

**WY 22  
RM 5.9 to RM 6.8**

**Speed Limit Study  
West of Wilson**

**Teton County, WY**

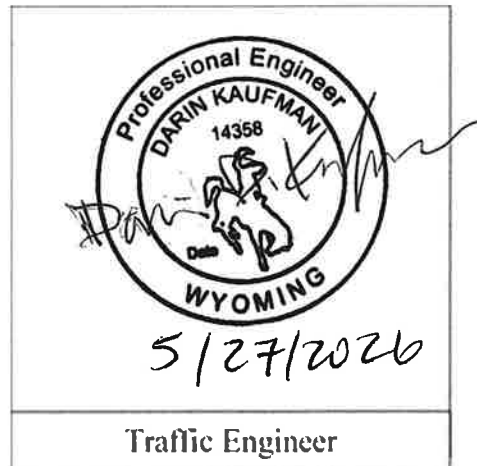
**March 2026**

**Prepared By:**

**Darin D. Kaufman, District Traffic Engineer**

**Wyoming Department of Transportation**

**District 3 Rock Springs**



**Traffic Engineer**

# WY 22 (West of Wilson) Speed Study

## Introduction

This study is in response to written request (**Appendix A**) from the Teton County Board of County Commissioners and Teton County Sheriff. The request is interested in modifying the speed transition west of the community of Wilson along the downhill grade of WY 22. The area currently has a posted speed limit of 45-25 mph, from west to east. The request includes extending the existing 25-mph limit, adding a 35-mph zone, and examining other measures to change driver behavior and alert motorists unfamiliar with the area entering the community of Wilson from a mountainous environment. Data collection and inventory of existing signage will be between Fall Creek Road and Trail Creek Road (RM 5.9 to RM 6.8).

