minnesota 100 MNT
Alternative B

| FRA ID | MILEPOST | STATE | COUNTY | STREET | CITY | EXISTING DEVICE | PROPOSED DEVICE | ADT c | NO. HWY LANES | NO. OBSERVED ACCIDENTS 1993-1997 | Estimated Annual Accident Frequency Pre-Construction | Estimated Annual Accident Frequency Post-Construction | Category | Increase in Frequency | 1/Freq. | Trip Threshold | State Top 50 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 193360E | 006900 | MN | DODGE | SECOND AVE. S.E. | DODGE CENTER | PASSIVE | PASSIVE | 380 | 2 | 0 | 0.029 | 0.053 | B | 0.0239 | 42 | NO | NO |
| 193361L | 006910 | MN | DODGE | FIRST AVE. S.E. | DODGE CENTER | PASSIVE | PASSIVE | 380 | 2 | 0 | 0.029 | 0.053 | B | 0.0239 | 42 | NO | NO |
| 193298W | 006920 | MN | DODGE | CENTRAL AVE | DODGE CENTER | PASSIVE | PASSIVE | 380 | 2 | 1 | 0.081 | 0.124 | B | 0.0431 | 23 | NO | NO |
| 193362T | 006930 | MN | DODGE | FIRST AVE S.W. | DODGE CENTER | PASSIVE | PASSIVE | 380 | 2 | 0 | 0.032 | 0.053 | B | 0.0212 | 47 | NO | NO |
| 193299D | 006940 | MN | DODGE | 2ND AVE. S.W. | DODGE CENTER | PASSIVE | PASSIVE | 380 | 2 | 0 | 0.032 | 0.053 | B | 0.0212 | 47 | NO | NO |
| 193363A | 006950 | MN | DODGE | THIRD AVE N.W. | DODGE CENTER | FLASHING LIGHTS | FLASHING LIGHTS | 3300 | 2 | 1 | 0.079 | 0.105 | B | 0.0260 | 38 | NO | NO |
| 193300V | 007000 | MN | DODGE | CO RD H | DODGE CENTER | PASSIVE | PASSIVE | 500 | 2 | 0 | 0.034 | 0.056 | B | 0.0220 | 45 | NO | NO |
| 193364G | 007140 | MN | DODGE | TWP 145 | DODGE CENTER | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.010 | 0.020 | B | 0.0093 | 107 | NO | NO |
| 193303R | 7190 | MN | DODGE | Twp 153 | DODGE CENTER | PASSIVE | PASSIVE | 10 | 2 | 0 | 0.006 | 0.011 | B | 0.0055 | 182 | NO | NO |
| 193365N | 007270 | MN | DODGE | CO RD 5 | CLAREMONT | PASSIVE | PASSIVE | 310 | 2 | 0 | 0.030 | 0.050 | B | 0.0205 | 49 | NO | NO |
| 193366V | 007320 | MN | DODGE | TWP 180 | CLAREMONT | PASSIVE | PASSIVE | 49 | 2 | 0 | 0.010 | 0.019 | B | 0.0090 | 111 | NO | NO |
| 193367C | 7370 | MN | DODGE | TWP 154 | CLAREMONT | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.010 | 0.020 | B | 0.0093 | 107 | NO | NO |
| 193368J | 007480 | MN | DODGE | TWP 157 | CLAREMONT | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.010 | 0.020 | B | 0.0093 | 107 | NO | NO |
| 193369R | 007580 | MN | DODGE | CO RD 3 | CLAREMONT | PASSIVE | PASSIVE | 570 | 2 | 0 | 0.036 | 0.058 | B | 0.0224 | 45 | NO | NO |
| 193370K | 007640 | MN | DODGE | ELM | CLAREMONT | PASSIVE | PASSIVE | 380 | 1 | 0 | 0.019 | 0.035 | B | 0.0155 | 64 | NO | NO |
| 193371S | 007680 | MN | DODGE | CO RD 1 | CLAREMONT | PASSIVE | PASSIVE | 550 | 2 | 1 | 0.092 | 0.132 | A | 0.0402 | 25 | YES | YES |
| 193307T | 007780 | MN | DODGE | TWP 171 | CLAREMONT | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.010 | 0.020 | B | 0.0093 | 107 | NO | NO |
| | | | | | | | Total | | | 6 | 1.002 | 1.586 | | 0.5847 | 2 | Number of crossings | |
| | | | | | | | Minimum | | | | 0.006 | 0.011 | | 0.0055 | 182 | In the County | 29 |
| | | | | | | | Maximum | | | | 0.103 | 0.148 | | 0.0452 | 22 | | |
| **Steele County** | | | | | | | | | | | | | | | | | |
| 193372Y | 007980 | MN | STEELE | CO RD 16/ SE 84 AVE | CLAREMONT | PASSIVE | PASSIVE | 250 | 2 | 0 | 0.025 | 0.044 | B | 0.0185 | 54 | NO | NO |
| 193373F | 008090 | MN | STEELE | SE 74TH AVE | CLAREMONT | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.010 | 0.020 | B | 0.0093 | 107 | NO | NO |
| 193311H | 8130 | MN | STEELE | SE 28th Ave | CLAREMONT | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.010 | 0.020 | B | 0.009 | 107 | NO | NO |
| 193374M | 008180 | MN | STEELE | SE 64TH STREET | OWATONNA | PASSIVE | PASSIVE | 80 | 2 | 0 | 0.012 | 0.022 | B | 0.0104 | 96 | NO | NO |
| 193375U | 008290 | MN | STEELE | US HWY 14 | OWATONNA | FLASHING LIGHTS | FLASHING LIGHTS | 4700 | 4 | 1 | 0.102 | 0.130 | A | 0.0278 | 36 | YES | YES |
| 193376B | 008390 | MN | STEELE | SE 44 AVE/ CO RD 59 | OWATONNA | PASSIVE | PASSIVE | 365 | 2 | 0 | 0.031 | 0.052 | B | 0.0210 | 48 | NO | NO |
| 193312P | 008500 | MN | STEELE | SE 34TH AVE | OWATONNA | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.010 | 0.020 | B | 0.0093 | 107 | NO | NO |
| 193377H | 008540 | MN | STEELE | CO RD 71 | OWATONNA | PASSIVE | PASSIVE | 155 | 2 | 0 | 0.024 | 0.042 | B | 0.0181 | 55 | NO | NO |
| 193382E | 8740 | MN | STEELE | RICE LAKE STREET | OWATONNA | FLASHING LIGHTS | FLASHING LIGHTS | 1500 | 2 | 0 | 0.026 | 0.039 | B | 0.0130 | 77 | NO | NO |
| 380294J | 8750 | MN | STEELE | E. Vine St | OWATONNA | PASSIVE | PASSIVE | 200 | 2 | 0 | 0.026 | 0.045 | B | 0.0190 | 53 | NO | NO |
| 187034M | 8760 | MN | STEELE | Chestnut St | OWATONNA | PASSIVE | PASSIVE | 200 | 1 | 0 | 0.016 | 0.029 | B | 0.0133 | 75 | NO | NO |
| 187033F | 008776 | MN | STEELE | ROSE ST | OWATONNA | GATES | GATES | 3515 | 2 | 0 | 0.018 | 0.027 | B | 0.0089 | 112 | NO | NO |
| 187032Y | 8780 | MN | STEELE | Pine Ave | OWATONNA | GATES | GATES | 2000 | 2 | 0 | 0.015 | 0.023 | B | 0.0081 | 123 | NO | NO |
| 193383L | 8830 | MN | STEELE | ELM AVE | OWATONNA | FLASHING LIGHTS | FLASHING LIGHTS | 2515 | 4 | 0 | 0.055 | 0.068 | B | 0.0130 | 77 | NO | NO |
| 193384T | 008840 | MN | STEELE | CEDAR AVE | OWATONNA | FLASHING LIGHTS | FLASHING LIGHTS | 6800 | 4 | 0 | 0.061 | 0.073 | B | 0.0124 | 81 | NO | NO |
| 193388V | 008890 | MN | STEELE | STATE AVE | OWATONNA | FLASHING LIGHTS | FLASHING LIGHTS | 5600 | 2 | 0 | 0.039 | 0.053 | B | 0.0131 | 76 | NO | NO |
| 193390W | 008950 | MN | STEELE | PARK DRIVE | OWATONNA | FLASHING LIGHTS | FLASHING LIGHTS | 2000 | 2 | 0 | 0.012 | 0.018 | B | 0.0064 | 156 | NO | NO |
| 193391D | 008970 | MN | STEELE | 24TH AVE. N.W. | OWATONNA | FLASHING LIGHTS | FLASHING LIGHTS | 2700 | 2 | 1 | 0.079 | 0.102 | B | 0.0222 | 45 | NO | NO |
| 193392K | 009030 | MN | STEELE | 32ND AVE/ TWP 229 | OWATONNA | PASSIVE | PASSIVE | 2000 | 2 | 1 | 0.050 | 0.067 | B | 0.0164 | 61 | NO | NO |
| 193394Y | 9250 | MN | STEELE | 52 AVE SW/ CO RD 17 | OWATONNA | PASSIVE | PASSIVE | 145 | 4 | 0 | 0.031 | 0.050 | B | 0.0183 | 55 | NO | NO |
| 193395F | 9350 | MN | STEELE | NW 62ND AVE | OWATONNA | PASSIVE | PASSIVE | 100 | 4 | 0 | 0.023 | 0.038 | B | 0.0150 | 67 | NO | NO |
| 193397U | 009640 | MN | STEELE | SW 92ND AVE | MERIDEN | PASSIVE | PASSIVE | 555 | 2 | 1 | 0.096 | 0.132 | A | 0.0361 | 28 | YES | YES |
| | | | | | | | Total | | | 4 | 0.773 | 1.112 | | 0.3391 | 3 | Number of crossings | |
| | | | | | | | Minimum | | | | 0.010 | 0.018 | | 0.0064 | 156 | In the County | 22 |
| | | | | | | | Maximum | | | | 0.102 | 0.132 | | 0.0361 | 28 | | |
| **Waseca County** | | | | | | | | | | | | | | | | | |
| 193398B | 009780 | MN | WASECA | 178TH ST/ TWP 128 | MERIDEN | PASSIVE | PASSIVE | 55 | 2 | 2 | 0.086 | 0.108 | B | 0.0221 | 45 | NO | NO |
| 193399H | 009930 | MN | WASECA | GOOSE LAKE XING | WASECA | PASSIVE | PASSIVE | 10 | 1 | 0 | 0.006 | 0.011 | B | 0.0050 | 199 | NO | NO |
| 193400A | 010090 | MN | WASECA | 145TH ST/ CO RD 5 | WASECA | PASSIVE | PASSIVE | 500 | 2 | 0 | 0.037 | 0.056 | B | 0.0198 | 51 | NO | NO |

Pre/Post-Construction Accident Prediction Comparison
Minnesota 100 MNT
Alternative B

| FRA ID | MILEPOST | STATE | COUNTY | STREET | CITY | EXISTING DEVICE | PROPOSED DEVICE | ADT c | NO. HWY LANES | NO. OBSERVED ACCIDENTS 1993-1997 | Estimated Annual Accident Frequency Pre-Construction | Estimated Annual Accident Frequency Post-Construction | Category | Increase in Frequency | 1/Freq. | Trip Threshold | State Top 50 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 193403V | 010180 | MN | WASECA | 8TH STREET S.E. | WASECA | FLASHING LIGHTS | FLASHING LIGHTS | 2800 | 2 | 0 | 0.030 | 0.042 | B | 0.0119 | 84 | NO | NO |
| 193404C | 010200 | MN | WASECA | 7TH STREET SE | WASECA | PASSIVE | PASSIVE | 200 | 2 | 1 | 0.079 | 0.110 | B | 0.0309 | 32 | NO | NO |
| 193405J | 010220 | MN | WASECA | 5TH ST. SE | WASECA | PASSIVE | PASSIVE | 2700 | 2 | 0 | 0.056 | 0.078 | B | 0.0226 | 44 | NO | NO |
| 193406R | 010250 | MN | WASECA | STATE ST. | WASECA | FLASHING LIGHTS | FLASHING LIGHTS | 8900 | 2 | 0 | 0.043 | 0.056 | B | 0.0133 | 75 | NO | NO |
| 193314D | 010260 | MN | WASECA | 2ND ST. S.W. | WASECA | FLASHING LIGHTS | FLASHING LIGHTS | 1050 | 2 | 0 | 0.021 | 0.035 | B | 0.0139 | 72 | NO | NO |
| 193315K | 010270 | MN | WASECA | 4TH ST. S.W. | WASECA | GATES | GATES | 2700 | 2 | 0 | 0.020 | 0.031 | B | 0.0114 | 88 | NO | NO |
| 193317Y | 010340 | MN | WASECA | CO RD 57 | WASECA | FLASHING LIGHTS | FLASHING LIGHTS | 650 | 2 | 0 | 0.018 | 0.035 | B | 0.0169 | 59 | NO | NO |
| 193318F | 010380 | MN | WASECA | Brown St/ CO RD 2 | WASECA | FLASHING LIGHTS | FLASHING LIGHTS | 2600 | 2 | 1 | 0.072 | 0.110 | B | 0.0379 | 26 | NO | NO |
| 193320G | 010460 | MN | WASECA | Airport/ CO RD 27 | WASECA | PASSIVE | PASSIVE | 810 | 2 | 0 | 0.033 | 0.063 | B | 0.0292 | 34 | NO | NO |
| 193322V | 010620 | MN | WASECA | CO RD 52/ 95TH ST | WASECA | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.008 | 0.020 | B | 0.0112 | 89 | NO | NO |
| 193324J | 010730 | MN | WASECA | 85TH ST/ TWP 161 | WASECA | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.009 | 0.020 | B | 0.0102 | 98 | NO | NO |
| 193326X | 010850 | MN | WASECA | CO RD 17 | JANESVILLE | PASSIVE | PASSIVE | 190 | 2 | 0 | 0.014 | 0.029 | B | 0.0144 | 69 | NO | NO |
| 193328L | 010960 | MN | WASECA | 60TH STREET | JANESVILLE | PASSIVE | PASSIVE | 10 | 2 | 0 | 0.005 | 0.011 | B | 0.0060 | 167 | NO | NO |
| 193329T | 11020 | MN | WASECA | Twp 92 | JANESVILLE | PASSIVE | PASSIVE | 20 | 2 | 0 | 0.011 | 0.014 | B | 0.0026 | 386 | NO | NO |
| 193341A | 011090 | MN | WASECA | CO RD 33 & 66 | JANESVILLE | PASSIVE | PASSIVE | 110 | 2 | 0 | 0.012 | 0.024 | B | 0.0125 | 80 | NO | NO |
| 193342G | 11190 | MN | WASECA | County Road 53 | JANESVILLE | PASSIVE | PASSIVE | 100 | 2 | 0 | 0.011 | 0.024 | B | 0.012 | 82 | NO | NO |
| 193344V | 011260 | MN | WASECA | TEAL ST | JANESVILLE | PASSIVE | PASSIVE | 1100 | 2 | 0 | 0.036 | 0.067 | B | 0.0302 | 33 | NO | NO |
| 193346J | 011280 | MN | WASECA | SOUTH MAIN STREET | JANESVILLE | GATES | GATES | 1900 | 2 | 0 | 0.018 | 0.029 | B | 0.0108 | 92 | NO | NO |
| 193348X | 011300 | MN | WASECA | CRAIG ST | JANESVILLE | PASSIVE | PASSIVE | 380 | 2 | 0 | 0.027 | 0.053 | B | 0.0262 | 38 | NO | NO |
| 193349E | 011310 | MN | WASECA | S. SKOOKUM ST | JANESVILLE | PASSIVE | PASSIVE | 380 | 2 | 0 | 0.016 | 0.035 | B | 0.0189 | 53 | NO | NO |
| 193354B | 011510 | MN | WASECA | CO RD 60 | JANESVILLE | PASSIVE | PASSIVE | 275 | 2 | 1 | 0.077 | 0.117 | B | 0.0402 | 25 | NO | NO |
| 193356P | 011630 | MN | WASECA | CO RD 37 | JANESVILLE | PASSIVE | PASSIVE | 460 | 2 | 1 | 0.088 | 0.133 | A | 0.0449 | 22 | YES | YES |
| | | | | | | | **Total** | | | **6** | **0.8343** | **1.3094** | | **0.4750** | **2** | Number of crossings | |
| | | | | | | | **Minimum** | | | | **0.0051** | **0.0111** | | **0.0026** | **386** | In the County | 25 |
| | | | | | | | **Maximum** | | | | **0.088** | **0.133** | | **0.0449** | **22** | | |
| **Blue Earth County** | | | | | | | | | | | | | | | | | |
| 193407X | 011660 | MN | BLUE EARTH | CO RD 184 | JANESVILLE | PASSIVE | PASSIVE | 90 | 2 | 0 | 0.015 | 0.030 | B | 0.0152 | 66 | NO | NO |
| 193410F | 11750 | MN | BLUE EARTH | Twp 313 | JANESVILLE | PASSIVE | PASSIVE | 10 | 2 | 0 | 0.011 | 0.024 | B | 0.0121 | 82 | NO | NO |
| 193408E | 011870 | MN | BLUE EARTH | CO RD 185 | EAGLE LAKE | PASSIVE | PASSIVE | 75 | 2 | 0 | 0.011 | 0.022 | B | 0.0116 | 86 | NO | NO |
| 193411M | 011980 | MN | BLUE EARTH | TWP 325 | EAGLE LAKE | PASSIVE | PASSIVE | 73 | 2 | 0 | 0.010 | 0.021 | B | 0.0111 | 90 | NO | NO |
| 193414H | 012080 | MN | BLUE EARTH | CO RD 332 | EAGLE LAKE | PASSIVE | PASSIVE | 39 | 2 | 0 | 0.014 | 0.029 | B | 0.0146 | 69 | NO | NO |
| 193509R | 14720 | MN | BLUE EARTH | Twp. 461 | MANKATO | PASSIVE | PASSIVE | 100 | 1 | 0 | 0.010 | 0.024 | B | 0.013 | 75 | NO | NO |
| 193480V | 14890 | MN | BLUE EARTH | JUDSON FORT RD/ TW | MANKATO | PASSIVE | PASSIVE | 52 | 2 | 0 | 0.009 | 0.019 | B | 0.0101 | 99 | NO | NO |
| 193481C | 14980 | MN | BLUE EARTH | CSAH 42 | MANKATO | PASSIVE | PASSIVE | 970 | 2 | 0 | 0.038 | 0.065 | B | 0.0266 | 38 | NO | NO |
| 193482J | 14990 | MN | BLUE EARTH | PART ST/ TWP 245 | MANKATO | PASSIVE | PASSIVE | 60 | 2 | 0 | 0.017 | 0.033 | B | 0.0162 | 62 | NO | NO |
| 193483R | 15020 | MN | BLUE EARTH | PRAIRIE ST/ TWP 249 | MANKATO | PASSIVE | PASSIVE | 55 | 1 | 0 | 0.009 | 0.020 | B | 0.0102 | 98 | NO | NO |
| 193484X | 15630 | MN | BLUE EARTH | CSAH 6 | NEW ULM | PASSIVE | PASSIVE | 150 | 2 | 0 | 0.023 | 0.043 | B | 0.0202 | 50 | NO | NO |
| 193485E | 15660 | MN | BLUE EARTH | TWP 236 | NEW ULM | PASSIVE | PASSIVE | 80 | 2 | 0 | 0.018 | 0.035 | B | 0.0174 | 58 | NO | NO |
| 193487T | 15810 | MN | BLUE EARTH | CSAH 45 | NEW ULM | FLASHING LIGHTS | FLASHING LIGHTS | 770 | 2 | 0 | 0.019 | 0.032 | B | 0.0130 | 77 | NO | NO |
| | | | | | | | **Total** | | | **0** | **0.205** | **0.397** | | **0.1916** | **5** | Number of crossings | |
| | | | | | | | **Minimum** | | | | **0.009** | **0.019** | | **0.0101** | **99** | In the County | 13 |
| | | | | | | | **Maximum** | | | | **0.038** | **0.065** | | **0.0266** | **38** | | |
| **Brown County** | | | | | | | | | | | | | | | | | |
| 193571H | 16060 | MN | BROWN | TWP 97 | NEW ULM | PASSIVE | PASSIVE | 100 | 2 | 0 | 0.010 | 0.024 | B | 0.013 | 75 | NO | NO |
| 193522E | 16270 | MN | BROWN | SHAG RD/ TWP 96 | NEW ULM | PASSIVE | PASSIVE | 115 | 2 | 0 | 0.011 | 0.025 | B | 0.0138 | 72 | NO | NO |
| 192523L | 16310 | MN | BROWN | TOWER RD | NEW ULM | PASSIVE | PASSIVE | 50 | 2 | 1 | 0.054 | 0.085 | B | 0.031 | 33 | NO | NO |
| 193488A | 16410 | MN | BROWN | 20TH SOUTH ST. | NEW ULM | FLASHING LIGHTS | FLASHING LIGHTS | 4500 | 4 | 0 | 0.044 | 0.066 | B | 0.0227 | 44 | NO | NO |
| 196260K | 16440 | MN | BROWN | SE 16th St | NEW ULM | PASSIVE | PASSIVE | 630 | 2 | 0 | 0.019 | 0.040 | B | 0.021 | 47 | NO | NO |
| 196261S | 16460 | MN | BROWN | S 12th St. | NEW ULM | GATES | GATES | 800 | 2 | 0 | 0.011 | 0.021 | B | 0.0101 | 99 | NO | NO |
| 193491H | 016490 | MN | BROWN | 7TH SOUTH ST. | NEW ULM | PASSIVE | PASSIVE | 550 | 2 | 0 | 0.031 | 0.060 | B | 0.0283 | 35 | NO | NO |

