

Study Location: Yard Office and Laurel Airport

Counter Location: 400' from intersection on Laurel Airport Road, 150' from intersection on Yard Office Road.

Study Timeframe: September 30 – October 7, 2025

Speed data was collected over a 7-day period at the intersection of Yard Office Road and Laurel Airport Road.

A summary of study data is shown on the next page. Generally speaking, the data doesn't suggest there are speeding issues near the intersection that could be the root cause of safety concerns near the intersection.

The posted speed limit on Laurel Airport Road is 60 mph. At both the east and west collection point the 85th percentile of traffic is traveling at 62.1mph/60.8 mph. Our measure of success is for the 85th percentile to be within 5 miles an hour of the posted limit. For Yard Office, the speed limit is 50. At both the north and south data collection points the speeds were reducing significantly with Yard Office North of Airport Road 85th percentile slowing to 32.8 mph and the and Yard Office South of Airport Road slowing to 37.3 mph.

The data does not indicate visibility issues or unsafe travel behavior approaching the intersection but more so suggests poor decision making or driver behavior once decision points are made at the intersection. Based on these findings, a 4-way stop does not appear to be warranted at this time.

Recommendations:

- Contact the landowner at the SW corner of the intersection to get permission to remove tree to increase sight distance.
- Consider other vegetation controls.
- Consider signage improvements such as larger stop signs and cross traffic does not stop signs.
- Provide information to Yellowstone County Sheriff's Office.
- Forward data to PTOE for additional review.
- Conduct additional study in 2026 to monitor and look for changes in patterns.

| Laurel Airport West of Yard Office | | Posted Speed Limit | | 60 | | | | | | | | | |
|-------------------------------------|-----------|--------------------|-------|-------|-------|-------|-----------|-------|-------|-------|-------|-----|---|
| | 0-39 | 40-44 | 45-49 | 50-54 | 55-59 | 60-64 | 65-69 | 70-74 | 75-79 | 80-84 | 85-89 | 90+ | |
| West Bound | 2032 | 195 | 153 | 243 | 405 | 591 | 338 | 86 | 14 | 4 | 1 | 1 | 1 |
| East Bound | 1947 | 119 | 141 | 289 | 344 | 556 | 369 | 105 | 20 | 4 | 0 | 0 | 0 |
| Combined | 3979 | 314 | 294 | 532 | 749 | 1147 | 707 | 191 | 34 | 8 | 1 | 1 | 1 |
| Percentile | 10% | 15% | 50% | 85% | 90% | | | | | | | | |
| (mph) | 41.4 | 44.5 | 55.2 | 62.1 | 63.4 | | | | | | | | |
| Pace Range (mph) | 52.3-62.3 | 52.3% of vehicles | | | | | 7 Day ADT | 562 | | | | | |
| Average (mph) | 53.8 | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| Laurel Airport East of Yard Office | | Posted Speed Limit | | 60 | | | | | | | | | |
| | 0-39 | 40-44 | 45-49 | 50-54 | 55-59 | 60-64 | 65-69 | 70-74 | 75-79 | 80-84 | 85-89 | 90+ | |
| West Bound | 9455 | 483 | 970 | 1933 | 2078 | 2431 | 1221 | 245 | 74 | 13 | 5 | 0 | 2 |
| East Bound | 9003 | 705 | 1134 | 1268 | 1330 | 2461 | 1562 | 402 | 107 | 19 | 5 | 7 | 3 |
| Combined | 18458 | 1188 | 2104 | 3201 | 3408 | 4892 | 2783 | 647 | 181 | 32 | 10 | 7 | 5 |
| Percentile | 10% | 15% | 50% | 85% | 90% | | | | | | | | |
| (mph) | 42 | 43.8 | 54.2 | 60.8 | 63.4 | | | | | | | | |
| Pace Range (mph) | 49.7-59.7 | 47.9% of vehicles | | | | | 7 Day ADT | 2635 | | | | | |
| Average (mph) | 53 | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| Yard Office South of Laurel Airport | | Posted Speed Limit | | 50 | | | | | | | | | |
| | 0-39 | 40-44 | 45-49 | 50-54 | 55-59 | 60-64 | 65-69 | 70-74 | 75-79 | 80-84 | 85-89 | 90+ | |
| North Bound | 3166 | 2940 | 202 | 20 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Bound | 4103 | 3976 | 116 | 10 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Combined | 7269 | 6916 | 318 | 30 | 3 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Percentile | 10% | 15% | 50% | 85% | 90% | | | | | | | | |
| (mph) | 27.1 | 28.4 | 32.8 | 37.3 | 38.2 | | | | | | | | |
| Pace Range (mph) | 27.9-37.9 | 77.1% of vehicles | | | | | 7 Day ADT | 1024 | | | | | |
| Average (mph) | 32.6 | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| Yard Office North of Laurel Airport | | Posted Speed Limit | | 50 | | | | | | | | | |
| | 0-39 | 40-44 | 45-49 | 50-54 | 55-59 | 60-64 | 65-69 | 70-74 | 75-79 | 80-84 | 85-89 | 90+ | |
| North Bound | 1689 | 1661 | 22 | 5 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Bound | 1920 | 1911 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Combined | 3609 | 3572 | 31 | 5 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Percentile | 10% | 15% | 50% | 85% | 90% | | | | | | | | |
| (mph) | 22.8 | 24 | 28.4 | 32.8 | 33.9 | | | | | | | | |
| Pace Range (mph) | 23.1-33.1 | 76.3% of vehicles | | | | | 7 Day ADT | 509 | | | | | |
| Average (mph) | 28.4 | | | | | | | | | | | | |

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