## Corridor Description

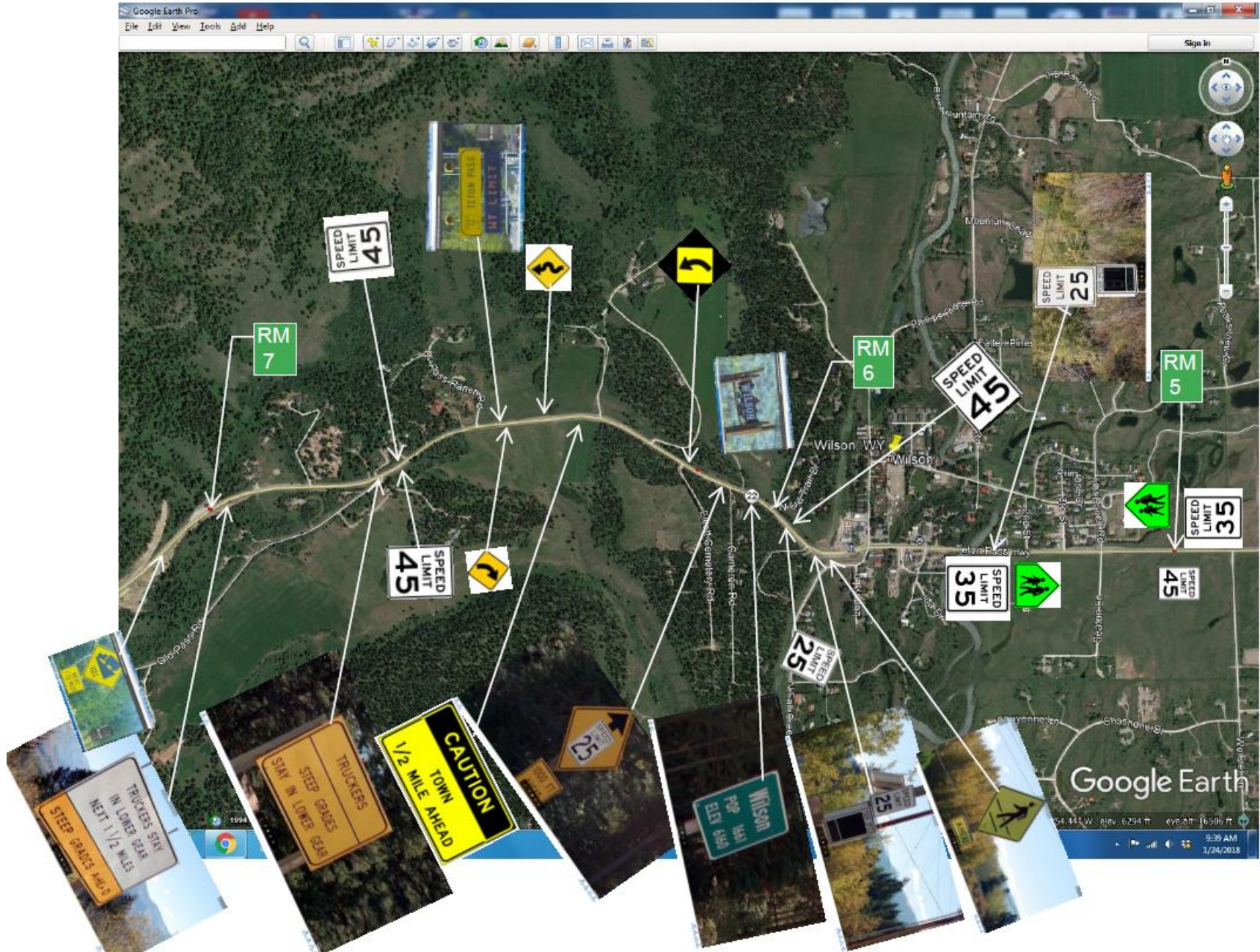
WY 22 (ML-2000B) is an east-west rural minor arterial highway located between the communities of Jackson, Wilson, and the ID/WY state line in Teton County. The roadway primarily consists of one lane in each direction and 4-foot shoulders within the study limits. A separated pathway, maintained by Teton County, is located south and parallel to WY 22. Radar feedback signs, installed and maintained by Teton County under an agreement with WYDOT, are located near Fish Creek Bridge and Fall Creek Road within the community of Wilson. This study segment has various signs warning of steep grades and advising truckers to stay in low gear, a road closed gate, avalanche related signing, a changeable message sign, town ahead sign, Welcome to Wilson sign, community identification sign, and other warning signs.