Pre/Post-Construction Accident Prediction Comparison
Minnesota 100 MNT
Alternative B

| FRA ID | MILEPOST | STATE | COUNTY | STREET | CITY | EXISTING DEVICE | PROPOSED DEVICE | ADT c | NO. HWY LANES | NO. OBSERVED ACCIDENTS 1993-1997 | Estimated Annual Accident Frequency Pre-Construction | Estimated Annual Accident Frequency Post-Construction | Category | Increase in Frequency | 1/Freq. | Trip Threshold | State Top 50 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 193492P | 16520 | MN | BROWN | 3RD SOUTH ST. | NEW ULM | FLASHING LIGHTS | FLASHING LIGHTS | 600 | 2 | 1 | 0.091 | 0.123 | B | 0.0318 | 31 | NO | NO |
| 193493W | 016540 | MN | BROWN | 1ST SOUTH ST. | NEW ULM | FLASHING LIGHTS | FLASHING LIGHTS | 1400 | 2 | 0 | 0.023 | 0.043 | B | 0.0194 | 52 | NO | NO |
| 193494D | 016550 | MN | BROWN | CENTER ST | NEW ULM | PASSIVE | PASSIVE | 1100 | 2 | 2 | 0.154 | 0.233 | A | 0.0792 | 13 | YES | YES |
| 193525A | 16560 | MN | BROWN | FIRST STREET | NEW ULM | PASSIVE | PASSIVE | 630 | 2 | 1 | 0.085 | 0.135 | A | 0.0508 | 20 | YES | YES |
| 193537U | 16570 | MN | BROWN | 3RD NORTH ST. | NEW ULM | FLASHING LIGHTS | FLASHING LIGHTS | 1750 | 2 | 1 | 0.066 | 0.093 | B | 0.0273 | 37 | NO | NO |
| 193536M | 16680 | MN | BROWN | MINNESOTA ST&17TH | NEW ULM | FLASHING LIGHTS | FLASHING LIGHTS | 970 | 2 | 0 | 0.021 | 0.034 | B | 0.0137 | 73 | NO | NO |
| 911203V | 16720 | MN | BROWN | N. 20th St. | NEW ULM | FLASHING LIGHTS | FLASHING LIGHTS | 3000 | 2 | 0 | 0.031 | 0.047 | B | 0.0166 | 60 | NO | NO |
| 193560N | 16800 | MN | BROWN | BOUNDARY ST./N 23 | NEW ULM | PASSIVE | PASSIVE | 630 | 2 | 1 | 0.066 | 0.101 | B | 0.0345 | 29 | NO | NO |
| 193572H | 016950 | MN | BROWN | CO RD 12 | NEW ULM | PASSIVE | PASSIVE | 75 | 2 | 0 | 0.010 | 0.020 | B | 0.0105 | 95 | NO | NO |
| 193573P | 017050 | MN | BROWN | TWP 128 | NEW ULM | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.009 | 0.020 | B | 0.0102 | 98 | NO | NO |
| 193579F | 017150 | MN | BROWN | TWP 245 | ESSIG | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.009 | 0.020 | B | 0.0102 | 98 | NO | NO |
| 193574W | 017250 | MN | BROWN | TWP 238 | ESSIG | PASSIVE | PASSIVE | 40 | 2 | 0 | 0.008 | 0.018 | B | 0.0093 | 108 | NO | NO |
| 193546T | 017310 | MN | BROWN | TWP 129 | ESSIG | PASSIVE | PASSIVE | 80 | 2 | 0 | 0.011 | 0.022 | B | 0.0114 | 88 | NO | NO |
| 193575D | 017360 | MN | BROWN | CO RD 11/Center St | ESSIG | PASSIVE | PASSIVE | 790 | 2 | 0 | 0.029 | 0.052 | B | 0.0233 | 43 | NO | NO |
| 193547A | 017370 | MN | BROWN | Essig W St/Twp 131 | ESSIG | PASSIVE | PASSIVE | 780 | 2 | 0 | 0.036 | 0.062 | B | 0.0260 | 38 | NO | NO |
| 193548G | 017510 | MN | BROWN | TWP 141 | ESSIG | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.009 | 0.020 | B | 0.0102 | 98 | NO | NO |
| 193577S | 17670 | MN | BROWN | CO RD 10 | SLEEPY EYE | PASSIVE | PASSIVE | 140 | 2 | 0 | 0.023 | 0.043 | B | 0.0202 | 50 | NO | NO |
| 193578Y | 017780 | MN | BROWN | TWP 225 | ESSIG | PASSIVE | PASSIVE | 116 | 2 | 1 | 0.050 | 0.073 | B | 0.0228 | 44 | NO | NO |
| 193558M | 017970 | MN | BROWN | 1ST AVE. | SLEEPY EYE | FLASHING LIGHTS | FLASHING LIGHTS | 3400 | 2 | 0 | 0.043 | 0.061 | B | 0.0179 | 56 | NO | NO |
| 193557F | 017980 | MN | BROWN | 2ND AVE | SLEEPY EYE | FLASHING LIGHTS | FLASHING LIGHTS | 3100 | 2 | 0 | 0.024 | 0.039 | B | 0.0149 | 67 | NO | NO |
| 193584C | 017990 | MN | BROWN | 4TH AVE SE/ CSAH | SLEEPY EYE | PASSIVE | PASSIVE | 1200 | 2 | 0 | 0.034 | 0.064 | B | 0.0295 | 34 | NO | NO |
| 193553D | 018040 | MN | BROWN | 9TH AVE SE | SLEEPY EYE | PASSIVE | PASSIVE | 850 | 2 | 1 | 0.083 | 0.134 | A | 0.0502 | 20 | YES | YES |
| 193554K | 018090 | MN | BROWN | Golf Course/Twp 218 | SLEEPY EYE | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.008 | 0.020 | B | 0.0112 | 89 | NO | NO |
| 193588E | 018280 | MN | BROWN | TWP 138 | SLEEPY EYE | PASSIVE | PASSIVE | 40 | 2 | 0 | 0.008 | 0.018 | B | 0.0093 | 108 | NO | NO |
| 193589L | 018380 | MN | BROWN | CO RD 8 | SLEEPY EYE | PASSIVE | PASSIVE | 300 | 2 | 2 | 0.144 | 0.210 | A | 0.0654 | 15 | YES | YES |
| 193590F | 018600 | MN | BROWN | CO RD 7 | COBDEN | PASSIVE | PASSIVE | 130 | 2 | 0 | 0.021 | 0.041 | B | 0.0193 | 52 | NO | NO |
| 193591M | 018610 | MN | BROWN | CENTER ST | COBDEN | PASSIVE | PASSIVE | 380 | 2 | 0 | 0.018 | 0.035 | B | 0.0171 | 58 | NO | NO |
| 193592U | 018700 | MN | BROWN | TWP 3 | COBDEN | PASSIVE | PASSIVE | 48 | 2 | 0 | 0.009 | 0.019 | B | 0.0098 | 102 | NO | NO |
| 193594H | 018870 | MN | BROWN | TWP 191 | COBDEN | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.009 | 0.020 | B | 0.0102 | 98 | NO | NO |
| 193595P | 018940 | MN | BROWN | MN HWY 258 | SPRINGFIELD | FLASHING LIGHTS | FLASHING LIGHTS | 370 | 2 | 0 | 0.016 | 0.028 | B | 0.0117 | 85 | NO | NO |
| 193596W | 019050 | MN | BROWN | TWP 90 | SPRINGFIELD | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.009 | 0.020 | B | 0.0102 | 98 | NO | NO |
| 193610P | 019140 | MN | BROWN | TWP 85 | SPRINGFIELD | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.009 | 0.020 | B | 0.0102 | 98 | NO | NO |
| 911204C | 19260 | MN | BROWN | Cnty Rd 5 | SPRINGFIELD | PASSIVE | PASSIVE | 1250 | 2 | 1 | 0.102 | 0.152 | A | 0.0491 | 20 | YES | YES |
| 193612D | 19270 | MN | BROWN | SANDBORN ST | SPRINGFIELD | PASSIVE | PASSIVE | 200 | 2 | 0 | 0.014 | 0.029 | B | 0.0146 | 68 | NO | NO |
| 193613K | 019290 | MN | BROWN | WASHINGTON AVE. | SPRINGFIELD | PASSIVE | PASSIVE | 380 | 2 | 0 | 0.027 | 0.053 | B | 0.0262 | 38 | NO | NO |
| 193599S | 019300 | MN | BROWN | LINCOLN ST | SPRINGFIELD | PASSIVE | PASSIVE | 380 | 2 | 0 | 0.027 | 0.053 | B | 0.0262 | 38 | NO | NO |
| 193614S | 019310 | MN | BROWN | CASS ST | SPRINGFIELD | FLASHING LIGHTS | FLASHING LIGHTS | 1650 | 2 | 0 | 0.028 | 0.044 | B | 0.0161 | 62 | NO | NO |
| 193616F | 019330 | MN | BROWN | OCONNELL AVE. | SPRINGFIELD | PASSIVE | PASSIVE | 770 | 2 | 1 | 0.092 | 0.146 | A | 0.0538 | 19 | YES | YES |
| 193600J | 019360 | MN | BROWN | BURNS AVE | SPRINGFIELD | PASSIVE | PASSIVE | 380 | 2 | 0 | 0.027 | 0.053 | B | 0.0262 | 38 | NO | NO |
| 193859H | 019410 | MN | BROWN | CO RD 4 | SPRINGFIELD | FLASHING LIGHTS | FLASHING LIGHTS | 410 | 2 | 0 | 0.018 | 0.030 | B | 0.0123 | 81 | NO | NO |
| 193710U | 019760 | MN | REDWOOD | CO RD 2 | SANBORN | PASSIVE | PASSIVE | 160 | 2 | 0 | 0.022 | 0.043 | B | 0.0209 | 48 | NO | NO |
| | | | | | | | Total | | | 13 | 1.707 | 2.807 | | 1.1001 | 1 | Number of crossings | |
| | | | | | | | Minimum | | | | 0.008 | 0.018 | | 0.0093 | 108 | In the County | 48 |
| | | | | | | | Maximum | | | | 0.154 | 0.233 | | 0.0792 | 13 | | |
| Redwood County | | | | | | | | | | | | | | | | | |
| 193711B | 20050 | MN | REDWOOD | TWP 2 | SANBORN | PASSIVE | PASSIVE | 56 | 2 | 0 | 0.008 | 0.020 | B | 0.0112 | 89 | NO | NO |
| 193664V | 020080 | MN | REDWOOD | TWP 153 | SANBORN | PASSIVE | PASSIVE | 146 | 2 | 0 | 0.012 | 0.026 | B | 0.0148 | 68 | NO | NO |
| 197897F | 020170 | MN | REDWOOD | MAIN ST. | SANBORN | FLASHING LIGHTS | FLASHING LIGHTS | 1300 | 2 | 0 | 0.035 | 0.052 | B | 0.0173 | 58 | NO | NO |
| 197896Y | 020180 | MN | REDWOOD | SOUTH ST. | SANBORN | PASSIVE | PASSIVE | 380 | 2 | 0 | 0.016 | 0.035 | B | 0.0189 | 53 | NO | NO |
| 193669E | 020260 | MN | REDWOOD | TWP 149 | SANBORN | PASSIVE | PASSIVE | 73 | 2 | 0 | 0.011 | 0.021 | B | 0.0107 | 93 | NO | NO |

Pre/Post-Construction Accident Prediction Comparison
Minnesota 100 MNT
Alternative B