According to WYDOT's records, the posted speed limit of 45-mph west of Wilson was established in 2018. The posted speed of 25-mph through the community of Wilson does not have documentation as ever being established as required by state statutes, and the posted speed limit of 35mph east of Wilson is temporary. When Teton County's BUILD enhancements within the community of Wilson are complete, speed limits will be revisited and established based on engineering and traffic study standards.

This highway segment has a 2024 AADT of approximately 10,000 vehicles (400 trucks) per day and a 2020 – 2024 crash history of 25 total crashes (1 fatal, 4 injury, 20 property damage only).

Adjacent roadside environment consists primarily of a mixture of residential and rural undeveloped/agricultural properties within the study limits, except for the unincorporated community of Wilson. The existing conditions are shown in **Exhibit 1**.

# EXHIBIT 1 - Existing Conditions



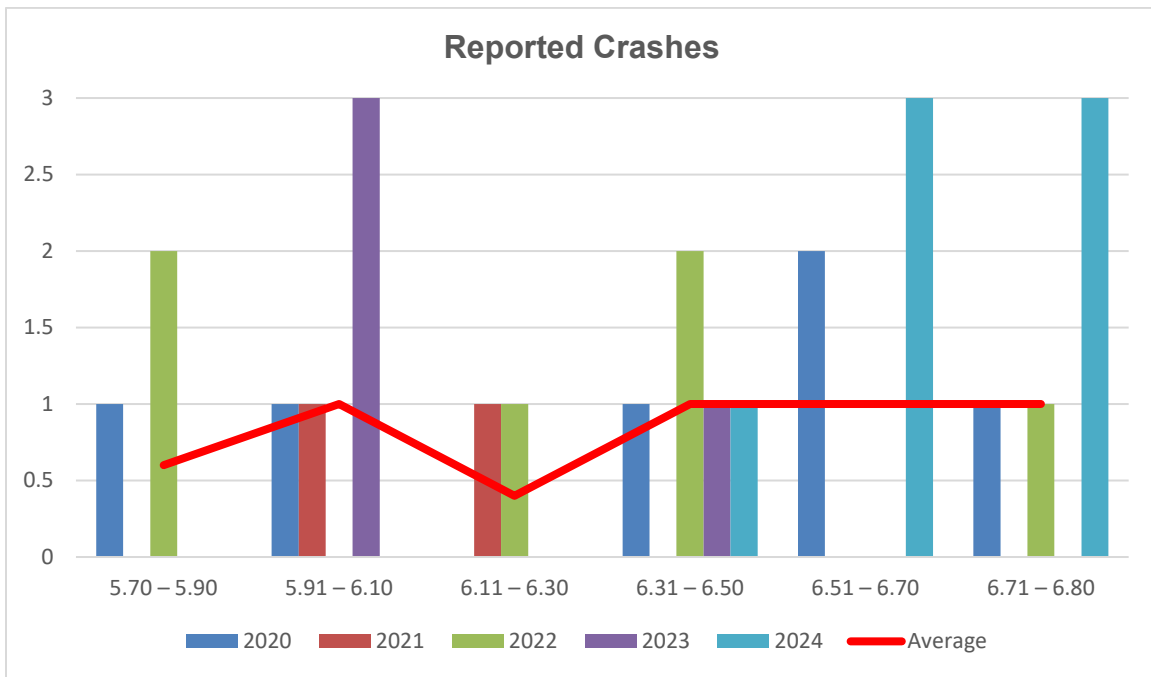
## Crash Analysis

Crash data was collected for the past five years (January 1, 2020 through December 31, 2024) for the 1.1-mile section of roadway from RM 5.7 to RM 6.8 (west of Wilson). A printout of the crash data is attached (**Appendix B**). There was a total of 25 crashes (1 fatal, 4 injury, 20 property damage only) spread out along this section with rear-end, sideswipe, and wildlife related crash types as the prevailing occurrence.

Reported crash data was broken down into years, crash severity, manner of collision, and first harmful event. No pedestrian or bicycle-related incidents were identified.

**Reported Crashes**

2020	2021	2022	2023	2024	Total
6	2	6	4	7	25



**Reported Crash Severity**

Fatal Injury	Serious Injury	Minor Injury	Injury	PDO	Total
1	0	1	3	20	25

Critical crashes = crashes with fatal or serious injury crashes (4%)

Serious crashes = Minor or injury crashes (16%)

PDO = property damage only or no injury crashes (80%)

**Reported Manner of Collision**

*Not Collision/ Null Value	Rear End	Angle	Sideswipe Opp Dir	Sideswipe Same Dir	Backing	Head On	Total
12	5	2	3	1	1	1	25

\*Not Collision/Null Value = Not a collision with another vehicle/single vehicle crash or wildlife vehicle collision.

Not Collision/Null Value and Rear End crashes make up the majority of crashes at 48% and 20%, respectively. Wildlife collisions are 67% (8) of the Not Collision/Null Value total.

**Reported First Harmful Event**

Overturn or Rollover	Another Vehicle on Road	Wild* (Deer/Elk/Moose)	Snow Bank	Cargo Eqpt Shift	Total
2	13	8	1	1	25