| FRA ID | MILEPOST | STATE | COUNTY | STREET | CITY | EXISTING DEVICE | PROPOSED DEVICE | ADT c | NO. HWY LANES | NO. OBSERVED ACCIDENTS 1993-1997 | Estimated Annual Accident Frequency Pre-Construction | Estimated Annual Accident Frequency Post-Construction | Category | Increase in Frequency | 1/Freq. | Trip Threshold | State Top 50 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 193671F | 020370 | MN | REDWOOD | TWP 147 & 148 | SANBORN | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.009 | 0.020 | B | 0.0102 | 98 | NO | NO |
| 197895S | 020880 | MN | REDWOOD | MAIN ST. | LAMBERTON | FLASHING LIGHTS | FLASHING LIGHTS | 380 | 2 | 0 | 0.021 | 0.039 | B | 0.0182 | 55 | NO | NO |
| 197894K | 020910 | MN | REDWOOD | ILEX ST./CO RD 6 | LAMBERTON | FLASHING LIGHTS | FLASHING LIGHTS | 1300 | 2 | 0 | 0.026 | 0.042 | B | 0.0156 | 64 | NO | NO |
| 193712H | 21090 | MN | REDWOOD | TWP 190 | LAMBERTON | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.009 | 0.020 | B | 0.0102 | 98 | NO | NO |
| 193713P | 021300 | MN | REDWOOD | TWP 184 | REVERE | PASSIVE | PASSIVE | 99 | 2 | 0 | 0.011 | 0.024 | B | 0.0121 | 83 | NO | NO |
| 197789J | 021370 | MN | REDWOOD | MAIN ST./CO RD 127 | REVERE | FLASHING LIGHTS | FLASHING LIGHTS | 510 | 2 | 0 | 0.019 | 0.033 | B | 0.0132 | 76 | NO | NO |
| 193714W | 021410 | MN | REDWOOD | CO RD 7 | REVERE | PASSIVE | PASSIVE | 320 | 2 | 0 | 0.028 | 0.051 | B | 0.0229 | 44 | NO | NO |
| 193715D | 021500 | MN | REDWOOD | TWP 178 | REVERE | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.009 | 0.020 | B | 0.0102 | 98 | NO | NO |
| 193716K | 021610 | MN | REDWOOD | CO RD 10 | WALNUT GROVE | PASSIVE | PASSIVE | 125 | 2 | 0 | 0.021 | 0.040 | B | 0.0192 | 52 | NO | NO |
| 193717S | 021710 | MN | REDWOOD | TWP 127 | WALNUT GROVE | PASSIVE | PASSIVE | 44 | 2 | 0 | 0.009 | 0.018 | B | 0.0096 | 105 | NO | NO |
| 193718Y | 021810 | MN | REDWOOD | CO RD 80 | WALNUT GROVE | PASSIVE | PASSIVE | 530 | 2 | 0 | 0.032 | 0.057 | B | 0.0247 | 40 | NO | NO |
| 193719F | 021880 | MN | REDWOOD | 1ST ST | WALNUT GROVE | PASSIVE | PASSIVE | 49 | 2 | 1 | 0.045 | 0.063 | B | 0.0178 | 56 | NO | NO |
| 197893D | 021900 | MN | REDWOOD | 6TH ST. | WALNUT GROVE | FLASHING LIGHTS | FLASHING LIGHTS | 900 | 2 | 0 | 0.023 | 0.038 | B | 0.0147 | 68 | NO | NO |
| 197892W | 21920 | MN | REDWOOD | CO RD 5 | WALNUT GROVE | FLASHING LIGHTS | FLASHING LIGHTS | 1000 | 2 | 0 | 0.022 | 0.039 | B | 0.0170 | 59 | NO | NO |
| 193721G | 022110 | MN | REDWOOD | CO RD 75 | WALNUT GROVE | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.007 | 0.018 | B | 0.0102 | 98 | NO | NO |
| 193692Y | 022220 | MN | REDWOOD | TWP 160 | WALNUT GROVE | PASSIVE | PASSIVE | 40 | 2 | 0 | 0.007 | 0.018 | B | 0.0102 | 98 | NO | NO |
| 193694M | 022320 | MN | REDWOOD | TWP 158 | WALNUT GROVE | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.008 | 0.020 | B | 0.0112 | 89 | NO | NO |
| 193696B | 022410 | MN | REDWOOD | TWP 154 (County Line) | TRACY | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.007 | 0.020 | B | 0.0121 | 83 | NO | NO |
| 193697H | 022510 | MN | REDWOOD | TWP 18 | TRACY | PASSIVE | PASSIVE | 37 | 2 | 0 | 0.006 | 0.017 | B | 0.0107 | 93 | NO | NO |
| | | | | | | | Total | | | 1 | 0.404 | 0.747 | | 0.3430 | 3 | Number of crossings | |
| | | | | | | | Minimum | | | | 0.006 | 0.017 | | 0.0096 | 105 | in the County | 24 |
| | | | | | | | Maximum | | | | 0.045 | 0.063 | | 0.0247 | 40 | | |
| Lyon County | | | | | | | | | | | | | | | | | |
| 193722N | 022650 | MN | LYON | CENTER ST | TRACY | GATES | GATES | 1450 | 4 | 0 | 0.025 | 0.040 | B | 0.0154 | 65 | NO | NO |
| 193741T | 022660 | MN | LYON | 4TH ST. | TRACY | GATES | GATES | 2200 | 2 | 1 | 0.047 | 0.068 | B | 0.0209 | 48 | NO | NO |
| 193742A | 022720 | MN | LYON | HIGHLINE RD 73 | TRACY | PASSIVE | PASSIVE | 650 | 2 | 0 | 0.033 | 0.060 | B | 0.0264 | 38 | NO | NO |
| 193699W | 022800 | MN | LYON | CO RD 14 | TRACY | PASSIVE | PASSIVE | 320 | 2 | 2 | 0.128 | 0.189 | A | 0.0618 | 16 | YES | YES |
| 193700N | 022830 | MN | LYON | TWP 227 | TRACY | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.009 | 0.020 | B | 0.0106 | 95 | NO | NO |
| 193702C | 022950 | MN | LYON | CO RD 14 | TRACY | PASSIVE | PASSIVE | 225 | 2 | 0 | 0.024 | 0.047 | B | 0.0223 | 45 | NO | NO |
| 193708T | 023150 | MN | LYON | TWP 217 | GARVIN | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.009 | 0.020 | B | 0.0106 | 95 | NO | NO |
| 193709A | 023250 | MN | LYON | TWP 208 | GARVIN | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.009 | 0.020 | B | 0.0106 | 95 | NO | NO |
| 193810Y | 023350 | MN | LYON | US HWY 59 | GARVIN | FLASHING LIGHTS | FLASHING LIGHTS | 1350 | 2 | 0 | 0.023 | 0.038 | B | 0.0145 | 69 | NO | NO |
| 193757P | 023390 | MN | LYON | 1ST ST | GARVIN | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.009 | 0.020 | B | 0.0106 | 95 | NO | NO |
| 193758W | 023450 | MN | LYON | TWP 201 | GARVIN | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.009 | 0.020 | B | 0.0106 | 95 | NO | NO |
| 193759D | 023550 | MN | LYON | TWP 194 | GARVIN | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.009 | 0.020 | B | 0.0106 | 95 | NO | NO |
| 193743G | 023660 | MN | LYON | CO RD 7 | BALATON | PASSIVE | PASSIVE | 155 | 2 | 0 | 0.022 | 0.042 | B | 0.0208 | 48 | NO | NO |
| 193744N | 023760 | MN | LYON | TWP 190 | BALATON | PASSIVE | PASSIVE | 73 | 2 | 0 | 0.010 | 0.021 | B | 0.0115 | 87 | NO | NO |
| 193745V | 023860 | MN | LYON | TWP 27 | BALATON | PASSIVE | PASSIVE | 5 | 2 | 0 | 0.004 | 0.009 | B | 0.0049 | 204 | NO | NO |
| 193797M | 023940 | MN | LYON | 2ND ST. SW | BALATON | FLASHING LIGHTS | FLASHING LIGHTS | 1050 | 2 | 1 | 0.065 | 0.093 | B | 0.0271 | 37 | NO | NO |
| 193748R | 023990 | MN | LYON | CO RD 5 | BALATON | FLASHING LIGHTS | FLASHING LIGHTS | 710 | 2 | 0 | 0.019 | 0.031 | B | 0.0128 | 78 | NO | NO |
| 193751Y | 024180 | MN | LYON | TWP 14 | BALATON | PASSIVE | PASSIVE | 38 | 2 | 0 | 0.008 | 0.017 | B | 0.0094 | 106 | NO | NO |
| 193752F | 024230 | MN | LYON | TWP 176 | BALATON | PASSIVE | PASSIVE | 45 | 2 | 0 | 0.008 | 0.018 | B | 0.0099 | 101 | NO | NO |
| 193753M | 024330 | MN | LYON | TWP 244 | BALATON | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.009 | 0.020 | B | 0.0106 | 95 | NO | NO |
| 193755B | 024440 | MN | LYON | MN HWY 91 | BALATON | FLASHING LIGHTS | FLASHING LIGHTS | 495 | 2 | 0 | 0.016 | 0.032 | B | 0.0159 | 63 | NO | NO |
| 193725J | 024590 | MN | LYON | TWP 15 | BALATON | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.016 | 0.032 | B | 0.0164 | 61 | NO | NO |
| 193726R | 024640 | MN | LYON | CO RD 13 | TYLER | PASSIVE | PASSIVE | 50 | 2 | 0 | 0.015 | 0.031 | B | 0.0160 | 62 | NO | NO |
| 193730F | 024920 | MN | LYON | TWP 262 | TYLER | PASSIVE | PASSIVE | 16 | 2 | 0 | 0.006 | 0.013 | B | 0.0072 | 139 | NO | NO |
| 193732U | 024980 | MN | LYON | CO RD 51 | TYLER | PASSIVE | PASSIVE | 15 | 2 | 0 | 0.006 | 0.013 | B | 0.0071 | 142 | NO | NO |
| | | | | | | | Total | | | 4 | 0.537 | 0.932 | | 0.3943 | 3 | Number of crossings | |
| | | | | | | | Minimum | | | | 0.004 | 0.009 | | 0.0049 | 204 | in the County | 25 |

Pre/Post-Construction Accident Prediction Comparison
Minnesota 100 MNT
Alternative B

| FRA ID | MILEPOST | STATE | COUNTY | STREET | CITY | EXISTING DEVICE | PROPOSED DEVICE | ADT c | NO. HWY LANES | NO. OBSERVED ACCIDENTS 1993-1997 | Estimated Annual Accident Frequency Pre-Construction | Estimated Annual Accident Frequency Post-Construction | Category | Increase in Frequency | 1/Freq. | Trip Threshold | State Top 50 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Maximum | | | | 0.128 | 0.189 | | 0.0618 | 16 | | |
| Lincoln County | | | | | | | | | | | | | | | | | |
| 193734H | 025180 | MN | LINCOLN | TWP 82 | TYLER | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.009 | 0.020 | B | 0.0106 | 95 | NO | NO |
| 193736W | 025290 | MN | LINCOLN | CO RD 115 | TYLER | PASSIVE | PASSIVE | 380 | 2 | 0 | 0.017 | 0.035 | B | 0.0177 | 56 | NO | NO |
| 193798U | 025340 | MN | LINCOLN | WILLOW ST | TYLER | PASSIVE | PASSIVE | 380 | 2 | 1 | 0.080 | 0.124 | B | 0.0440 | 23 | NO | NO |
| 193799B | 025350 | MN | LINCOLN | TYLER ST | TYLER | GATES | GATES | 3150 | 2 | 0 | 0.018 | 0.029 | B | 0.0108 | 92 | NO | NO |
| 193800T | 025380 | MN | LINCOLN | CO RD 8 | TYLER | GATES | GATES | 1000 | 2 | 0 | 0.014 | 0.023 | B | 0.0089 | 112 | NO | NO |
| 193737D | 025490 | MN | LINCOLN | TWP 90 | TYLER | PASSIVE | PASSIVE | 59 | 2 | 0 | 0.009 | 0.020 | B | 0.0108 | 93 | NO | NO |
| 193740L | 025590 | MN | LINCOLN | TWP 96 | TYLER | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.009 | 0.020 | B | 0.0106 | 95 | NO | NO |
| 193761E | 025690 | MN | LINCOLN | CO RD 111 | TYLER | PASSIVE | PASSIVE | 95 | 2 | 0 | 0.011 | 0.023 | B | 0.0124 | 81 | NO | NO |
| 193762L | 025790 | MN | LINCOLN | TWP 100 | LAKE BENTON | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.009 | 0.020 | B | 0.0106 | 95 | NO | NO |
| 193764A | 025900 | MN | LINCOLN | TWP 104 | LAKE BENTON | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.009 | 0.020 | B | 0.0106 | 95 | NO | NO |
| 193801A | 026160 | MN | LINCOLN | CENTER ST. | LAKE BENTON | GATES | GATES | 1100 | 2 | 0 | 0.012 | 0.020 | B | 0.0082 | 122 | NO | NO |
| 193802G | 026190 | MN | LINCOLN | BENTON ST. | LAKE BENTON | PASSIVE | PASSIVE | 450 | 2 | 1 | 0.083 | 0.128 | A | 0.0452 | 22 | YES | YES |
| 193768C | 026330 | MN | LINCOLN | TWP 100 | LAKE BENTON | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.009 | 0.020 | B | 0.0106 | 95 | NO | NO |
| 193769J | 026480 | MN | LINCOLN | TWP 7 | LAKE BENTON | PASSIVE | PASSIVE | 55 | 2 | 0 | 0.009 | 0.020 | B | 0.0106 | 95 | NO | NO |
| 193770D | 026590 | MN | LINCOLN | CO RD 9 | VERDI | FLASHING LIGHTS | FLASHING LIGHTS | 450 | 2 | 0 | 0.016 | 0.032 | B | 0.0156 | 64 | NO | NO |
| 193771K | 026730 | MN | LINCOLN | TWP 125 | VERDI | PASSIVE | PASSIVE | 50 | 2 | 0 | 0.009 | 0.019 | B | 0.0103 | 97 | NO | NO |
| 193773Y | 026750 | MN | LINCOLN | CO RD 9 | VERDI | PASSIVE | PASSIVE | 150 | 2 | 0 | 0.021 | 0.042 | B | 0.0206 | 49 | NO | NO |
| 193772S | 026780 | MN | LINCOLN | MAIN STREET | VERDI | PASSIVE | PASSIVE | 23 | 2 | 0 | 0.007 | 0.015 | B | 0.0081 | 124 | NO | NO |
| 193776U | 026830 | MN | LINCOLN | CO RD 2 | VERDI | PASSIVE | PASSIVE | 75 | 2 | 0 | 0.017 | 0.035 | B | 0.0177 | 57 | NO | NO |
| 193780J | 026940 | MN | LINCOLN | TWP 132 | VERDI | PASSIVE | PASSIVE | 720 | 2 | 0 | 0.021 | 0.042 | B | 0.0204 | 49 | NO | NO |
| 193782X | 27040 | MN | LINCOLN | TWP 133 | VERDI | PASSIVE | PASSIVE | 40 | 2 | 0 | 0.008 | 0.018 | B | 0.0096 | 104 | NO | NO |
| 193783E | 027140 | MN | LINCOLN | CO RD 1 | ELKTON | PASSIVE | PASSIVE | 110 | 2 | 0 | 0.019 | 0.039 | B | 0.0193 | 52 | NO | NO |
| 193784L | 027250 | MN | LINCOLN | TWP 138 | ELKTON | PASSIVE | PASSIVE | 44 | 2 | 0 | 0.008 | 0.018 | B | 0.0099 | 101 | NO | NO |
| | | | | | | | Total | | | 2 | 0.424 | 0.777 | | 0.3528 | 3 | Number of crossings | |
| | | | | | | | Minimum | | | | 0.007 | 0.015 | | 0.0081 | 124 | in the County | 23 |
| | | | | | | | Maximum | | | | 0.083 | 0.128 | | 0.0452 | 22 | | |

Pre-Construction Accident Prediction Summary
Minnesota 20 MNT
Alternative C

| FRA ID | MILEPOST | STATE | COUNTY | STREET | CITY | EXISTING DEVICE | ADT c | TRNS PER DAY t | NO. THRU TRNS/DAY DAYLIGHT d | MAX. TT SPEED (MPH) | NO. MAIN TRKS | HWY PAVED YES=1 NO=2 | NO. HWY LANES | BASIC FORMULA INITIAL (ACCIDENTS/YR) a | NO. YRS T | NO. OBSERVED ACCIDENTS 1993-1997 N | PREDICTED ACCIDENTS PER YR B | Estimated Annual Accident Frequency A |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Segment 1 Winona to Lewiston MP 0 to 18.4** | | | | | | | | | | | | | | | | | | |
| 193171H | 000520 | MN | WINONA | Martina & 11th St. | WINONA | PASSIVE | 460 | 10 | 6 | 40 | 1 | 2 | 1 | 0.040 | 5 | 0 | 0.027 | 0.020 |
| 193197K | 000620 | MN | WINONA | Canton Mills | MINNESOTA CITY | PASSIVE | 100 | 10 | 6 | 40 | 1 | 2 | 1 | 0.023 | 5 | 0 | 0.017 | 0.012 |
| 193200R | 000860 | MN | WINONA | CNTY RD 23 | MINNESOTA CITY | FLASHING LIGHTS | 2500 | 10 | 6 | 30 | 1 | 1 | 2 | 0.089 | 5 | 0 | 0.053 | 0.028 |
| 193176S | 000930 | MN | WINONA | CNTY RD 6 | STOCKTON | PASSIVE | 55 | 10 | 6 | 30 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 193201X | 001110 | MN | WINONA | MAIN ST/CO RD 23 | STOCKTON | FLASHING LIGHTS | 1750 | 10 | 6 | 30 | 1 | 1 | 2 | 0.077 | 5 | 0 | 0.047 | 0.025 |
| 193206G | 001680 | MN | WINONA | DUTCHMAN/ TWP 1 | LEWISTON | PASSIVE | 55 | 10 | 6 | 30 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 193207N | 001780 | MN | WINONA | CO RD 25 | LEWISTON | FLASHING LIGHTS | 1850 | 10 | 6 | 30 | 1 | 1 | 2 | 0.079 | 5 | 0 | 0.048 | 0.025 |
| 193209C | 001840 | MN | WINONA | FREMONT STREET | LEWISTON | GATES | 1700 | 10 | 6 | 30 | 2 | 1 | 2 | 0.047 | 5 | 0 | 0.032 | 0.016 |
| **Segment 2 Lewiston to Owatonna MP 18.4 to 88.1** | | | | | | | | | | | | | | | | | | |
| 193210W | 1900 | MN | WINONA | Golf Crossing | | PASSIVE | 55 | 12 | 8 | 30 | 1 | 2 | 1 | 0.018 | 5 | 0 | 0.014 | 0.010 |
| 193211D | 002090 | MN | WINONA | TWP 13 | UTICA | PASSIVE | 55 | 12 | 8 | 30 | 1 | 2 | 2 | 0.018 | 5 | 0 | 0.014 | 0.010 |
| 193247L | 002190 | MN | WINONA | CO RD 18 | UTICA | PASSIVE | 200 | 12 | 8 | 35 | 1 | 1 | 2 | 0.056 | 5 | 0 | 0.037 | 0.026 |
| 193248T | 002270 | MN | WINONA | CENTER STREET | UTICA | FLASHING LIGHTS | 950 | 12 | 8 | 35 | 1 | 1 | 2 | 0.066 | 5 | 2 | 0.189 | 0.100 |
| 193249A | 2300 | MN | WINONA | 2nd. Avenue | UTICA | PASSIVE | 39 | 12 | 8 | 35 | 1 | 2 | 1 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 193250U | 002400 | MN | WINONA | TWP 5 | UTICA | PASSIVE | 55 | 12 | 8 | 35 | 1 | 2 | 2 | 0.019 | 5 | 0 | 0.014 | 0.010 |
| 193251B | 2540 | MN | WINONA | Co Rd 37 | UTICA | PASSIVE | 180 | 12 | 8 | 35 | 1 | 2 | 2 | 0.030 | 5 | 0 | 0.021 | 0.015 |
| 193253P | 002650 | MN | WINONA | Twp 13 | ST CHARLES | PASSIVE | 55 | 12 | 8 | 35 | 1 | 2 | 2 | 0.019 | 5 | 0 | 0.014 | 0.010 |
| 193193H | 2780 | MN | WINONA | Terry Drive | ST CHARLES | FLASHING LIGHTS | 500 | 12 | 8 | 35 | 2 | 1 | 2 | 0.061 | 5 | 0 | 0.039 | 0.021 |
| 193254W | 002820 | MN | WINONA | RICHLAND AVE | ST CHARLES | PASSIVE | 380 | 12 | 8 | 35 | 2 | 1 | 2 | 0.071 | 5 | 0 | 0.044 | 0.032 |
| 193255D | 002840 | MN | WINONA | WHITEWATER | ST CHARLES | GATES | 4050 | 12 | 8 | 35 | 2 | 1 | 4 | 0.088 | 5 | 0 | 0.052 | 0.026 |
| 193256K | 002850 | MN | WINONA | ST. CHARLES AVE | ST CHARLES | PASSIVE | 780 | 12 | 8 | 35 | 1 | 1 | 2 | 0.093 | 5 | 0 | 0.054 | 0.039 |
| 193257S | 002870 | MN | WINONA | W. 11TH STREET | ST CHARLES | PASSIVE | 480 | 12 | 8 | 35 | 1 | 1 | 2 | 0.078 | 5 | 0 | 0.047 | 0.034 |
| 193194P | 2900 | MN | WINONA | Co Rd 126/West End | ST CHARLES | PASSIVE | 380 | 12 | 8 | 30 | 1 | 1 | 2 | 0.069 | 5 | 0 | 0.043 | 0.031 |
| 193258Y | 003010 | MN | OLMSTED | TWP 668 | ST CHARLES | PASSIVE | 25 | 12 | 8 | 35 | 1 | 2 | 2 | 0.014 | 5 | 0 | 0.011 | 0.008 |
| 193259F | 003040 | MN | OLMSTED | 19TH AVE/ TWP 591 | DOVER | PASSIVE | 25 | 12 | 8 | 35 | 1 | 2 | 2 | 0.014 | 5 | 0 | 0.011 | 0.008 |
| 193195W | 003090 | MN | OLMSTED | TWP 667 | DOVER | PASSIVE | 25 | 12 | 8 | 30 | 1 | 2 | 1 | 0.014 | 5 | 0 | 0.010 | 0.007 |
| 193260A | 003220 | MN | OLMSTED | CHATFIELD ST | DOVER | FLASHING LIGHTS | 1300 | 12 | 8 | 35 | 1 | 1 | 2 | 0.075 | 5 | 1 | 0.123 | 0.065 |
| 193261G | 003420 | MN | OLMSTED | CSAH 32 | DOVER | PASSIVE | 200 | 12 | 8 | 35 | 1 | 2 | 2 | 0.031 | 5 | 0 | 0.022 | 0.016 |
| 193262N | 003530 | MN | OLMSTED | 140 AVE SE/TWP 90 | EYOTA | PASSIVE | 50 | 12 | 8 | 35 | 1 | 2 | 2 | 0.019 | 5 | 0 | 0.014 | 0.010 |
| 193263V | 003680 | MN | OLMSTED | Center Ave/ CSAH 7 | EYOTA | GATES | 2300 | 12 | 8 | 35 | 3 | 1 | 4 | 0.086 | 5 | 0 | 0.051 | 0.025 |
| 193289X | 006130 | MN | DODGE | CO RD 15 | BYRON | PASSIVE | 670 | 12 | 8 | 35 | 1 | 1 | 2 | 0.088 | 5 | 1 | 0.134 | 0.096 |
| 193290S | 006230 | MN | DODGE | TWP 30 | KASSON | PASSIVE | 55 | 12 | 8 | 35 | 1 | 2 | 2 | 0.019 | 5 | 0 | 0.014 | 0.010 |
| 193291Y | 006350 | MN | DODGE | MANTORVILLE AVE. | KASSON | GATES | 2750 | 12 | 8 | 35 | 1 | 1 | 2 | 0.051 | 5 | 0 | 0.034 | 0.017 |
| 193292F | 006360 | MN | DODGE | SECOND AVE S.W. | KASSON | PASSIVE | 610 | 12 | 8 | 35 | 1 | 1 | 2 | 0.085 | 5 | 0 | 0.051 | 0.036 |
| 193293M | 006370 | MN | DODGE | THIRD AVE SW | KASSON | PASSIVE | 360 | 12 | 8 | 35 | 1 | 1 | 2 | 0.070 | 5 | 0 | 0.044 | 0.031 |
| 193294U | 006430 | MN | DODGE | EIGHTH AVE. S.W. | KASSON | PASSIVE | 860 | 12 | 8 | 35 | 2 | 1 | 2 | 0.096 | 5 | 0 | 0.056 | 0.040 |
| 196630L | 006520 | MN | DODGE | US HWY 14 | KASSON | FLASHING LIGHTS | 7900 | 12 | 8 | 30 | 1 | 1 | 2 | 0.158 | 5 | 0 | 0.077 | 0.041 |
| 193296H | 006530 | MN | DODGE | CO RD 34/ TWP 134 | KASSON | PASSIVE | 60 | 12 | 8 | 35 | 1 | 2 | 2 | 0.020 | 5 | 0 | 0.015 | 0.011 |
| 193357W | 006630 | MN | DODGE | CO RD 9 | KASSON | PASSIVE | 540 | 12 | 8 | 35 | 1 | 1 | 2 | 0.081 | 5 | 0 | 0.049 | 0.035 |
| 193358D | 006740 | MN | DODGE | TWP 139 | DODGE CENTER | PASSIVE | 45 | 12 | 8 | 35 | 1 | 2 | 2 | 0.018 | 5 | 0 | 0.013 | 0.010 |
| 193359K | 006840 | MN | DODGE | AIRPORT DRIVE N. | DODGE CENTER | PASSIVE | 135 | 12 | 8 | 35 | 2 | 1 | 2 | 0.049 | 5 | 0 | 0.033 | 0.023 |
| 193297P | 006890 | MN | DODGE | 4TH AVE. S.E. | DODGE CENTER | PASSIVE | 380 | 12 | 8 | 20 | 1 | 2 | 2 | 0.035 | 5 | 2 | 0.144 | 0.103 |
| 193360E | 006900 | MN | DODGE | SECOND AVE. S.E. | DODGE CENTER | PASSIVE | 380 | 12 | 8 | 20 | 2 | 1 | 2 | 0.063 | 5 | 0 | 0.041 | 0.029 |
| 193361L | 006910 | MN | DODGE | FIRST AVE. S.E. | DODGE CENTER | PASSIVE | 380 | 12 | 8 | 20 | 1 | 1 | 2 | 0.063 | 5 | 0 | 0.041 | 0.029 |
| 193298W | 006920 | MN | DODGE | CENTRAL AVE | DODGE CENTER | PASSIVE | 380 | 12 | 8 | 20 | 2 | 1 | 2 | 0.063 | 5 | 1 | 0.113 | 0.081 |
| 193362T | 006930 | MN | DODGE | FIRST AVE S.W. | DODGE CENTER | PASSIVE | 380 | 12 | 8 | 35 | 1 | 1 | 2 | 0.071 | 5 | 0 | 0.044 | 0.032 |
| 193299D | 006940 | MN | DODGE | 2ND AVE. S.W. | DODGE CENTER | PASSIVE | 380 | 12 | 8 | 35 | 1 | 1 | 2 | 0.071 | 5 | 0 | 0.044 | 0.032 |