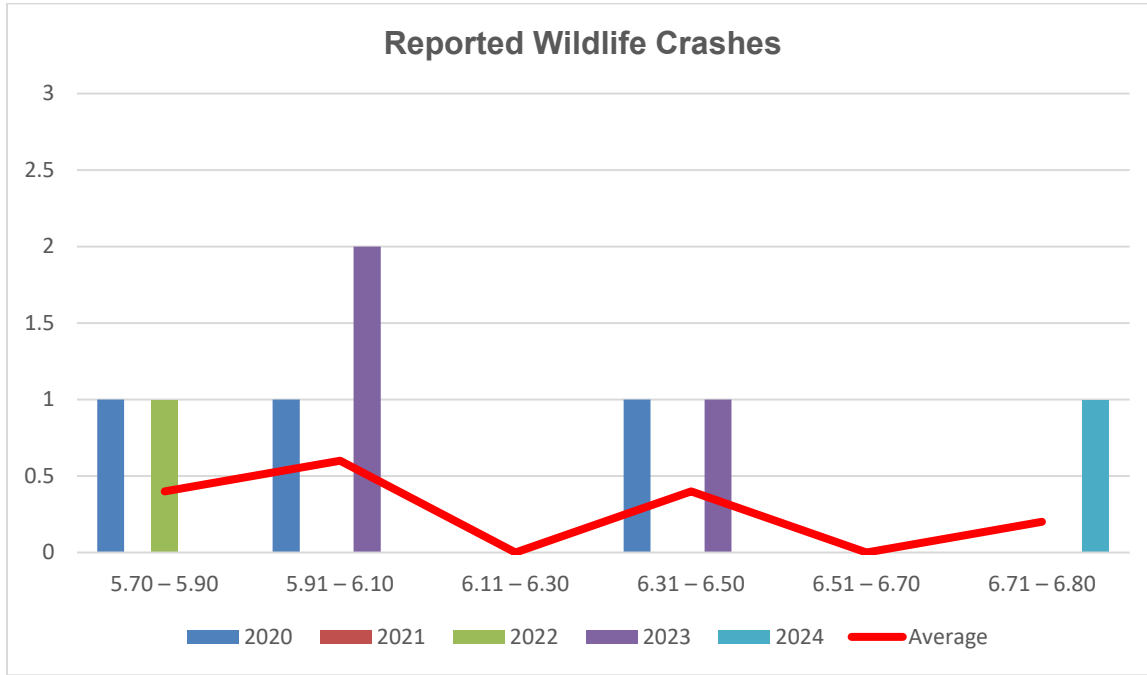
\*Of the total 8 reported wildlife incidents included 1 (12.5%) moose, 1 (12.5%) elk, and 6 (75%) deer.

**Wildlife (Deer/Elk/Moose) Vehicle Collisions**

2020	2021	2022	2023	2024	Total*
3		1	3	1	8

Carcass data for this period was not available.

\*Of the total 8 wildlife incidents above, 1 (12.5%) moose, 1 (12.5%) elk, and 6 (75%) deer.



## Speed Data Analysis

On March 18, 2026, WYDOT staff collected free flow speed data at 4 locations on WY 22 for both directions of travel. See **Exhibit 2** for exact locations. The free flow speeds were taken with radar units and a minimum 100-vehicle sample were collected for each of the locations. A minimum 100-vehicle sample data set of unobstructed free-flowing speeds on a clear day is considered statistically adequate for a spot speed study.

The 85<sup>th</sup>-percentile speed is the speed at which 85 percent of all vehicles were traveling at or below, under the prevailing conditions at the time of the spot speed study. According to the *Manual on Uniform Traffic Control Devices* (MUTCD), the 85<sup>th</sup> percentile speed is generally used as the preferred starting point with considerations of other roadside features when determining the specific maximum speed limit for a rural roadway through a community.

The pace shown in the spot speed study results tables are the 10-mph band where the greatest number of speed samples occurred. Preferably, the upper limit of the pace should reasonably correspond with the 85<sup>th</sup>-percentile speed and the posted speed limit. The lower limit of the pace is a number which the speed limit should never be at or below.

The existing speed zones and the results of the spot speed studies, conducted at various locations on WY 22, are shown in the tables below. In addition, a description of the results of the spot speed analysis, prevailing speeds, and the recommended speed limit for each section is provided. The individual spot speed study forms are attached (**Appendix C**).

### Spot Speed Study Results

Location 1:		Westbound	Eastbound
RM 5.93 (Fall Creek Road)	POSTED SPEED	45	25
	85 <sup>th</sup> % SPEED	41	37
	50 <sup>th</sup> % SPEED	37	32
	10 MPH PACE	36 -45	31 -40
	% COMPLIANCE	0.3	6.1

For the section of roadway near Fall Creek Road, as shown in the table for Location #1 above, the 85<sup>th</sup>-percentile speeds were 12 mph to 16 mph above, and the upper limit of the pace were 15 mph and 20 mph above the posted speed limit of 25-mph. The speed data collected in this area indicates that motorists are adjusting their speeds for the environment, as indicated by the 85<sup>th</sup>-percentile speed being between 41 and 37 mph, and the pace being 36 – 45 mph and 31 – 40 mph, westbound and eastbound respectively. Based on a review of the area, the roadway environment is in a fringe urban area. Based on the speed data, speed profile, speed compliance, and roadway environment in the area, the recommended speed limit from the speed study worksheets should remain unchanged.

## EXHIBIT 2 – Speed Study Locations



Location 2:		Westbound	Eastbound
RM 6.12 (Cameron Road)	POSTED SPEED	45	45
	85 <sup>th</sup> % SPEED	47	43
	50 <sup>th</sup> % SPEED	42	38
	10 MPH PACE	40 – 49	36 – 45
	% COMPLIANCE	65	88

For the section of roadway near Cameron Road, as shown in the table for Location #2 above, the 85<sup>th</sup>-percentile speeds were 2 mph above to 2 mph below, and the upper limit of the pace were 4 mph above to 0 mph above the posted speed limit of 45-mph. The speed data collected in this area suggests that motorists are adjusting their speeds for the environment, as indicated by the 85<sup>th</sup>-percentile speed being between 47 and 43 mph, and the pace being 40 – 49 mph and 35 – 45 mph, westbound and eastbound respectively. Based on a review of the area, the roadway environment is in a fringe rural area. Based on the speed data, speed profile, speed compliance, and roadway environment in the area, the existing posted speed from the speed study worksheets indicate that the speed limit should remain unchanged.

Location 3:		Westbound	Eastbound
RM 6.44 (near Legacy Ranch)	POSTED SPEED	45	45
	85 <sup>th</sup> % SPEED	51	47
	50 <sup>th</sup> % SPEED	46	42
	10 MPH PACE	43 – 52	41 – 50
	% COMPLIANCE	26	65

For the section of roadway near Legacy Ranch, as shown in the table for Location #3 above, the 85<sup>th</sup>-percentile speeds were 6 mph above to 2 mph above, and the upper limit of the pace was 7 mph above to 5 mph above the posted speed limit of 45-mph. The speed data collected in this area indicates that motorists are adjusting their speeds for the roadway environment, as indicated by the 85<sup>th</sup>-percentile speed being between 51 and 47 mph, and the pace being 43 - 52 mph and 41 – 50 mph, westbound and eastbound respectively. Based on a review of the area, the roadway environment is rural. Based on the speed data, speed profile, speed compliance, and roadway environment in the area, the recommended speed limit from the speed study worksheets should remain unchanged.

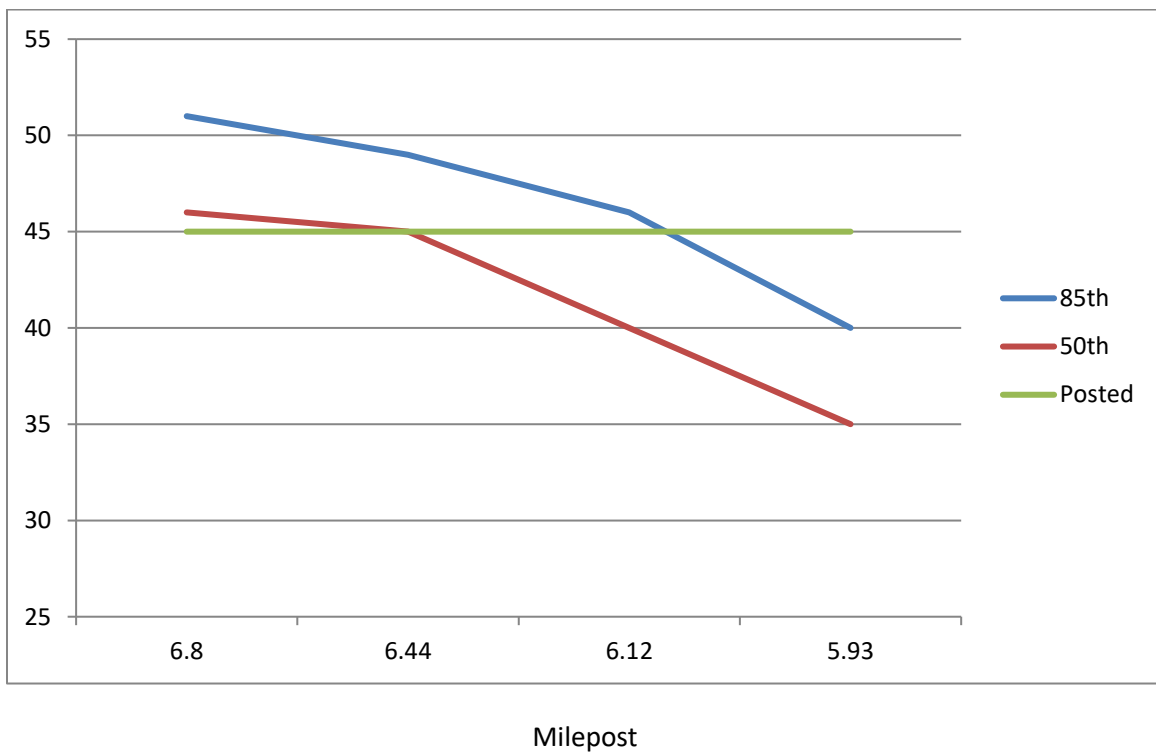
Location 4:		Westbound	Eastbound
RM 6.80 (near Old Pass Road)	POSTED SPEED	45	45
	85 <sup>th</sup> % SPEED	51	51
	50 <sup>th</sup> % SPEED	46	44
	10 MPH PACE	42 – 51	41 -50
	% COMPLIANCE	33	46