Pre-Construction Accident Prediction Summary
Minnesota 20 MNT
Alternative C

| FRA ID | MILEPOST | STATE | COUNTY | STREET | CITY | EXISTING DEVICE | ADT c | TRNS PER DAY t | NO. THRU TRNS/DAY DAYLIGHT d | MAX. TT SPEED (MPH) | NO. MAIN TRKS | HWY PAVED YES=1 NO=2 | NO. HWY LANES | BASIC FORMULA INITIAL (ACCIDENTS/YR) a | NO. YRS T | NO. OBSERVED ACCIDENTS 1993-1997 N | PREDICTED ACCIDENTS PER YR B | Estimated Annual Accident Frequency A |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 193363A | 006950 | MN | DODGE | THIRD AVE N.W. | DODGE CENTER | FLASHING LIGHTS | 3300 | 12 | 8 | 35 | 1 | 1 | 2 | 0.110 | 5 | 1 | 0.150 | 0.079 |
| 193300V | 007000 | MN | DODGE | CO RD H | DODGE CENTER | PASSIVE | 500 | 12 | 8 | 35 | 1 | 1 | 2 | 0.079 | 5 | 0 | 0.048 | 0.034 |
| 193364G | 007140 | MN | DODGE | TWP 145 | DODGE CENTER | PASSIVE | 55 | 12 | 8 | 35 | 1 | 2 | 2 | 0.019 | 5 | 0 | 0.014 | 0.010 |
| 193303R | 7190 | MN | DODGE | Twp 153 | DODGE CENTER | PASSIVE | 10 | 12 | 8 | 35 | 1 | 2 | 2 | 0.010 | 5 | 0 | 0.008 | 0.006 |
| 193365N | 007270 | MN | DODGE | CO RD 5 | CLAREMONT | PASSIVE | 310 | 12 | 8 | 35 | 1 | 1 | 2 | 0.066 | 5 | 0 | 0.042 | 0.030 |
| 193366V | 007320 | MN | DODGE | TWP 180 | CLAREMONT | PASSIVE | 49 | 12 | 8 | 35 | 1 | 2 | 2 | 0.018 | 5 | 0 | 0.014 | 0.010 |
| 193367C | 7370 | MN | DODGE | TWP 154 | CLAREMONT | PASSIVE | 55 | 12 | 8 | 35 | 1 | 2 | 2 | 0.019 | 5 | 0 | 0.014 | 0.010 |
| 193368J | 007480 | MN | DODGE | TWP 157 | CLAREMONT | PASSIVE | 55 | 12 | 8 | 35 | 1 | 2 | 2 | 0.019 | 5 | 0 | 0.014 | 0.010 |
| 193369R | 007580 | MN | DODGE | CO RD 3 | CLAREMONT | PASSIVE | 570 | 12 | 8 | 35 | 1 | 1 | 2 | 0.083 | 5 | 0 | 0.050 | 0.036 |
| 193370K | 007640 | MN | DODGE | ELM | CLAREMONT | PASSIVE | 380 | 12 | 8 | 35 | 3 | 2 | 1 | 0.039 | 5 | 0 | 0.027 | 0.019 |
| 193371S | 007680 | MN | DODGE | CO RD 1 | CLAREMONT | PASSIVE | 550 | 12 | 8 | 35 | 1 | 1 | 2 | 0.082 | 5 | 1 | 0.129 | 0.092 |
| 193307T | 007780 | MN | DODGE | TWP 171 | CLAREMONT | PASSIVE | 55 | 12 | 8 | 35 | 1 | 2 | 2 | 0.019 | 5 | 0 | 0.014 | 0.010 |
| 193372Y | 007980 | MN | STEELE | CO RD 16/ SE 84 AVE | CLAREMONT | PASSIVE | 175 | 12 | 8 | 35 | 1 | 1 | 2 | 0.053 | 5 | 0 | 0.035 | 0.025 |
| 193373F | 008090 | MN | STEELE | SE 74TH AVE | CLAREMONT | PASSIVE | 55 | 12 | 8 | 35 | 1 | 2 | 2 | 0.019 | 5 | 0 | 0.014 | 0.010 |
| 193311H | 8130 | MN | STEELE | SE 28th Ave | CLAREMONT | PASSIVE | 55 | 12 | 8 | 35 | 1 | 2 | 2 | 0.019 | 5 | 0 | 0.014 | 0.010 |
| 193374M | 008180 | MN | STEELE | SE 64TH STREET | OWATONNA | PASSIVE | 80 | 12 | 8 | 35 | 1 | 2 | 2 | 0.022 | 5 | 0 | 0.016 | 0.012 |
| 193375U | 008290 | MN | STEELE | US HWY 14 | OWATONNA | FLASHING LIGHTS | 4700 | 12 | 8 | 35 | 1 | 1 | 4 | 0.183 | 5 | 1 | 0.192 | 0.102 |
| 193376B | 008390 | MN | STEELE | SE 44 AVE/ CO RD 59 | OWATONNA | PASSIVE | 365 | 12 | 8 | 35 | 1 | 1 | 2 | 0.070 | 5 | 0 | 0.044 | 0.031 |
| 193312P | 008500 | MN | STEELE | SE 34TH AVE | OWATONNA | PASSIVE | 55 | 12 | 8 | 35 | 1 | 2 | 2 | 0.019 | 5 | 0 | 0.014 | 0.010 |
| 193377H | 008540 | MN | STEELE | CO RD 71 | OWATONNA | PASSIVE | 155 | 12 | 8 | 35 | 1 | 1 | 2 | 0.051 | 5 | 0 | 0.034 | 0.024 |
| 193382E | 8740 | MN | STEELE | RICE LAKE STREET | OWATONNA | FLASHING LIGHTS | 1500 | 12 | 8 | 35 | 1 | 1 | 2 | 0.080 | 5 | 0 | 0.048 | 0.026 |
| 380294J | 8750 | MN | STEELE | E. Vine St | OWATONNA | PASSIVE | 200 | 12 | 7.5 | 35 | 1 | 1 | 2 | 0.056 | 5 | 0 | 0.037 | 0.026 |
| 187034M | 8760 | MN | STEELE | Chestnut St | OWATONNA | PASSIVE | 200 | 12 | 7.5 | 35 | 1 | 2 | 1 | 0.031 | 5 | 0 | 0.022 | 0.016 |
| 187033F | 008776 | MN | STEELE | ROSE ST | OWATONNA | GATES | 3515 | 12 | 8 | 35 | 1 | 1 | 2 | 0.054 | 5 | 0 | 0.036 | 0.018 |
| 187032Y | 8780 | MN | STEELE | Pine Ave | OWATONNA | GATES | 2000 | 12 | 7.5 | 35 | 1 | 1 | 2 | 0.046 | 5 | 0 | 0.031 | 0.015 |
| Segment 3<br>Owatonna to Waseca<br>MP 88.1 to 102.5 | | | | | | | | | | | | | | | | | | |
| 193383L | 8830 | MN | STEELE | ELM AVE | OWATONNA | FLASHING LIGHTS | 2515 | 14 | 9 | 35 | 4 | 1 | 4 | 0.273 | 5 | 0 | 0.104 | 0.055 |
| 193384T | 008840 | MN | STEELE | CEDAR AVE | OWATONNA | FLASHING LIGHTS | 6800 | 14 | 9 | 35 | 3 | 1 | 4 | 0.339 | 5 | 0 | 0.115 | 0.061 |
| 193388V | 008890 | MN | STEELE | STATE AVE | OWATONNA | FLASHING LIGHTS | 5600 | 14 | 9 | 35 | 1 | 1 | 2 | 0.148 | 5 | 0 | 0.074 | 0.039 |
| 193390W | 008950 | MN | STEELE | PARK DRIVE | OWATONNA | FLASHING LIGHTS | 125 | 14 | 9 | 35 | 1 | 1 | 2 | 0.031 | 5 | 0 | 0.022 | 0.012 |
| 193391D | 008970 | MN | STEELE | 24TH AVE. N.W. | OWATONNA | FLASHING LIGHTS | 2700 | 14 | 9 | 35 | 1 | 1 | 2 | 0.110 | 5 | 1 | 0.150 | 0.079 |
| 193392K | 009030 | MN | STEELE | 32ND AVE/ TWP 229 | OWATONNA | PASSIVE | 70 | 14 | 9 | 35 | 1 | 2 | 2 | 0.023 | 5 | 1 | 0.070 | 0.050 |
| 193394Y | 9250 | MN | STEELE | 52 AVE SW/ CO RD 17 | OWATONNA | PASSIVE | 290 | 14 | 9 | 35 | 1 | 1 | 4 | 0.070 | 5 | 0 | 0.044 | 0.031 |
| 193395F | 9350 | MN | STEELE | NW 62ND AVE | OWATONNA | PASSIVE | 100 | 14 | 9 | 35 | 1 | 1 | 4 | 0.047 | 5 | 0 | 0.032 | 0.023 |
| 193397U | 009640 | MN | STEELE | SW 92ND AVE | MERIDEN | PASSIVE | 555 | 14 | 9 | 35 | 1 | 1 | 2 | 0.089 | 5 | 1 | 0.135 | 0.096 |
| 193398B | 009780 | MN | WASECA | 178TH ST/ TWP 128 | MERIDEN | PASSIVE | 55 | 14 | 9 | 35 | 1 | 2 | 2 | 0.021 | 5 | 2 | 0.120 | 0.086 |
| 193399H | 009930 | MN | WASECA | GOOSE LAKE XING | WASECA | PASSIVE | 10 | 14 | 9 | 35 | 1 | 2 | 1 | 0.011 | 5 | 0 | 0.009 | 0.006 |
| 193400A | 010090 | MN | WASECA | 145TH ST/ CO RD 5 | WASECA | PASSIVE | 500 | 14 | 9 | 35 | 1 | 1 | 2 | 0.086 | 5 | 0 | 0.051 | 0.037 |
| 193403V | 010180 | MN | WASECA | 8TH STREET S.E. | WASECA | FLASHING LIGHTS | 2000 | 14 | 9 | 35 | 1 | 1 | 2 | 0.097 | 5 | 0 | 0.056 | 0.030 |
| 193404C | 010200 | MN | WASECA | 7TH STREET SE | WASECA | PASSIVE | 200 | 14 | 9 | 35 | 1 | 1 | 2 | 0.061 | 5 | 1 | 0.111 | 0.079 |
| 193405J | 010220 | MN | WASECA | 5TH ST. SE | WASECA | PASSIVE | 2700 | 14 | 9 | 35 | 1 | 1 | 2 | 0.160 | 5 | 0 | 0.078 | 0.056 |
| 193406R | 010250 | MN | WASECA | STATE ST. | WASECA | FLASHING LIGHTS | 7900 | 14 | 9 | 20 | 1 | 1 | 2 | 0.171 | 5 | 0 | 0.081 | 0.043 |
| Segment 4<br>Waseca to Walnut Grove<br>MP 102.5 to 219 | | | | | | | | | | | | | | | | | | |
| 193314D | 010260 | MN | WASECA | 2ND ST. S.W. | WASECA | FLASHING LIGHTS | 1050 | 10 | 6 | 20 | 1 | 1 | 2 | 0.063 | 5 | 0 | 0.040 | 0.021 |
| 193315K | 010270 | MN | WASECA | 4TH ST. S.W. | WASECA | GATES | 2700 | 10 | 6 | 20 | 3 | 1 | 2 | 0.063 | 5 | 0 | 0.040 | 0.020 |
| 193317Y | 010340 | MN | WASECA | CO RD 57 | WASECA | FLASHING LIGHTS | 650 | 10 | 6 | 20 | 1 | 1 | 2 | 0.051 | 5 | 0 | 0.034 | 0.018 |