For the section of roadway near Old Pass Road, as shown in the table for Location #4 above, the 85<sup>th</sup>-percentile speeds were 6 mph above, and the upper limit of the pace was 6 mph above to 5 mph above the posted speed limit of 45-mph. The speed data

collected in this area indicates that motorists are adjusting their speeds for the roadway environment, as indicated by the 85<sup>th</sup>-percentile speed being 51 mph, and the pace being 42 - 51 mph and 41 - 50 mph, westbound and eastbound respectively. Based on a review of the area, the roadway environment is rural. Based on the speed data, speed profile, speed compliance, and roadway environment in the area, the recommended speed limit from the speed study worksheets should remain unchanged

The speed profile graph (**Exhibit 3**) plots the 85<sup>th</sup>-percentile and 50<sup>th</sup>-percentile speed data. In addition, Behavioral Speed Data can be found in **Appendix D**. The data generally indicates that excessive speeding is relatively low with 30 % to 40% above the posted speed limit of 45mph. The speed distribution of all motorists placed 35mph at approximately the 25<sup>th</sup>-percentile.

**EXHIBIT 3 - Percentile Speed Profile (MPH)**



## Conclusion

As indicated by the speed data, it appears motorists are adjusting their speeds based on the surrounding roadway environment and conditions.

Pedestrian crossing activities are non-existent in this area.

## Recommendations

In response to the written request, based on the review of speed data collected and surrounding environment a speed transition may be considered.

40 mph, RM 6.12 to RM 5.93  
(between Cameron Road and Fall Creek Road)