Pre-Construction Accident Prediction Summary
Minnesota 20 MNT
Alternative C

| FRA ID | MILEPOST | STATE | COUNTY | STREET | CITY | EXISTING DEVICE | ADT c | TRNS PER DAY t | NO. THRU TRNS/DAY DAYLIGHT d | MAX. TT SPEED (MPH) | NO. MAIN TRKS | HWY PAVED YES=1 NO=2 | NO. HWY LANES | BASIC FORMULA INITIAL (ACCIDENTS/YR) a | NO. YRS T | NO. OBSERVED ACCIDENTS 1993-1997 N | PREDICTED ACCIDENTS PER YR B | Estimated Annual Accident Frequency A |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 193318F | 010380 | MN | WASECA | Brown St/ CO RD 2 | WASECA | FLASHING LIGHTS | 2600 | 10 | 6 | 20 | 1 | 1 | 2 | 0.091 | 5 | 1 | 0.136 | 0.072 |
| 193320G | 010460 | MN | WASECA | Airport/ CO RD 27 | WASECA | PASSIVE | 810 | 10 | 6 | 20 | 1 | 1 | 2 | 0.076 | 5 | 0 | 0.047 | 0.033 |
| 193322V | 010620 | MN | WASECA | CO RD 52/ 95TH ST | WASECA | PASSIVE | 55 | 10 | 6 | 20 | 1 | 2 | 2 | 0.015 | 5 | 0 | 0.012 | 0.008 |
| 193324J | 010730 | MN | WASECA | 85TH ST/ TWP 161 | WASECA | PASSIVE | 55 | 10 | 6 | 35 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 193326X | 010850 | MN | WASECA | CO RD 17 | JANESVILLE | PASSIVE | 190 | 10 | 6 | 35 | 1 | 2 | 2 | 0.028 | 5 | 0 | 0.020 | 0.014 |
| 193328L | 010960 | MN | WASECA | 60TH STREET | JANESVILLE | PASSIVE | 10 | 10 | 6 | 35 | 1 | 2 | 2 | 0.009 | 5 | 0 | 0.007 | 0.005 |
| 193329T | 11020 | MN | WASECA | Twp 92 | JANESVILLE | PASSIVE | 20 | 10 | 6.25 | 35 | 1 | 1 | 2 | 0.022 | 5 | 0 | 0.016 | 0.011 |
| 193341A | 011090 | MN | WASECA | CO RD 33 & 66 | JANESVILLE | PASSIVE | 110 | 10 | 6 | 35 | 1 | 2 | 2 | 0.022 | 5 | 0 | 0.016 | 0.012 |
| 193342G | 11190 | MN | WASECA | County Road 53 | JANESVILLE | PASSIVE | 100 | 10 | 6 | 35 | 1 | 2 | 2 | 0.022 | 5 | 0 | 0.016 | 0.011 |
| 193344V | 011260 | MN | WASECA | TEAL ST | JANESVILLE | PASSIVE | 1100 | 10 | 6 | 20 | 4 | 1 | 2 | 0.085 | 5 | 0 | 0.051 | 0.036 |
| 193346J | 011280 | MN | WASECA | SOUTH MAIN STREET | JANESVILLE | GATES | 1900 | 10 | 6 | 20 | 3 | 1 | 2 | 0.056 | 5 | 0 | 0.037 | 0.018 |
| 193348X | 011300 | MN | WASECA | CRAIG ST | JANESVILLE | PASSIVE | 380 | 10 | 6 | 20 | 1 | 1 | 2 | 0.058 | 5 | 0 | 0.037 | 0.027 |
| 193349E | 011310 | MN | WASECA | S. SKOOKUM ST | JANESVILLE | PASSIVE | 380 | 10 | 6 | 20 | 1 | 2 | 2 | 0.032 | 5 | 0 | 0.022 | 0.016 |
| 193354B | 011510 | MN | WASECA | CO RD 60 | JANESVILLE | PASSIVE | 275 | 10 | 6 | 35 | 1 | 1 | 2 | 0.057 | 5 | 1 | 0.107 | 0.077 |
| 193356P | 011630 | MN | WASECA | CO RD 37 | JANESVILLE | PASSIVE | 565 | 10 | 6 | 35 | 1 | 1 | 2 | 0.075 | 5 | 1 | 0.123 | 0.088 |
| 193407X | 011660 | MN | BLUE EARTH | CO RD 184 | JANESVILLE | PASSIVE | 235 | 10 | 6 | 35 | 1 | 2 | 2 | 0.030 | 5 | 0 | 0.021 | 0.015 |
| 193410F | 11750 | MN | BLUE EARTH | Twp 313 | JANESVILLE | PASSIVE | 100 | 10 | 6 | 35 | 1 | 2 | 2 | 0.022 | 5 | 0 | 0.016 | 0.011 |
| 193408E | 011870 | MN | BLUE EARTH | CO RD 185 | EAGLE LAKE | PASSIVE | 85 | 10 | 6 | 35 | 1 | 2 | 2 | 0.020 | 5 | 0 | 0.015 | 0.011 |
| 193411M | 011980 | MN | BLUE EARTH | TWP 325 | EAGLE LAKE | PASSIVE | 73 | 10 | 6 | 35 | 1 | 2 | 2 | 0.019 | 5 | 0 | 0.014 | 0.010 |
| 193414H | 012080 | MN | BLUE EARTH | CO RD 332 | EAGLE LAKE | PASSIVE | 39 | 10 | 6.25 | 35 | 1 | 1 | 2 | 0.028 | 5 | 0 | 0.020 | 0.014 |
| 193509R | 14720 | MN | BLUE EARTH | Twp. 461 | | PASSIVE | 100 | 10 | 6 | 20 | 1 | 2 | 1 | 0.019 | 5 | 0 | 0.014 | 0.010 |
| 193480V | 14890 | MN | BLUE EARTH | JUDSON FORT RD/ TW | MANKATO | PASSIVE | 52 | 10 | 6 | 35 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 193481C | 14980 | MN | BLUE EARTH | CSAH 42 | MANKATO | PASSIVE | 970 | 10 | 6 | 35 | 2 | 1 | 2 | 0.091 | 5 | 0 | 0.054 | 0.038 |
| 193482J | 14990 | MN | BLUE EARTH | PARK ST/ TWP 245 | MANKATO | PASSIVE | 60 | 10 | 6 | 35 | 3 | 1 | 2 | 0.033 | 5 | 0 | 0.023 | 0.017 |
| 193483R | 15020 | MN | BLUE EARTH | PRAIRIE ST/ TWP 249 | MANKATO | PASSIVE | 55 | 10 | 6 | 35 | 3 | 2 | 1 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 193484X | 15630 | MN | BLUE EARTH | CSAH 6 | NEW ULM | PASSIVE | 160 | 10 | 6 | 35 | 1 | 1 | 2 | 0.047 | 5 | 0 | 0.032 | 0.023 |
| 193485E | 15660 | MN | BLUE EARTH | TWP 236 | NEW ULM | PASSIVE | 80 | 10 | 6 | 35 | 1 | 1 | 2 | 0.036 | 5 | 0 | 0.025 | 0.018 |
| 193487T | 15810 | MN | BLUE EARTH | TWP 97 | NEW ULM | FLASHING LIGHTS | 750 | 10 | 6 | 35 | 1 | 1 | 2 | 0.055 | 5 | 0 | 0.036 | 0.019 |
| 193571H | 16060 | MN | BROWN | CSAH 45 | NEW ULM | PASSIVE | 100 | 10 | 6 | 20 | 1 | 2 | 2 | 0.019 | 5 | 0 | 0.014 | 0.010 |
| 193522E | 16270 | MN | BROWN | SHAG RD/ TWP 96 | NEW ULM | PASSIVE | 115 | 10 | 6 | 20 | 1 | 2 | 2 | 0.020 | 5 | 0 | 0.015 | 0.011 |
| 193523L | 16310 | MN | BROWN | TOWER RD | NEW ULM | PASSIVE | 50 | 10 | 6 | 20 | 1 | 1 | 2 | 0.027 | 5 | 1 | 0.075 | 0.054 |
| 193488A | 16410 | MN | BROWN | 20TH SOUTH ST. | NEW ULM | FLASHING LIGHTS | 5300 | 10 | 6 | 20 | 1 | 1 | 4 | 0.175 | 5 | 0 | 0.082 | 0.044 |
| 196260K | 16440 | MN | BROWN | SE 16th St | NEW ULM | PASSIVE | 630 | 10 | 6.25 | 20 | 1 | 2 | 2 | 0.038 | 5 | 0 | 0.027 | 0.019 |
| 196261S | 16460 | MN | BROWN | S 12th St. | NEW ULM | GATES | 800 | 10 | 6 | 20 | 1 | 1 | 2 | 0.032 | 5 | 0 | 0.023 | 0.011 |
| 193491H | 016490 | MN | BROWN | 7TH SOUTH ST. | NEW ULM | PASSIVE | 650 | 10 | 6 | 20 | 4 | 1 | 2 | 0.070 | 5 | 0 | 0.044 | 0.031 |
| 193492P | 16520 | MN | BROWN | 3RD SOUTH ST. | NEW ULM | FLASHING LIGHTS | 770 | 10 | 6 | 20 | 6 | 1 | 2 | 0.144 | 5 | 1 | 0.171 | 0.091 |
| 193493W | 016540 | MN | BROWN | 1ST SOUTH ST. | NEW ULM | FLASHING LIGHTS | 1400 | 10 | 6 | 20 | 1 | 1 | 2 | 0.070 | 5 | 0 | 0.044 | 0.023 |
| 193494D | 016550 | MN | BROWN | CENTER ST | NEW ULM | PASSIVE | 1200 | 10 | 6 | 20 | 2 | 1 | 2 | 0.088 | 5 | 2 | 0.215 | 0.154 |
| 193525A | 16560 | MN | BROWN | FIRST STREET | NEW ULM | PASSIVE | 630 | 10 | 6 | 20 | 1 | 1 | 2 | 0.069 | 5 | 1 | 0.118 | 0.085 |
| 193537U | 16570 | MN | BROWN | 3RD NORTH ST. | NEW ULM | FLASHING LIGHTS | 1750 | 10 | 6 | 35 | 1 | 1 | 2 | 0.077 | 5 | 1 | 0.125 | 0.066 |
| 193536M | 16680 | MN | BROWN | MINNESOTA ST&17TH | NEW ULM | FLASHING LIGHTS | 970 | 10 | 6 | 35 | 1 | 1 | 2 | 0.061 | 5 | 0 | 0.039 | 0.021 |
| 911203V | 16720 | MN | BROWN | N. 20th St. | NEW ULM | FLASHING LIGHTS | 3500 | 10 | 6 | 35 | 1 | 1 | 2 | 0.103 | 5 | 0 | 0.058 | 0.031 |
| 193560N | 16800 | MN | BROWN | BOUNDARY ST./N 23 | NEW ULM | PASSIVE | 630 | 10 | 6 | 35 | 1 | 2 | 2 | 0.043 | 5 | 1 | 0.093 | 0.066 |
| 193572H | 016950 | MN | BROWN | CO RD 12 | NEW ULM | PASSIVE | 60 | 10 | 6 | 35 | 1 | 2 | 2 | 0.018 | 5 | 0 | 0.013 | 0.010 |
| 193573P | 017050 | MN | BROWN | TWP 128 | NEW ULM | PASSIVE | 55 | 10 | 6 | 35 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 193579F | 017150 | MN | BROWN | TWP 245 | ESSIG | PASSIVE | 55 | 10 | 6 | 35 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 193574W | 017250 | MN | BROWN | TWP 238 | ESSIG | PASSIVE | 40 | 10 | 6 | 35 | 1 | 2 | 2 | 0.015 | 5 | 0 | 0.012 | 0.008 |
| 193546T | 017310 | MN | BROWN | TWP 129 | ESSIG | PASSIVE | 80 | 10 | 6 | 35 | 1 | 2 | 2 | 0.020 | 5 | 0 | 0.015 | 0.011 |
| 193575D | 017360 | MN | BROWN | CO RD 11/Center St | ESSIG | PASSIVE | 355 | 10 | 6 | 35 | 1 | 1 | 2 | 0.063 | 5 | 0 | 0.040 | 0.029 |
| 193547A | 017370 | MN | BROWN | Essig W St/Twp 131 | ESSIG | PASSIVE | 780 | 10 | 6 | 35 | 1 | 1 | 2 | 0.084 | 5 | 0 | 0.050 | 0.036 |

Pre-Construction Accident Prediction Summary
Minnesota 20 MNT
Alternative C

| FRA ID | MILEPOST | STATE | COUNTY | STREET | CITY | EXISTING DEVICE | ADT c | TRNS PER DAY t | NO. THRU TRNS/DAY DAYLIGHT d | MAX. TT SPEED (MPH) | NO. MAIN TRKS | HWY PAVED YES=1 NO=2 | NO. HWY LANES | BASIC FORMULA INITIAL (ACCIDENTS/YR) a | NO. YRS T | NO. OBSERVED ACCIDENTS 1993-1997 N | PREDICTED ACCIDENTS PER YR B | Estimated Annual Accident Frequency A |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 193548G | 017510 | MN | BROWN | TWP 141 | ESSIG | PASSIVE | 55 | 10 | 6 | 35 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 193577S | 17670 | MN | BROWN | CO RD 10 | SLEEPY EYE | PASSIVE | 160 | 10 | 6 | 35 | 1 | 1 | 2 | 0.047 | 5 | 0 | 0.032 | 0.023 |
| 193578Y | 017780 | MN | BROWN | TWP 225 | ESSIG | PASSIVE | 116 | 10 | 6 | 35 | 1 | 2 | 2 | 0.023 | 5 | 1 | 0.070 | 0.050 |
| 193558M | 017970 | MN | BROWN | 1ST AVE. | SLEEPY EYE | FLASHING LIGHTS | 3100 | 10 | 6 | 20 | 4 | 1 | 2 | 0.173 | 5 | 0 | 0.082 | 0.043 |
| 193557F | 017980 | MN | BROWN | 2ND AVE | SLEEPY EYE | FLASHING LIGHTS | 380 | 10 | 6 | 20 | 4 | 1 | 2 | 0.073 | 5 | 0 | 0.045 | 0.024 |
| 193584C | 017990 | MN | BROWN | 4TH AVE SE/ CSAH | SLEEPY EYE | PASSIVE | 900 | 10 | 6 | 20 | 1 | 1 | 2 | 0.079 | 5 | 0 | 0.048 | 0.034 |
| 193553D | 018040 | MN | BROWN | 9TH AVE SE | SLEEPY EYE | PASSIVE | 580 | 10 | 6 | 20 | 1 | 1 | 2 | 0.067 | 5 | 1 | 0.116 | 0.083 |
| 193554K | 018090 | MN | BROWN | Golf Course/Twp 218 | SLEEPY EYE | PASSIVE | 55 | 10 | 6 | 20 | 1 | 2 | 2 | 0.015 | 5 | 0 | 0.012 | 0.008 |
| 193588E | 018280 | MN | BROWN | TWP 138 | SLEEPY EYE | PASSIVE | 40 | 10 | 6 | 35 | 1 | 2 | 2 | 0.015 | 5 | 0 | 0.012 | 0.008 |
| 193589L | 018380 | MN | BROWN | CO RD 8 | SLEEPY EYE | PASSIVE | 600 | 10 | 6 | 35 | 1 | 1 | 2 | 0.076 | 5 | 2 | 0.202 | 0.144 |
| 193590F | 018600 | MN | BROWN | CO RD 7 | COBDEN | PASSIVE | 130 | 10 | 6 | 35 | 1 | 1 | 2 | 0.043 | 5 | 0 | 0.030 | 0.021 |
| 193591M | 018610 | MN | BROWN | CENTER ST | COBDEN | PASSIVE | 380 | 10 | 6 | 35 | 1 | 2 | 2 | 0.036 | 5 | 0 | 0.025 | 0.018 |
| 193592U | 018700 | MN | BROWN | TWP 3 | COBDEN | PASSIVE | 48 | 10 | 6 | 35 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.012 | 0.009 |
| 193594H | 018870 | MN | BROWN | TWP 191 | COBDEN | PASSIVE | 55 | 10 | 6 | 35 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 193595P | 018940 | MN | BROWN | MN HWY 258 | SPRINGFIELD | FLASHING LIGHTS | 480 | 10 | 6 | 35 | 1 | 1 | 2 | 0.045 | 5 | 0 | 0.031 | 0.016 |
| 193596W | 019050 | MN | BROWN | TWP 90 | SPRINGFIELD | PASSIVE | 55 | 10 | 6 | 35 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 193610P | 019140 | MN | BROWN | TWP 85 | SPRINGFIELD | PASSIVE | 55 | 10 | 6 | 35 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 911204C | 19260 | MN | BROWN | Cnty Rd 5 | SPRINGFIELD | PASSIVE | 1250 | 10 | 6.25 | 35 | 1 | 1 | 2 | 0.100 | 5 | 1 | 0.143 | 0.102 |
| 193612D | 19270 | MN | BROWN | SANDBORN ST | SPRINGFIELD | PASSIVE | 200 | 10 | 6.25 | 35 | 1 | 2 | 2 | 0.028 | 5 | 0 | 0.020 | 0.014 |
| 193613K | 019290 | MN | BROWN | WASHINGTON AVE. | SPRINGFIELD | PASSIVE | 380 | 10 | 6 | 20 | 1 | 1 | 2 | 0.058 | 5 | 0 | 0.037 | 0.027 |
| 193599S | 019300 | MN | BROWN | LINCOLN ST | SPRINGFIELD | PASSIVE | 380 | 10 | 6 | 20 | 3 | 1 | 2 | 0.058 | 5 | 0 | 0.037 | 0.027 |
| 193614S | 019310 | MN | BROWN | CASS ST | SPRINGFIELD | FLASHING LIGHTS | 1650 | 10 | 6 | 20 | 2 | 1 | 2 | 0.091 | 5 | 0 | 0.053 | 0.028 |
| 193616F | 019330 | MN | BROWN | OCONNELL AVE. | SPRINGFIELD | PASSIVE | 1000 | 10 | 6 | 20 | 3 | 1 | 2 | 0.082 | 5 | 1 | 0.129 | 0.092 |
| 193600J | 019360 | MN | BROWN | BURNS AVE | SPRINGFIELD | PASSIVE | 380 | 10 | 6 | 20 | 1 | 1 | 2 | 0.058 | 5 | 0 | 0.037 | 0.027 |
| 193859H | 019410 | MN | BROWN | CO RD 4 | SPRINGFIELD | FLASHING LIGHTS | 600 | 10 | 6 | 20 | 1 | 1 | 2 | 0.050 | 5 | 0 | 0.033 | 0.018 |
| 193710U | 019760 | MN | REDWOOD | CO RD 2 | SANBORN | PASSIVE | 160 | 10 | 6 | 30 | 1 | 1 | 2 | 0.045 | 5 | 0 | 0.031 | 0.022 |
| 193711B | 020050 | MN | BROWN | TWP 2 | SANBORN | PASSIVE | 56 | 10 | 6 | 20 | 1 | 2 | 2 | 0.016 | 5 | 0 | 0.012 | 0.008 |
| 193664V | 020080 | MN | REDWOOD | TWP 153 | SANBORN | PASSIVE | 146 | 10 | 6 | 20 | 1 | 2 | 2 | 0.022 | 5 | 0 | 0.016 | 0.012 |
| 197897F | 020170 | MN | REDWOOD | MAIN ST. | SANBORN | FLASHING LIGHTS | 1300 | 10 | 6 | 20 | 4 | 1 | 2 | 0.121 | 5 | 0 | 0.065 | 0.035 |
| 197896Y | 020180 | MN | REDWOOD | SOUTH ST. | SANBORN | PASSIVE | 380 | 10 | 6 | 20 | 4 | 2 | 2 | 0.032 | 5 | 0 | 0.022 | 0.016 |
| 193669E | 020260 | MN | REDWOOD | TWP 149 | SANBORN | PASSIVE | 73 | 10 | 6 | 40 | 1 | 2 | 2 | 0.020 | 5 | 0 | 0.015 | 0.011 |
| 193671F | 020370 | MN | REDWOOD | TWP 147 & 148 | SANBORN | PASSIVE | 55 | 10 | 6 | 35 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 197895S | 020880 | MN | REDWOOD | MAIN ST. | LAMBERTON | FLASHING LIGHTS | 380 | 10 | 6 | 35 | 3 | 1 | 2 | 0.060 | 5 | 0 | 0.039 | 0.021 |
| 197894K | 020910 | MN | REDWOOD | ILEX ST./CO RD 6 | LAMBERTON | FLASHING LIGHTS | 1300 | 10 | 6 | 35 | 2 | 1 | 2 | 0.083 | 5 | 0 | 0.050 | 0.026 |
| 193712H | 21090 | MN | REDWOOD | TWP 190 | LAMBERTON | PASSIVE | 55 | 10 | 6 | 35 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 193713P | 021300 | MN | REDWOOD | TWP 184 | REVERE | PASSIVE | 99 | 10 | 6 | 35 | 1 | 2 | 2 | 0.022 | 5 | 0 | 0.016 | 0.011 |
| 197789J | 021370 | MN | REDWOOD | MAIN ST./CO RD 127 | REVERE | FLASHING LIGHTS | 510 | 10 | 6 | 35 | 2 | 1 | 2 | 0.056 | 5 | 0 | 0.037 | 0.019 |
| 193714W | 021410 | MN | REDWOOD | CO RD 7 | REVERE | PASSIVE | 320 | 10 | 6 | 35 | 1 | 1 | 2 | 0.061 | 5 | 0 | 0.039 | 0.028 |
| 193715D | 021500 | MN | REDWOOD | TWP 178 | REVERE | PASSIVE | 55 | 10 | 6 | 35 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 193716K | 021610 | MN | REDWOOD | CO RD 10 | WALNUT GROVE | PASSIVE | 125 | 10 | 6 | 35 | 1 | 1 | 2 | 0.043 | 5 | 0 | 0.029 | 0.021 |
| 193717S | 021710 | MN | REDWOOD | TWP 127 | WALNUT GROVE | PASSIVE | 44 | 10 | 6 | 35 | 1 | 2 | 2 | 0.016 | 5 | 0 | 0.012 | 0.009 |
| 193718Y | 021810 | MN | REDWOOD | CO RD 80 | WALNUT GROVE | PASSIVE | 530 | 10 | 6 | 35 | 1 | 1 | 2 | 0.073 | 5 | 0 | 0.045 | 0.032 |
| 193719F | 021880 | MN | REDWOOD | 1ST ST | WALNUT GROVE | PASSIVE | 49 | 10 | 6 | 35 | 1 | 2 | 2 | 0.017 | 5 | 1 | 0.062 | 0.045 |
| 197893D | 021900 | MN | REDWOOD | 6TH ST. | WALNUT GROVE | FLASHING LIGHTS | 900 | 10 | 6 | 35 | 2 | 1 | 2 | 0.071 | 5 | 0 | 0.044 | 0.023 |
| Segment 5 Walnut Grove to Tracy MP 219 to 226.6 | | | | | | | | | | | | | | | | | | |
| 197892W | 21920 | MN | REDWOOD | CO RD 5 | WALNUT GROVE | FLASHING LIGHTS | 1000 | 8 | 5 | 35 | 2 | 1 | 2 | 0.066 | 5 | 0 | 0.042 | 0.022 |
| 193721G | 022110 | MN | REDWOOD | CO RD 75 | WALNUT GROVE | PASSIVE | 40 | 8 | 5 | 35 | 1 | 2 | 2 | 0.014 | 5 | 0 | 0.010 | 0.007 |
| 193692Y | 022220 | MN | REDWOOD | TWP 160 | WALNUT GROVE | PASSIVE | 40 | 8 | 5 | 35 | 1 | 2 | 2 | 0.014 | 5 | 0 | 0.010 | 0.007 |