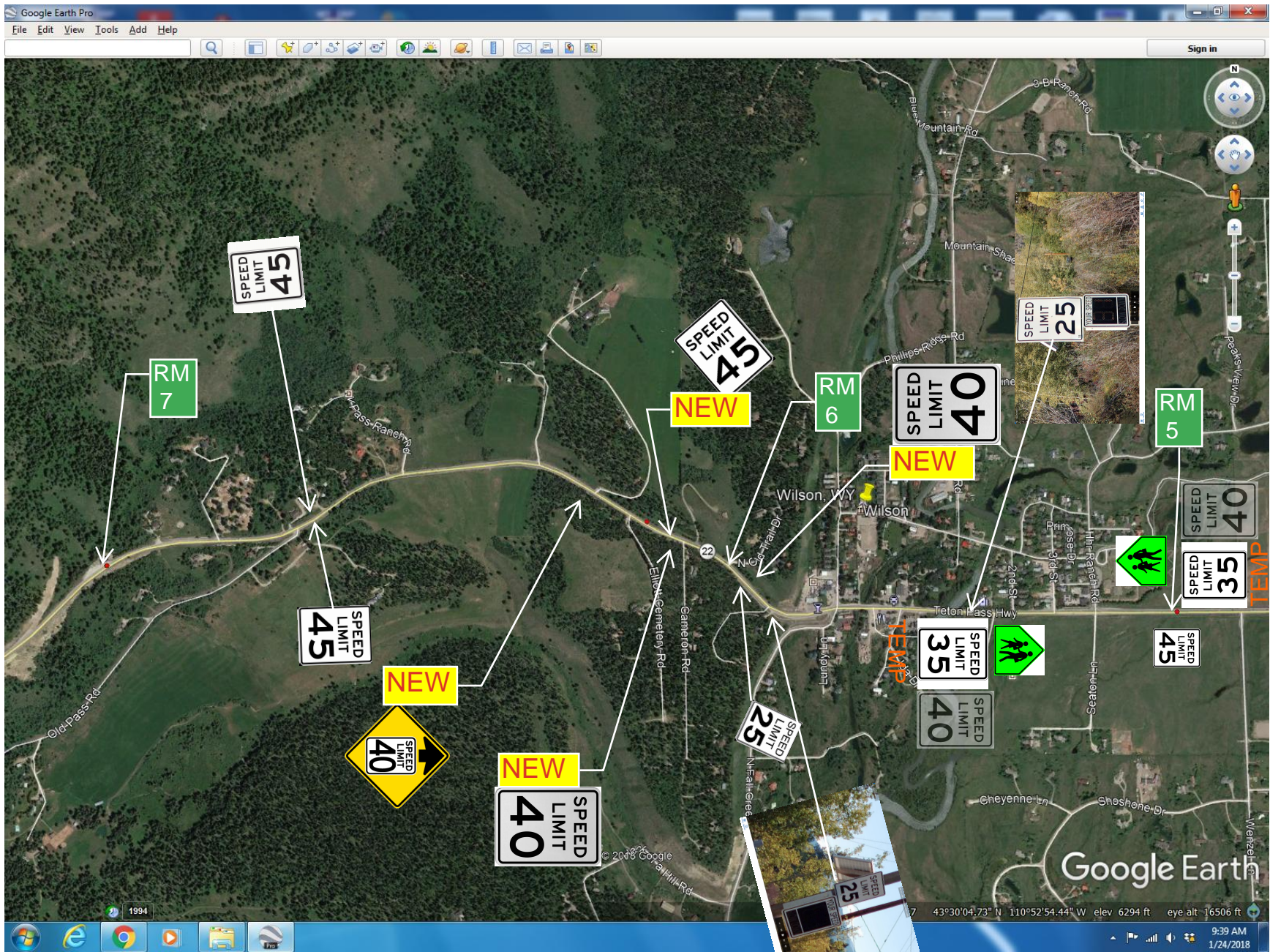
The proposed speed limit is shown in **Exhibit 4**.

## USLIMITS2 Comparison

The Engineering Approach recommendation above was compared against the USLIMITS2 (Expert System) Approach. The Expert System model uses a decision algorithm to advise the user of the posted speed limit for the specific road section. In other words, the Expert System uses many of the same inputs as the Engineering Approach, minus engineering judgment. The Expert System was used to validate the recommended posted speed limit above. Based on the USLIMITS2 Speed Zoning Reports (**Appendix E**) the suggested posted speed limit should be set higher than the recommendation mentioned above. Therefore, the Engineering Approach recommendation is favored.

Other items may be considered to create a sense of arrival and motorists' compliance, such as an increase in roadside friction through roadside landscaping and gateway features as identified in Teton County's Wilson Multi-Modal Transportation Study and commitment from local law enforcement.

# EXHIBIT 4 - Proposed Conditions



**APPENDIX A**

**CORRESPONDENCE**



Mark Newcomb, Chairman  
Wes Gardner, Vice Chair  
Natalia D. Macker  
Luther Propst  
Len Carlman

March 17, 2026

John Eddins, P.E., District 3 Engineer  
Wyoming Department of Transportation  
3200 Elk Street  
Rock Springs, WY 82901

Re: Step-Down Speed Limit Request west of Wilson, Wyoming

Dear Mr. Eddins,

The Teton County Board of County Commissioners and the Teton County Sheriff respectfully request that WYDOT study and modify WY-22 speed limits coming into the town of Wilson from Teton Pass. We recommend adding a step-down speed limit in the transition zone that would go from 45 mph, then to 35 mph, and then to 25 mph in the town of Wilson, ideally shifting the start of the 25 mph zone several hundred feet west of the current location. Should it be necessary to conduct additional speed limit studies, we further request that those be undertaken this spring, 2026.