Pre-Construction Accident Prediction Summary
Minnesota 20 MNT
Alternative C

| FRA ID | MILEPOST | STATE | COUNTY | STREET | CITY | EXISTING DEVICE | ADT c | TRNS PER DAY t | NO. THRU TRNS/DAY DAYLIGHT d | MAX. TT SPEED (MPH) | NO. MAIN TRKS | HWY PAVED YES=1 NO=2 | NO. HWY LANES | BASIC FORMULA INITIAL (ACCIDENTS/YR) a | NO. YRS T | NO. OBSERVED ACCIDENTS 1993-1997 N | PREDICTED ACCIDENTS PER YR B | Estimated Annual Accident Frequency A |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 193694M | 022320 | MN | REDWOOD | TWP 158 | WALNUT GROVE | PASSIVE | 55 | 8 | 5 | 35 | 1 | 2 | 2 | 0.015 | 5 | 0 | 0.012 | 0.008 |
| 193696B | 022410 | MN | REDWOOD | TWP 154 (County Line) | TRACY | PASSIVE | 55 | 8 | 5 | 20 | 1 | 2 | 2 | 0.014 | 5 | 0 | 0.010 | 0.007 |
| 193697H | 022510 | MN | REDWOOD | TWP 184 | TRACY | PASSIVE | 37 | 8 | 5 | 20 | 1 | 2 | 2 | 0.012 | 5 | 0 | 0.009 | 0.006 |
| 193722N | 022650 | MN | LYON | CENTER ST | TRACY | GATES | 1450 | 8 | 5 | 30 | 5 | 1 | 4 | 0.084 | 5 | 0 | 0.050 | 0.025 |
| 193741T | 022660 | MN | LYON | 4TH ST. | TRACY | GATES | 2200 | 8 | 5 | 30 | 2 | 1 | 2 | 0.046 | 5 | 1 | 0.096 | 0.047 |
| Segment 6 Brookings to Tracy MP 226.6 to 290.0 | | | | | | | | | | | | | | | | | | |
| 193742A | 022720 | MN | LYON | HIGHLINE RD 73 | TRACY | PASSIVE | 650 | 10 | 6 | 30 | 1 | 1 | 2 | 0.076 | 5 | 0 | 0.047 | 0.033 |
| 193699W | 022800 | MN | LYON | CO RD 14 | TRACY | PASSIVE | 320 | 10 | 6 | 30 | 1 | 1 | 2 | 0.058 | 5 | 2 | 0.178 | 0.128 |
| 193700N | 022830 | MN | LYON | TWP 227 | TRACY | PASSIVE | 55 | 10 | 6 | 30 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 193702C | 022950 | MN | LYON | CO RD 14 | TRACY | PASSIVE | 225 | 10 | 6 | 30 | 1 | 1 | 2 | 0.051 | 5 | 0 | 0.034 | 0.024 |
| 193708T | 023150 | MN | LYON | TWP 217 | GARVIN | PASSIVE | 55 | 10 | 6 | 30 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 193709A | 023250 | MN | LYON | TWP 208 | GARVIN | PASSIVE | 55 | 10 | 6 | 30 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 193810Y | 023350 | MN | LYON | US HWY 59 | GARVIN | FLASHING LIGHTS | 1350 | 10 | 6 | 30 | 1 | 1 | 2 | 0.069 | 5 | 0 | 0.043 | 0.023 |
| 193757P | 023390 | MN | LYON | 1ST ST | GARVIN | PASSIVE | 55 | 10 | 6 | 30 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 193758W | 023450 | MN | LYON | TWP 201 | GARVIN | PASSIVE | 55 | 10 | 6 | 30 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 193759D | 023550 | MN | LYON | TWP 194 | GARVIN | PASSIVE | 55 | 10 | 6 | 30 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 193743G | 023660 | MN | LYON | CO RD 7 | BALATON | PASSIVE | 155 | 10 | 6 | 30 | 1 | 1 | 2 | 0.045 | 5 | 0 | 0.030 | 0.022 |
| 193744N | 023760 | MN | LYON | TWP 190 | BALATON | PASSIVE | 73 | 10 | 6 | 30 | 1 | 2 | 2 | 0.019 | 5 | 0 | 0.014 | 0.010 |
| 193745V | 023860 | MN | LYON | TWP 27 | BALATON | PASSIVE | 5 | 10 | 6 | 30 | 1 | 2 | 2 | 0.007 | 5 | 0 | 0.005 | 0.004 |
| 193797M | 023940 | MN | LYON | 2ND ST. SW | BALATON | FLASHING LIGHTS | 1050 | 10 | 6 | 35 | 2 | 1 | 2 | 0.076 | 5 | 1 | 0.124 | 0.065 |
| 193748R | 023990 | MN | LYON | CO RD 5 | BALATON | FLASHING LIGHTS | 710 | 10 | 6 | 30 | 1 | 1 | 2 | 0.053 | 5 | 0 | 0.035 | 0.019 |
| 193751Y | 024180 | MN | LYON | TWP 14 | BALATON | PASSIVE | 38 | 10 | 6 | 30 | 1 | 2 | 2 | 0.015 | 5 | 0 | 0.011 | 0.008 |
| 193752F | 024230 | MN | LYON | TWP 176 | BALATON | PASSIVE | 45 | 10 | 6 | 30 | 1 | 2 | 2 | 0.016 | 5 | 0 | 0.012 | 0.008 |
| 193753M | 024330 | MN | LYON | TWP 244 | BALATON | PASSIVE | 55 | 10 | 6 | 30 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 193755B | 024440 | MN | LYON | MN HWY 91 | BALATON | FLASHING LIGHTS | 495 | 10 | 6 | 30 | 1 | 1 | 2 | 0.046 | 5 | 0 | 0.031 | 0.016 |
| 193725J | 024590 | MN | LYON | TWP 15 | BALATON | PASSIVE | 55 | 10 | 6 | 30 | 1 | 1 | 2 | 0.030 | 5 | 0 | 0.022 | 0.016 |
| 193726R | 024640 | MN | LYON | CO RD 13 | TYLER | PASSIVE | 50 | 10 | 6 | 30 | 1 | 1 | 2 | 0.029 | 5 | 0 | 0.021 | 0.015 |
| 193730F | 024920 | MN | LYON | TWP 262 | TYLER | PASSIVE | 16 | 10 | 6 | 30 | 1 | 2 | 2 | 0.011 | 5 | 0 | 0.008 | 0.006 |
| 193732U | 024980 | MN | LYON | CO RD 51 | TYLER | PASSIVE | 15 | 10 | 6 | 30 | 1 | 2 | 2 | 0.010 | 5 | 0 | 0.008 | 0.006 |
| 193734H | 025180 | MN | LINCOLN | TWP 82 | TYLER | PASSIVE | 55 | 10 | 6 | 30 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 193736W | 025290 | MN | LINCOLN | CO RD 115 | TYLER | PASSIVE | 380 | 10 | 6 | 30 | 1 | 2 | 2 | 0.034 | 5 | 0 | 0.024 | 0.017 |
| 193798U | 025340 | MN | LINCOLN | WILLOW ST | TYLER | PASSIVE | 380 | 10 | 6 | 30 | 1 | 1 | 2 | 0.062 | 5 | 1 | 0.112 | 0.080 |
| 193799B | 025350 | MN | LINCOLN | TYLER ST | TYLER | GATES | 3150 | 10 | 6 | 30 | 2 | 1 | 2 | 0.056 | 5 | 0 | 0.037 | 0.018 |
| 193800T | 025380 | MN | LINCOLN | CO RD 8 | TYLER | GATES | 1000 | 10 | 6 | 30 | 2 | 1 | 2 | 0.040 | 5 | 0 | 0.028 | 0.014 |
| 193737D | 025490 | MN | LINCOLN | TWP 90 | TYLER | PASSIVE | 59 | 10 | 6 | 30 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 193740L | 025590 | MN | LINCOLN | TWP 96 | TYLER | PASSIVE | 55 | 10 | 6 | 30 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 193761E | 025690 | MN | LINCOLN | CO RD 111 | TYLER | PASSIVE | 95 | 10 | 6 | 30 | 1 | 2 | 2 | 0.020 | 5 | 0 | 0.015 | 0.011 |
| 193762L | 025790 | MN | LINCOLN | TWP 100 | LAKE BENTON | PASSIVE | 55 | 10 | 6 | 30 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 193764A | 025900 | MN | LINCOLN | TWP 104 | LAKE BENTON | PASSIVE | 55 | 10 | 6 | 30 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 193801A | 026160 | MN | LINCOLN | CENTER ST. | LAKE BENTON | GATES | 1100 | 10 | 6 | 30 | 1 | 1 | 2 | 0.035 | 5 | 0 | 0.025 | 0.012 |
| 193802G | 026190 | MN | LINCOLN | BENTON ST. | LAKE BENTON | PASSIVE | 450 | 10 | 6 | 30 | 1 | 1 | 2 | 0.066 | 5 | 1 | 0.115 | 0.083 |
| 193768C | 026330 | MN | LINCOLN | TWP 100 | LAKE BENTON | PASSIVE | 55 | 10 | 6 | 30 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 193769J | 026480 | MN | LINCOLN | TWP 7 | LAKE BENTON | PASSIVE | 55 | 10 | 6 | 30 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 193770D | 026590 | MN | LINCOLN | CO RD 9 | VERDI | FLASHING LIGHTS | 450 | 10 | 6 | 30 | 1 | 1 | 2 | 0.044 | 5 | 0 | 0.030 | 0.016 |
| 193771K | 026730 | MN | LINCOLN | TWP 125 | VERDI | PASSIVE | 50 | 10 | 6 | 30 | 1 | 2 | 2 | 0.016 | 5 | 0 | 0.012 | 0.009 |
| 193773Y | 026750 | MN | LINCOLN | CO RD 9 | VERDI | PASSIVE | 150 | 10 | 6 | 30 | 1 | 1 | 2 | 0.044 | 5 | 0 | 0.030 | 0.021 |
| 193772S | 026780 | MN | LINCOLN | MAIN STREET | VERDI | PASSIVE | 23 | 10 | 6 | 30 | 1 | 2 | 2 | 0.012 | 5 | 0 | 0.009 | 0.007 |
| 193776U | 026830 | MN | LINCOLN | CO RD 2 | VERDI | PASSIVE | 75 | 10 | 6 | 30 | 1 | 1 | 2 | 0.034 | 5 | 0 | 0.024 | 0.017 |

Pre-Construction Accident Prediction Summary
Minnesota 20 MNT
Alternative C

| FRA ID | MILEPOST | STATE | COUNTY | STREET | CITY | EXISTING DEVICE | ADT c | TRNS PER DAY t | NO. THRU TRNS/DAY DAYLIGHT d | MAX. TT SPEED (MPH) | NO. MAIN TRKS | HWY PAVED YES=1 NO=2 | NO. HWY LANES | BASIC FORMULA INITIAL (ACCIDENTS/YR) a | NO. YRS T | NO. OBSERVED ACCIDENTS 1993-1997 N | PREDICTED ACCIDENTS PER YR B | Estimated Annual Accident Frequency A |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 193780J | 026940 | MN | LINCOLN | TWP 132 | VERDI | PASSIVE | 720 | 10 | 6 | 30 | 1 | 2 | 2 | 0.043 | 5 | 0 | 0.030 | 0.021 |
| 193782X | 27040 | MN | LINCOLN | TWP 133 | VERDI | PASSIVE | 40 | 10 | 6 | 30 | 1 | 2 | 2 | 0.015 | 5 | 0 | 0.011 | 0.008 |
| 193783E | 027140 | MN | LINCOLN | CO RD 1 | ELKTON | PASSIVE | 110 | 10 | 6 | 30 | 1 | 1 | 2 | 0.039 | 5 | 0 | 0.027 | 0.019 |
| 193784L | 027250 | MN | LINCOLN | TWP 138 | ELKTON | PASSIVE | 44 | 10 | 6 | 30 | 1 | 2 | 2 | 0.015 | 5 | 0 | 0.012 | 0.008 |

Post-Construction Accident Prediction Summary
Minnesota 20 MNT
Alternative C

| FRA ID | MILEPOST | STATE | COUNTY | STREET | CITY | EXISTING DEVICE | PROPOSED DEVICE | ADT c | TRNS PER DAY t | NO. THRU TRNS/DAY DAYLIGHT d | MAX. TT SPEED (MPH) | NO. MAIN TRKS | HWY PAVED YES=1 NO=2 | NO. HWY LANES | BASIC FORMULA INITIAL (ACCIDENTS/YR) a | NO. YRS T | NO. OBSERVED ACCIDENTS 1993-1997 N | PREDICTED ACCIDENTS PER YR B | Estimated Annual Accident Frequency A |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Segment 1 Winona to Lewiston MP 0 to 18.4** | | | | | | | | | | | | | | | | | | | |
| 19317H | 520 | MN | WINONA | Martina & 11th St. | WINONA | PASSIVE | PASSIVE | 460 | 11 | 6.88 | 49 | 2 | 2 | 1 | 0.045 | 5 | 0 | 0.030 | 0.022 |
| 193197K | 620 | MN | WINONA | Canton Mills | WINONA | PASSIVE | PASSIVE | 100 | 11 | 6.88 | 49 | 2 | 2 | 1 | 0.025 | 5 | 0 | 0.018 | 0.013 |
| 193200R | 000860 | MN | WINONA | CNTY RD 23 | MINNESOTA CITY | FLASHING LIGHTS | FLASHING LIGHTS | 2500 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.094 | 5 | 0 | 0.055 | 0.029 |
| 193176S | 000930 | MN | WINONA | CNTY RD 6 | STOCKTON | PASSIVE | PASSIVE | 55 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.020 | 5 | 0 | 0.015 | 0.011 |
| 193201X | 001110 | MN | WINONA | MAIN ST/CO RD 23 | STOCKTON | FLASHING LIGHTS | FLASHING LIGHTS | 1750 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.081 | 5 | 0 | 0.049 | 0.026 |
| 193206G | 001680 | MN | WINONA | DUTCHMAN/ TWP 1 | LEWISTON | PASSIVE | PASSIVE | 55 | 11 | 6.88 | 25 | 1 | 2 | 2 | 0.017 | 5 | 0 | 0.013 | 0.009 |
| 193207N | 001780 | MN | WINONA | CO RD 25 | LEWISTON | FLASHING LIGHTS | FLASHING LIGHTS | 1850 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.083 | 5 | 0 | 0.050 | 0.026 |
| 193209C | 001840 | MN | WINONA | FREMONT STREET | LEWISTON | GATES | GATES | 1700 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.042 | 5 | 0 | 0.029 | 0.014 |
| **Segment 2 Lewiston to Owatonna MP 18.4 to 88.1** | | | | | | | | | | | | | | | | | | | |
| 193210W | 1900 | MN | WINONA | Golf Crossing | UTICA | PASSIVE | PASSIVE | 55 | 11 | 6.88 | 49 | 1 | 2 | 1 | 0.020 | 5 | 0 | 0.015 | 0.011 |
| 193211D | 002090 | MN | WINONA | TWP 13 | UTICA | PASSIVE | PASSIVE | 55 | 11 | 6.88 | 49 | 2 | 2 | 2 | 0.020 | 5 | 0 | 0.015 | 0.011 |
| 193247L | 002190 | MN | WINONA | CO RD 18 | UTICA | PASSIVE | PASSIVE | 200 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.060 | 5 | 0 | 0.039 | 0.028 |
| 193248T | 002270 | MN | WINONA | CENTER STREET | UTICA | FLASHING LIGHTS | FLASHING LIGHTS | 950 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.063 | 5 | 2 | 0.185 | 0.098 |
| 193249A | 2300 | MN | WINONA | 2nd. Avenue | UTICA | PASSIVE | PASSIVE | 39 | 11 | 6.88 | 49 | 1 | 2 | 1 | 0.018 | 5 | 0 | 0.013 | 0.010 |
| 193250U | 002400 | MN | WINONA | TWP 5 | UTICA | PASSIVE | PASSIVE | 55 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.020 | 5 | 0 | 0.015 | 0.011 |
| 193251B | 2540 | MN | WINONA | Co Rd 37 | UTICA | PASSIVE | PASSIVE | 180 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.032 | 5 | 0 | 0.022 | 0.016 |
| 193253P | 002650 | MN | WINONA | Twp 13 | ST CHARLES | PASSIVE | PASSIVE | 55 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.020 | 5 | 0 | 0.015 | 0.011 |
| 193193H | 2780 | MN | WINONA | Terry Drive | ST CHARLES | PASSIVE | PASSIVE | 500 | 11 | 6.88 | 49 | 2 | 2 | 2 | 0.046 | 5 | 0 | 0.031 | 0.022 |
| 193254W | 002820 | MN | WINONA | RICHLAND AVE | ST CHARLES | PASSIVE | PASSIVE | 380 | 11 | 6.88 | 49 | 2 | 1 | 2 | 0.076 | 5 | 0 | 0.046 | 0.033 |
| 193255D | 002840 | MN | WINONA | WHITEWATER | ST CHARLES | GATES | GATES | 4050 | 11 | 6.88 | 49 | 2 | 1 | 4 | 0.084 | 5 | 0 | 0.050 | 0.025 |
| 193256K | 002850 | MN | WINONA | ST. CHARLES AVE | ST CHARLES | PASSIVE | PASSIVE | 780 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.099 | 5 | 0 | 0.057 | 0.041 |
| 193257S | 002870 | MN | WINONA | W. 11TH STREET | ST CHARLES | PASSIVE | PASSIVE | 480 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.083 | 5 | 0 | 0.050 | 0.036 |
| 193194P | 2900 | MN | WINONA | Co Rd 126/West End | ST CHARLES | PASSIVE | PASSIVE | 380 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.076 | 5 | 0 | 0.046 | 0.033 |
| 193258Y | 003010 | MN | OLMSTED | TWP 668 | ST CHARLES | PASSIVE | PASSIVE | 25 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.015 | 5 | 0 | 0.011 | 0.008 |
| 193259F | 003040 | MN | OLMSTED | 19TH AVE/ TWP 591 | DOVER | PASSIVE | PASSIVE | 25 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.015 | 5 | 0 | 0.011 | 0.008 |
| 193195W | 003090 | MN | OLMSTED | TWP 667 | DOVER | PASSIVE | PASSIVE | 25 | 11 | 6.88 | 49 | 1 | 2 | 1 | 0.015 | 5 | 0 | 0.011 | 0.008 |
| 193260A | 003220 | MN | OLMSTED | CHATFIELD ST | DOVER | FLASHING LIGHTS | FLASHING LIGHTS | 1300 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.072 | 5 | 1 | 0.120 | 0.064 |
| 193261G | 003420 | MN | OLMSTED | CSAH 32 | DOVER | PASSIVE | PASSIVE | 200 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.033 | 5 | 0 | 0.023 | 0.017 |
| 193262N | 003530 | MN | OLMSTED | 140 AVE SE/TWP 90 | EYOTA | PASSIVE | PASSIVE | 50 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.020 | 5 | 0 | 0.015 | 0.010 |
| 193263V | 003680 | MN | OLMSTED | Center Ave/ CSAH 7 | EYOTA | GATES | GATES | 2300 | 11 | 6.88 | 49 | 3 | 1 | 4 | 0.083 | 5 | 0 | 0.050 | 0.024 |
| 193289X | 006130 | MN | DODGE | CO RD 15 | BYRON | PASSIVE | PASSIVE | 670 | 11 | 6.88 | 49 | 2 | 1 | 2 | 0.093 | 5 | 1 | 0.138 | 0.099 |
| 193290S | 006230 | MN | DODGE | TWP 30 | KASSON | PASSIVE | PASSIVE | 55 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.020 | 5 | 0 | 0.015 | 0.011 |
| 193291Y | 006350 | MN | DODGE | MANTORVILLE AVE. | KASSON | GATES | GATES | 2750 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.049 | 5 | 0 | 0.033 | 0.016 |
| 193292F | 006360 | MN | DODGE | SECOND AVE S.W. | KASSON | PASSIVE | PASSIVE | 610 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.090 | 5 | 0 | 0.053 | 0.038 |
| 193293M | 006370 | MN | DODGE | THIRD AVE SW | KASSON | PASSIVE | PASSIVE | 360 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.074 | 5 | 0 | 0.046 | 0.033 |
| 193294U | 006430 | MN | DODGE | EIGHTH AVE. S.W. | KASSON | PASSIVE | PASSIVE | 860 | 11 | 6.88 | 49 | 2 | 1 | 2 | 0.102 | 5 | 0 | 0.058 | 0.042 |
| 196630L | 006520 | MN | DODGE | US HWY 14 | KASSON | FLASHING LIGHTS | FLASHING LIGHTS | 7900 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.151 | 5 | 0 | 0.075 | 0.040 |
| 193296H | 006530 | MN | DODGE | CO RD 34/ TWP 134 | KASSON | PASSIVE | PASSIVE | 60 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.021 | 5 | 0 | 0.016 | 0.011 |
| 193357W | 006630 | MN | DODGE | CO RD 9 | KASSON | PASSIVE | PASSIVE | 540 | 11 | 6.88 | 49 | 2 | 1 | 2 | 0.086 | 5 | 0 | 0.051 | 0.037 |
| 193358D | 006740 | MN | DODGE | TWP 139 | DODGE CENTER | PASSIVE | PASSIVE | 45 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.019 | 5 | 0 | 0.014 | 0.010 |
| 193359K | 006840 | MN | DODGE | AIRPORT DRIVE S. | DODGE CENTER | PASSIVE | PASSIVE | 135 | 11 | 6.88 | 49 | 2 | 1 | 2 | 0.052 | 5 | 0 | 0.034 | 0.025 |
| 193297P | 006890 | MN | DODGE | 4TH AVE. S.E. | DODGE CENTER | PASSIVE | PASSIVE | 380 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.042 | 5 | 2 | 0.154 | 0.110 |
| 193360E | 006900 | MN | DODGE | SECOND AVE. S.E. | DODGE CENTER | PASSIVE | PASSIVE | 380 | 11 | 6.88 | 49 | 2 | 1 | 2 | 0.076 | 5 | 0 | 0.046 | 0.033 |
| 193361L | 006910 | MN | DODGE | FIRST AVE. S.E. | DODGE CENTER | PASSIVE | PASSIVE | 380 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.076 | 5 | 0 | 0.046 | 0.033 |
| 193298W | 006920 | MN | DODGE | CENTRAL AVE | DODGE CENTER | PASSIVE | PASSIVE | 380 | 11 | 6.88 | 49 | 2 | 1 | 2 | 0.076 | 5 | 1 | 0.124 | 0.089 |
| 193362T | 006930 | MN | DODGE | FIRST AVE S.W. | DODGE CENTER | PASSIVE | PASSIVE | 380 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.076 | 5 | 0 | 0.046 | 0.033 |

Post-Construction Accident Prediction Summary
Minnesota 20 MNT
Alternative C

| FRA ID | MILEPOST | STATE | COUNTY | STREET | CITY | EXISTING DEVICE | PROPOSED DEVICE | ADT c | TRNS PER DAY t | NO. THRU TRNS/DAY DAYLIGHT d | MAX. TT SPEED (MPH) | NO. MAIN TRKS | HWY PAVED YES=1 NO=2 | NO. HWY LANES | BASIC FORMULA INITIAL (ACCIDENTS/YR) a | NO. YRS T | NO. OBSERVED ACCIDENTS 1993-1997 N | PREDICTED ACCIDENTS PER YR B | Estimated Annual Accident Frequency A |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 193299D | 006940 | MN | DODGE | 2ND AVE. S.W. | DODGE CENTER | PASSIVE | PASSIVE | 380 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.076 | 5 | 0 | 0.046 | 0.033 |
| 193363A | 006950 | MN | DODGE | THIRD AVE N.W. | DODGE CENTER | FLASHING LIGHTS | FLASHING LIGHTS | 3300 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.105 | 5 | 1 | 0.147 | 0.078 |
| 193300V | 007000 | MN | DODGE | CO RD H | DODGE CENTER | PASSIVE | PASSIVE | 500 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.084 | 5 | 0 | 0.050 | 0.036 |
| 193364G | 007140 | MN | DODGE | TWP 145 | DODGE CENTER | PASSIVE | PASSIVE | 55 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.020 | 5 | 0 | 0.015 | 0.011 |
| 193303R | 7190 | MN | DODGE | Twp 153 | DODGE CENTER | PASSIVE | PASSIVE | 10 | 11 | 7 | 49 | 1 | 2 | 2 | 0.011 | 5 | 0 | 0.008 | 0.006 |
| 193365N | 007270 | MN | DODGE | CO RD 5 | CLAREMONT | PASSIVE | PASSIVE | 310 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.070 | 5 | 0 | 0.044 | 0.031 |
| 193366V | 007320 | MN | DODGE | TWP 180 | CLAREMONT | PASSIVE | PASSIVE | 49 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.020 | 5 | 0 | 0.015 | 0.010 |
| 193367C | 7370 | MN | DODGE | TWP 154 | CLAREMONT | PASSIVE | PASSIVE | 55 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.020 | 5 | 0 | 0.015 | 0.011 |
| 193368J | 007480 | MN | DODGE | TWP 157 | CLAREMONT | PASSIVE | PASSIVE | 55 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.020 | 5 | 0 | 0.015 | 0.011 |
| 193369R | 007580 | MN | DODGE | CO RD 3 | CLAREMONT | PASSIVE | PASSIVE | 570 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.088 | 5 | 0 | 0.052 | 0.037 |
| 193370K | 007640 | MN | DODGE | ELM | CLAREMONT | PASSIVE | PASSIVE | 380 | 11 | 6.88 | 49 | 3 | 2 | 1 | 0.042 | 5 | 0 | 0.029 | 0.020 |
| 193371S | 007680 | MN | DODGE | CO RD 1 | CLAREMONT | PASSIVE | PASSIVE | 550 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.087 | 5 | 1 | 0.133 | 0.095 |
| 193307T | 007780 | MN | DODGE | TWP 171 | CLAREMONT | PASSIVE | PASSIVE | 55 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.020 | 5 | 0 | 0.015 | 0.011 |
| 193372Y | 007980 | MN | STEELE | CO RD 16/ SE 84 AVE | CLAREMONT | PASSIVE | PASSIVE | 175 | 11 | 6.88 | 49 | 2 | 1 | 2 | 0.057 | 5 | 0 | 0.037 | 0.027 |
| 193373F | 008090 | MN | STEELE | SE 74TH AVE | CLAREMONT | PASSIVE | PASSIVE | 55 | 11 | 6.88 | 49 | 2 | 2 | 2 | 0.020 | 5 | 0 | 0.015 | 0.011 |
| 193311H | 8130 | MN | STEELE | SE 28th Ave | CLAREMONT | PASSIVE | PASSIVE | 55 | 11 | 6.88 | 49 | 2 | 2 | 2 | 0.020 | 5 | 0 | 0.015 | 0.011 |
| 193374M | 008180 | MN | STEELE | SE 64TH STREET | OWATONNA | PASSIVE | PASSIVE | 80 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.023 | 5 | 0 | 0.017 | 0.012 |
| 193375U | 008290 | MN | STEELE | US HWY 14 | OWATONNA | FLASHING LIGHTS | FLASHING LIGHTS | 4700 | 11 | 6.88 | 49 | 1 | 1 | 4 | 0.175 | 5 | 1 | 0.188 | 0.100 |
| 193376B | 008390 | MN | STEELE | SE 44 AVE/ CO RD 59 | OWATONNA | PASSIVE | PASSIVE | 365 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.075 | 5 | 0 | 0.046 | 0.033 |
| 193312P | 008500 | MN | STEELE | SE 34TH AVE | OWATONNA | PASSIVE | PASSIVE | 55 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.020 | 5 | 0 | 0.015 | 0.011 |
| 193377H | 008540 | MN | STEELE | CO RD 71 | OWATONNA | PASSIVE | PASSIVE | 155 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.054 | 5 | 0 | 0.036 | 0.026 |
| 193382E | 8740 | MN | STEELE | RICE LAKE STREET | OWATONNA | FLASHING LIGHTS | FLASHING LIGHTS | 1500 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.076 | 5 | 0 | 0.047 | 0.025 |
| 380294J | 8750 | MN | STEELE | E. Vine St | OWATONNA | PASSIVE | PASSIVE | 200 | 11 | 6.875 | 35 | 1 | 1 | 2 | 0.054 | 5 | 0 | 0.035 | 0.025 |
| 187034M | 8760 | MN | STEELE | Chestnut St | OWATONNA | PASSIVE | PASSIVE | 200 | 11 | 6.875 | 35 | 1 | 2 | 1 | 0.030 | 5 | 0 | 0.021 | 0.015 |
| 187033F | 008776 | MN | STEELE | ROSE ST | OWATONNA | GATES | GATES | 3515 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.052 | 5 | 0 | 0.035 | 0.017 |
| 187032Y | 8780 | MN | STEELE | Pine Ave | OWATONNA | GATES | GATES | 2000 | 11 | 6.875 | 35 | 1 | 1 | 2 | 0.044 | 5 | 0 | 0.030 | 0.015 |
| **Segment 3 Owatonna to Waseca MP 88.1 to 102.5** | | | | | | | | | | | | | | | | | | | |
| 193383L | 8830 | MN | STEELE | ELM AVE | OWATONNA | FLASHING LIGHTS | FLASHING LIGHTS | 2515 | 11 | 6.88 | 49 | 4 | 1 | 4 | 0.241 | 5 | 0 | 0.098 | 0.052 |
| 193384T | 008840 | MN | STEELE | CEDAR AVE | OWATONNA | FLASHING LIGHTS | FLASHING LIGHTS | 6800 | 11 | 6.88 | 49 | 3 | 1 | 4 | 0.299 | 5 | 0 | 0.109 | 0.058 |
| 193388V | 008890 | MN | STEELE | STATE AVE | OWATONNA | FLASHING LIGHTS | FLASHING LIGHTS | 5600 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.131 | 5 | 0 | 0.069 | 0.036 |
| 193390W | 008950 | MN | STEELE | PARK DRIVE | OWATONNA | FLASHING LIGHTS | FLASHING LIGHTS | 125 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.027 | 5 | 0 | 0.020 | 0.010 |
| 193391D | 008970 | MN | STEELE | 24TH AVE. N.W. | OWATONNA | FLASHING LIGHTS | FLASHING LIGHTS | 2700 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.097 | 5 | 1 | 0.141 | 0.074 |
| 193392K | 009030 | MN | STEELE | 32ND AVE/ TWP 229 | OWATONNA | PASSIVE | PASSIVE | 70 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.022 | 5 | 1 | 0.069 | 0.050 |
| 193394Y | 9250 | MN | STEELE | 52 AVE SW/ CO RD 17 | OWATONNA | PASSIVE | PASSIVE | 290 | 11 | 6.88 | 49 | 2 | 1 | 4 | 0.069 | 5 | 0 | 0.043 | 0.031 |
| 193395F | 9350 | MN | STEELE | NW 62ND AVE | OWATONNA | PASSIVE | PASSIVE | 100 | 11 | 6.88 | 49 | 2 | 1 | 4 | 0.046 | 5 | 0 | 0.031 | 0.022 |
| 193397U | 009640 | MN | STEELE | SW 92ND AVE | MERIDEN | PASSIVE | PASSIVE | 555 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.087 | 5 | 1 | 0.133 | 0.095 |
| 193398B | 009780 | MN | WASECA | 178TH ST/ TWP 128 | MERIDEN | PASSIVE | PASSIVE | 55 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.020 | 5 | 2 | 0.119 | 0.085 |
| 193399H | 009930 | MN | WASECA | GOOSE LAKE XING | WASECA | PASSIVE | PASSIVE | 10 | 11 | 6.88 | 49 | 1 | 2 | 1 | 0.011 | 5 | 0 | 0.008 | 0.006 |
| 193400A | 010090 | MN | WASECA | 145TH ST/ CO RD 5 | WASECA | PASSIVE | PASSIVE | 500 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.084 | 5 | 0 | 0.050 | 0.036 |
| 193403V | 010180 | MN | WASECA | 8TH STREET S.E. | WASECA | FLASHING LIGHTS | FLASHING LIGHTS | 2000 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.086 | 5 | 0 | 0.051 | 0.027 |
| 193404C | 010200 | MN | WASECA | 7TH STREET SE | WASECA | PASSIVE | PASSIVE | 200 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.060 | 5 | 1 | 0.109 | 0.078 |
| 193405J | 010220 | MN | WASECA | 5TH ST. SE | WASECA | PASSIVE | PASSIVE | 2700 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.156 | 5 | 0 | 0.077 | 0.055 |
| 193406R | 010250 | MN | WASECA | STATE ST. | WASECA | FLASHING LIGHTS | FLASHING LIGHTS | 7900 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.151 | 5 | 0 | 0.075 | 0.040 |
| **Segment 4 Waseca to Walnut Grove MP 102.5 to 219** | | | | | | | | | | | | | | | | | | | |

Post-Construction Accident Prediction Summary
Minnesota 20 MNT
Alternative C

| FRA ID | MILEPOST | STATE | COUNTY | STREET | CITY | EXISTING DEVICE | PROPOSED DEVICE | ADT c | TRNS PER DAY t | NO. THRU TRNS/DAY DAYLIGHT d | MAX. TT SPEED (MPH) | NO. MAIN TRKS | HWY PAVED YES=1 NO=2 | NO. HWY LANES | BASIC FORMULA INITIAL (ACCIDENTS/YR) a | NO. YRS T | NO. OBSERVED ACCIDENTS 1993-1997 N | PREDICTED ACCIDENTS PER YR B | Estimated Annual Accident Frequency A |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 193314D | 010260 | MN | WASECA | 2ND ST. S.W. | WASECA | FLASHING LIGHTS | FLASHING LIGHTS | 1050 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.066 | 5 | 0 | 0.042 | 0.022 |
| 193315K | 010270 | MN | WASECA | 4TH ST. S.W. | WASECA | GATES | GATES | 2700 | 11 | 6.88 | 49 | 3 | 1 | 2 | 0.065 | 5 | 0 | 0.041 | 0.020 |
| 193317Y | 010340 | MN | WASECA | CO RD 57 | WASECA | FLASHING LIGHTS | FLASHING LIGHTS | 650 | 11 | 6.88 | 49 | 2 | 1 | 2 | 0.065 | 5 | 0 | 0.041 | 0.022 |
| 193318F | 010380 | MN | WASECA | Brown St/ CO RD 2 | WASECA | FLASHING LIGHTS | FLASHING LIGHTS | 2600 | 11 | 6.88 | 49 | 2 | 1 | 2 | 0.116 | 5 | 1 | 0.154 | 0.081 |
| 193320G | 010460 | MN | WASECA | Airport/ CO RD 27 | WASECA | PASSIVE | PASSIVE | 810 | 11 | 6.88 | 49 | 2 | 1 | 2 | 0.100 | 5 | 0 | 0.057 | 0.041 |
| 193322V | 010620 | MN | WASECA | CO RD 52/ 95TH ST | WASECA | PASSIVE | PASSIVE | 55 | 11 | 6.88 | 49 | 2 | 2 | 2 | 0.020 | 5 | 0 | 0.015 | 0.011 |
| 193324J | 010730 | MN | WASECA | 85TH ST/ TWP 161 | WASECA | PASSIVE | PASSIVE | 55 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.020 | 5 | 0 | 0.015 | 0.011 |
| 193326X | 010850 | MN | WASECA | CO RD 17 | JANESVILLE | PASSIVE | PASSIVE | 190 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.032 | 5 | 0 | 0.023 | 0.016 |
| 193328L | 010960 | MN | WASECA | 60TH STREET | JANESVILLE | PASSIVE | PASSIVE | 10 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.011 | 5 | 0 | 0.008 | 0.006 |
| 193329T | 11020 | MN | WASECA | Twp 92 | JANESVILLE | PASSIVE | PASSIVE | 20 | 11 | 6.875 | 49 | 1 | 2 | 2 | 0.014 | 5 | 0 | 0.011 | 0.008 |
| 193341A | 011090 | MN | WASECA | CO RD 33 & 66 | JANESVILLE | PASSIVE | PASSIVE | 110 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.026 | 5 | 0 | 0.019 | 0.014 |
| 193342G | 11190 | MN | WASECA | County Road 53 | JANESVILLE | PASSIVE | PASSIVE | 100 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.025 | 5 | 0 | 0.018 | 0.013 |
| 193344V | 011260 | MN | WASECA | TEAL ST | JANESVILLE | PASSIVE | PASSIVE | 1100 | 11 | 6.88 | 49 | 4 | 1 | 2 | 0.112 | 5 | 0 | 0.062 | 0.044 |
| 193346J | 011280 | MN | WASECA | SOUTH MAIN STREET | JANESVILLE | GATES | GATES | 1900 | 11 | 6.88 | 49 | 3 | 1 | 2 | 0.059 | 5 | 0 | 0.038 | 0.019 |
| 193348X | 011300 | MN | WASECA | CRAIG ST | JANESVILLE | PASSIVE | PASSIVE | 380 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.076 | 5 | 0 | 0.046 | 0.033 |
| 193349E | 011310 | MN | WASECA | S. SKOOKUM ST | JANESVILLE | PASSIVE | PASSIVE | 380 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.042 | 5 | 0 | 0.029 | 0.020 |
| 193354B | 011510 | MN | WASECA | CO RD 60 | JANESVILLE | PASSIVE | PASSIVE | 275 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.067 | 5 | 1 | 0.116 | 0.083 |
| 193356P | 011630 | MN | WASECA | CO RD 37 | JANESVILLE | PASSIVE | PASSIVE | 565 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.088 | 5 | 1 | 0.133 | 0.096 |
| 193407X | 011660 | MN | BLUE EARTH | CO RD 184 | JANESVILLE | PASSIVE | PASSIVE | 235 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.035 | 5 | 0 | 0.025 | 0.018 |
| 193410F | 11750 | MN | BLUE EARTH | Twp 313 | JANESVILLE | PASSIVE | PASSIVE | 100 | 11 | 7 | 49 | 1 | 2 | 2 | 0.025 | 5 | 0 | 0.018 | 0.013 |
| 193408E | 011870 | MN | BLUE EARTH | CO RD 185 | EAGLE LAKE | PASSIVE | PASSIVE | 85 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.024 | 5 | 0 | 0.017 | 0.013 |
| 193411M | 011980 | MN | BLUE EARTH | TWP 325 | EAGLE LAKE | PASSIVE | PASSIVE | 73 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.023 | 5 | 0 | 0.017 | 0.012 |
| 193414H | 012080 | MN | BLUE EARTH | CO RD 332 | EAGLE LAKE | PASSIVE | PASSIVE | 39 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.033 | 5 | 0 | 0.023 | 0.017 |
| 193509R | 14720 | MN | BLUE EARTH | Twp. 461 | | PASSIVE | PASSIVE | 100 | 11 | 6.88 | 49 | 2 | 2 | 1 | 0.025 | 5 | 0 | 0.018 | 0.013 |
| 193480V | 14890 | MN | BLUE EARTH | JUDSON FORT RD/ TW | MANKATO | PASSIVE | PASSIVE | 52 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.020 | 5 | 0 | 0.015 | 0.011 |
| 193481C | 14980 | MN | BLUE EARTH | CSAH 42 | MANKATO | PASSIVE | PASSIVE | 970 | 11 | 6.88 | 49 | 2 | 1 | 2 | 0.107 | 5 | 0 | 0.060 | 0.043 |
| 193482J | 14990 | MN | BLUE EARTH | PARK ST/ TWP 245 | MANKATO | PASSIVE | PASSIVE | 60 | 11 | 6.88 | 49 | 3 | 1 | 2 | 0.038 | 5 | 0 | 0.027 | 0.019 |
| 193483R | 15020 | MN | BLUE EARTH | PRAIRIE ST/ TWP 249 | MANKATO | PASSIVE | PASSIVE | 55 | 11 | 6.88 | 49 | 3 | 2 | 1 | 0.020 | 5 | 0 | 0.015 | 0.011 |
| 193484X | 15630 | MN | BLUE EARTH | CSAH 6 | NEW ULM | PASSIVE | PASSIVE | 160 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.055 | 5 | 0 | 0.036 | 0.026 |
| 193485E | 15660 | MN | BLUE EARTH | TWP 236 | NEW ULM | PASSIVE | PASSIVE | 80 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.043 | 5 | 0 | 0.029 | 0.021 |
| 193487T | 15810 | MN | BLUE EARTH | TWP 97 | NEW ULM | FLASHING LIGHTS | FLASHING LIGHTS | 750 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.057 | 5 | 0 | 0.037 | 0.020 |
| 193571H | 16060 | MN | BROWN | CSAH 45 | NEW ULM | PASSIVE | PASSIVE | 100 | 11 | 7 | 49 | 2 | 2 | 2 | 0.025 | 5 | 0 | 0.018 | 0.013 |
| 193522E | 16270 | MN | BROWN | SHAG RD/ TWP 96 | NEW ULM | PASSIVE | PASSIVE | 115 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.027 | 5 | 0 | 0.019 | 0.014 |
| 193523L | 16310 | MN | BROWN | TOWER RD | NEW ULM | PASSIVE | PASSIVE | 50 | 11 | 7 | 49 | 2 | 1 | 2 | 0.036 | 5 | 1 | 0.085 | 0.061 |
| 193488A | 16410 | MN | BROWN | 20TH SOUTH ST. | NEW ULM | FLASHING LIGHTS | FLASHING LIGHTS | 5300 | 11 | 6.88 | 49 | 1 | 1 | 4 | 0.184 | 5 | 0 | 0.085 | 0.045 |
| 196260K | 16440 | MN | BROWN | SE 16th St | NEW ULM | PASSIVE | PASSIVE | 630 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.050 | 5 | 0 | 0.033 | 0.024 |
| 196261S | 16460 | MN | BROWN | S 12th St. | NEW ULM | GATES | GATES | 800 | 11 | 7 | 49 | 1 | 1 | 2 | 0.034 | 5 | 0 | 0.024 | 0.012 |
| 193491H | 016490 | MN | BROWN | 7TH SOUTH ST. | NEW ULM | PASSIVE | PASSIVE | 650 | 11 | 6.88 | 49 | 4 | 1 | 2 | 0.092 | 5 | 0 | 0.054 | 0.039 |
| 193492P | 16520 | MN | BROWN | 3RD SOUTH ST. | NEW ULM | FLASHING LIGHTS | FLASHING LIGHTS | 770 | 11 | 6.88 | 49 | 6 | 1 | 2 | 0.151 | 5 | 1 | 0.176 | 0.093 |
| 193493W | 016540 | MN | BROWN | 1ST SOUTH ST. | NEW ULM | FLASHING LIGHTS | FLASHING LIGHTS | 1400 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.074 | 5 | 0 | 0.046 | 0.024 |
| 193494D | 016550 | MN | BROWN | CENTER ST | NEW ULM | PASSIVE | PASSIVE | 1200 | 11 | 6.88 | 49 | 2 | 1 | 2 | 0.116 | 5 | 2 | 0.245 | 0.175 |
| 193525A | 16560 | MN | BROWN | FIRST STREET | NEW ULM | PASSIVE | PASSIVE | 630 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.091 | 5 | 1 | 0.136 | 0.098 |
| 193537U | 16570 | MN | BROWN | 3RD NORTH ST. | NEW ULM | FLASHING LIGHTS | FLASHING LIGHTS | 1750 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.081 | 5 | 1 | 0.128 | 0.068 |
| 193536M | 16680 | MN | BROWN | MINNESOTA ST&17TH | NEW ULM | FLASHING LIGHTS | FLASHING LIGHTS | 970 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.064 | 5 | 0 | 0.041 | 0.021 |
| 911203V | 16720 | MN | BROWN | N. 20th St. | NEW ULM | FLASHING LIGHTS | FLASHING LIGHTS | 3500 | 11 | 6.875 | 49 | 1 | 1 | 2 | 0.108 | 5 | 0 | 0.060 | 0.032 |
| 193560N | 16800 | MN | BROWN | BOUNDARY ST./N 23 | NEW ULM | PASSIVE | PASSIVE | 630 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.050 | 5 | 1 | 0.100 | 0.072 |
| 193572H | 016950 | MN | BROWN | CO RD 12 | NEW ULM | PASSIVE | PASSIVE | 60 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.021 | 5 | 0 | 0.016 | 0.011 |
| 193573P | 017050 | MN | BROWN | TWP 128 | NEW ULM | PASSIVE | PASSIVE | 55 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.020 | 5 | 0 | 0.015 | 0.011 |

Post-Construction Accident Prediction Summary
Minnesota 20 MNT
Alternative C

| FRA ID | MILEPOST | STATE | COUNTY | STREET | CITY | EXISTING DEVICE | PROPOSED DEVICE | ADT c | TRNS PER DAY t | NO. THRU TRNS/DAY DAYLIGHT d | MAX. TT SPEED (MPH) | NO. MAIN TRKS | HWY PAVED YES=1 NO=2 | NO. HWY LANES | BASIC FORMULA INITIAL (ACCIDENTS/YR) a | NO. YRS T | NO. OBSERVED ACCIDENTS 1993-1997 N | PREDICTED ACCIDENTS PER YR B | Estimated Annual Accident Frequency A |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 193579F | 017150 | MN | BROWN | TWP 245 | ESSIG | PASSIVE | PASSIVE | 55 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.020 | 5 | 0 | 0.015 | 0.011 |
| 193574W | 017250 | MN | BROWN | TWP 238 | ESSIG | PASSIVE | PASSIVE | 40 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.018 | 5 | 0 | 0.014 | 0.010 |
| 193546T | 017310 | MN | BROWN | TWP 129 | ESSIG | PASSIVE | PASSIVE | 80 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.023 | 5 | 0 | 0.017 | 0.012 |
| 193575D | 017360 | MN | BROWN | CO RD 11/Center St | ESSIG | PASSIVE | PASSIVE | 355 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.074 | 5 | 0 | 0.046 | 0.033 |
| 193547A | 017370 | MN | BROWN | Essig W St/Twp 131 | ESSIG | PASSIVE | PASSIVE | 780 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.099 | 5 | 0 | 0.057 | 0.041 |
| 193548G | 017510 | MN | BROWN | TWP 141 | ESSIG | PASSIVE | PASSIVE | 55 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.020 | 5 | 0 | 0.015 | 0.011 |
| 193577S | 17670 | MN | BROWN | CO RD 10 | SLEEPY EYE | PASSIVE | PASSIVE | 160 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.055 | 5 | 0 | 0.036 | 0.026 |
| 193578Y | 017780 | MN | BROWN | TWP 225 | ESSIG | PASSIVE | PASSIVE | 116 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.027 | 5 | 1 | 0.075 | 0.054 |
| 193558M | 017970 | MN | BROWN | 1ST AVE. | SLEEPY EYE | FLASHING LIGHTS | FLASHING LIGHTS | 3100 | 11 | 6.88 | 49 | 4 | 1 | 2 | 0.182 | 5 | 0 | 0.084 | 0.045 |
| 193557F | 017980 | MN | BROWN | 2ND AVE | SLEEPY EYE | FLASHING LIGHTS | FLASHING LIGHTS | 380 | 11 | 6.88 | 49 | 4 | 1 | 2 | 0.077 | 5 | 0 | 0.047 | 0.025 |
| 193584C | 017990 | MN | BROWN | 4TH AVE SE/ CSAH | SLEEPY EYE | PASSIVE | PASSIVE | 900 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.104 | 5 | 0 | 0.059 | 0.042 |
| 193553D | 018040 | MN | BROWN | 9TH AVE SE | SLEEPY EYE | PASSIVE | PASSIVE | 580 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.089 | 5 | 1 | 0.134 | 0.096 |
| 193554K | 018090 | MN | BROWN | Golf Course/Twp 218 | SLEEPY EYE | PASSIVE | PASSIVE | 55 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.020 | 5 | 0 | 0.015 | 0.011 |
| 193588E | 018280 | MN | BROWN | TWP 138 | SLEEPY EYE | PASSIVE | PASSIVE | 40 | 11 | 6.88 | 49 | 2 | 2 | 2 | 0.018 | 5 | 0 | 0.014 | 0.010 |
| 193589L | 018380 | MN | BROWN | CO RD 8 | SLEEPY EYE | PASSIVE | PASSIVE | 600 | 11 | 6.88 | 49 | 2 | 1 | 2 | 0.090 | 5 | 2 | 0.217 | 0.156 |
| 193590F | 018600 | MN | BROWN | CO RD 7 | COBDEN | PASSIVE | PASSIVE | 130 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.051 | 5 | 0 | 0.034 | 0.024 |
| 193591M | 018610 | MN | BROWN | CENTER ST | COBDEN | PASSIVE | PASSIVE | 380 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.042 | 5 | 0 | 0.029 | 0.020 |
| 193592U | 018700 | MN | BROWN | TWP 3 | COBDEN | PASSIVE | PASSIVE | 48 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.019 | 5 | 0 | 0.014 | 0.010 |
| 193594H | 018870 | MN | BROWN | TWP 191 | COBDEN | PASSIVE | PASSIVE | 55 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.020 | 5 | 0 | 0.015 | 0.011 |
| 193595P | 018940 | MN | BROWN | MN HWY 258 | SPRINGFIELD | FLASHING LIGHTS | FLASHING LIGHTS | 480 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.048 | 5 | 0 | 0.032 | 0.017 |
| 193596W | 019050 | MN | BROWN | TWP 90 | SPRINGFIELD | PASSIVE | PASSIVE | 55 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.020 | 5 | 0 | 0.015 | 0.011 |
| 193610P | 019140 | MN | BROWN | TWP 85 | SPRINGFIELD | PASSIVE | PASSIVE | 55 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.020 | 5 | 0 | 0.015 | 0.011 |
| 911204C | 19260 | MN | BROWN | Cnty Rd 5 | SPRINGFIELD | PASSIVE | PASSIVE | 1250 | 11 | 6.875 | 49 | 1 | 1 | 2 | 0.118 | 5 | 1 | 0.155 | 0.111 |
| 193612D | 19270 | MN | BROWN | SANDBORN ST | SPRINGFIELD | PASSIVE | PASSIVE | 200 | 11 | 6.875 | 49 | 1 | 2 | 2 | 0.033 | 5 | 0 | 0.023 | 0.017 |
| 193613K | 019290 | MN | BROWN | WASHINGTON AVE. | SPRINGFIELD | PASSIVE | PASSIVE | 380 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.076 | 5 | 0 | 0.046 | 0.033 |
| 193599S | 019300 | MN | BROWN | LINCOLN ST | SPRINGFIELD | PASSIVE | PASSIVE | 380 | 11 | 6.88 | 49 | 3 | 1 | 2 | 0.076 | 5 | 0 | 0.046 | 0.033 |
| 193614S | 019310 | MN | BROWN | CASS ST | SPRINGFIELD | FLASHING LIGHTS | FLASHING LIGHTS | 1650 | 11 | 6.88 | 49 | 2 | 1 | 2 | 0.096 | 5 | 0 | 0.055 | 0.029 |
| 193616F | 019330 | MN | BROWN | OCONNELL AVE. | SPRINGFIELD | PASSIVE | PASSIVE | 1000 | 11 | 6.88 | 49 | 3 | 1 | 2 | 0.108 | 5 | 1 | 0.149 | 0.107 |
| 193600J | 019360 | MN | BROWN | BURNS AVE | SPRINGFIELD | PASSIVE | PASSIVE | 380 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.076 | 5 | 0 | 0.046 | 0.033 |
| 193859H | 019410 | MN | BROWN | CO RD 4 | SPRINGFIELD | FLASHING LIGHTS | FLASHING LIGHTS | 600 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.052 | 5 | 0 | 0.035 | 0.018 |
| 193710U | 019760 | MN | REDWOOD | CO RD 2 | SANBORN | PASSIVE | PASSIVE | 160 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.055 | 5 | 0 | 0.036 | 0.026 |
| 193711B | 020050 | MN | BROWN | TWP 2 | SANBORN | PASSIVE | PASSIVE | 56 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.021 | 5 | 0 | 0.015 | 0.011 |
| 193664V | 020080 | MN | REDWOOD | TWP 153 | SANBORN | PASSIVE | PASSIVE | 146 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.029 | 5 | 0 | 0.021 | 0.015 |
| 197897F | 020170 | MN | REDWOOD | MAIN ST. | SANBORN | FLASHING LIGHTS | FLASHING LIGHTS | 1300 | 11 | 6.88 | 49 | 4 | 1 | 2 | 0.128 | 5 | 0 | 0.068 | 0.036 |
| 197896Y | 020180 | MN | REDWOOD | SOUTH ST. | SANBORN | PASSIVE | PASSIVE | 380 | 11 | 6.88 | 49 | 4 | 2 | 2 | 0.042 | 5 | 0 | 0.029 | 0.020 |
| 193669E | 020260 | MN | REDWOOD | TWP 149 | SANBORN | PASSIVE | PASSIVE | 73 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.023 | 5 | 0 | 0.017 | 0.012 |
| 193671F | 020370 | MN | REDWOOD | TWP 147 & 148 | SANBORN | PASSIVE | PASSIVE | 55 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.020 | 5 | 0 | 0.015 | 0.011 |
| 197895S | 020880 | MN | REDWOOD | MAIN ST. | LAMBERTON | FLASHING LIGHTS | FLASHING LIGHTS | 380 | 11 | 6.88 | 49 | 3 | 1 | 2 | 0.064 | 5 | 0 | 0.041 | 0.021 |
| 197894K | 020910 | MN | REDWOOD | ILEX ST./CO RD 6 | LAMBERTON | FLASHING LIGHTS | FLASHING LIGHTS | 1300 | 11 | 6.88 | 49 | 2 | 1 | 2 | 0.087 | 5 | 0 | 0.052 | 0.027 |
| 193712H | 21090 | MN | REDWOOD | TWP 190 | LAMBERTON | PASSIVE | PASSIVE | 55 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.020 | 5 | 0 | 0.015 | 0.011 |
| 193713P | 021300 | MN | REDWOOD | TWP 184 | REVERE | PASSIVE | PASSIVE | 99 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.025 | 5 | 0 | 0.018 | 0.013 |
| 197789J | 021370 | MN | REDWOOD | MAIN ST./CO RD 127 | REVERE | FLASHING LIGHTS | FLASHING LIGHTS | 510 | 11 | 6.88 | 49 | 2 | 1 | 2 | 0.059 | 5 | 0 | 0.038 | 0.020 |
| 193714W | 021410 | MN | REDWOOD | CO RD 7 | REVERE | PASSIVE | PASSIVE | 320 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.071 | 5 | 0 | 0.044 | 0.032 |
| 193715D | 021500 | MN | REDWOOD | TWP 178 | REVERE | PASSIVE | PASSIVE | 55 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.020 | 5 | 0 | 0.015 | 0.011 |
| 193716K | 021610 | MN | REDWOOD | CO RD 10 | WALNUT GROVE | PASSIVE | PASSIVE | 125 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.050 | 5 | 0 | 0.033 | 0.024 |
| 193717S | 021710 | MN | REDWOOD | TWP 127 | WALNUT GROVE | PASSIVE | PASSIVE | 44 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.019 | 5 | 0 | 0.014 | 0.010 |
| 193718Y | 021810 | MN | REDWOOD | CO RD 80 | WALNUT GROVE | PASSIVE | PASSIVE | 530 | 11 | 6.88 | 49 | 1 | 1 | 2 | 0.086 | 5 | 0 | 0.051 | 0.037 |
| 193719F | 021880 | MN | REDWOOD | 1ST ST | WALNUT GROVE | PASSIVE | PASSIVE | 49 | 11 | 6.88 | 49 | 1 | 2 | 2 | 0.020 | 5 | 1 | 0.066 | 0.047 |