This segment presents challenging operating conditions, including a sustained downhill grade as vehicles descend from the Pass toward Wilson. As drivers transition from a steep mountain corridor to a community environment, the Board believes a step-down speed zone may help alert travelers to their approach to a populated area and encourage drivers to adjust their operating behavior accordingly.

A traditional engineering analysis may indicate an 85th percentile speed above the currently posted 45 mph. However, the purpose of this request is not solely to evaluate the existing operating speed, but to better understand which tools or countermeasures could support a step-down speed transition, such as that depicted in Figure 1, that would improve safety as vehicles approach Wilson. Signage alerts drivers descending the pass to operate in lower gears. The Board and the County Sheriff support using the flexibility provided, and good engineering judgment, to support a step-down speed transition to improve highway safety as vehicles approach Wilson.

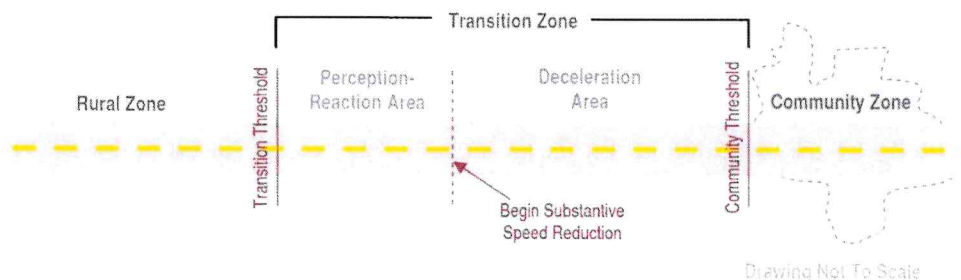


Figure 1. Example Speed Transition Zone from NCHRP Report 737: Design Guidance for High-Speed to Low-speed Transition Zones for Rural Highways



Mark Newcomb, Chairman  
Wes Gardner, Vice Chair  
Natalia D. Macker  
Luther Propst  
Len Carlman

Federal guidance recognizes that speed limits should be established through engineering studies that consider roadway context, infrastructure conditions, and surrounding land use, rather than relying solely on the 85th percentile speed. The FHWA guidance<sup>1</sup> on 'Setting Transition Zones' notes that engineering judgment may be used to adjust base speeds to reflect conditions such as pedestrian activity, roadway geometry, and changes in the surrounding environment. In addition, FHWA tools such as USLIMITS2 and Safe System approaches recognize that speed management may consider metrics beyond the 85th percentile, including the median speed and the presence of vulnerable road users.

The Board also encourages WYDOT to consider guidance from NCHRP Report 737, *Design Guidance for High-Speed to Low-speed Transition Zones for Rural Highways*, which identifies the importance of designing transition zones, including the perception area and deceleration area, where drivers recognize changing roadway conditions and safely reduce speed. In the case of the approach to Wilson, these areas may warrant careful evaluation to determine whether physical roadway and roadside features, visual cues, or operational treatments could better signal the transition from a 45-mph mountain corridor to a community setting. A sample diagram for appropriate step-down locations is provided in Figure 2.



Figure 2. WY22 Step-Down Speed Proposal

Accordingly, the Board respectfully asks that the study consider not only the 85th percentile operating speed, but also contextual and operational factors that influence driver expectations and safe speeds, including:

<sup>1</sup> Federal Highway Administration. (n.d.). 4. *Setting Transition Zones*. U.S. Department of Transportation. <https://highways.dot.gov/safety/speed-management/speed-management-primer-rural-transition-zones-and-town-centers/4-setting>



BOARD OF COMMISSIONERS

Mark Newcomb, Chairman  
Wes Gardner, Vice Chair  
Natalia D. Macker  
Luther Propst  
Len Carlman

- The transition from a steep mountain corridor to the community setting of Wilson and the relatively flat valley floor;
- The sustained downhill grade and braking conditions experienced by vehicles descending Teton Pass;
- Whether roadway geometry or surrounding land use changes in ways that may not align with driver expectations, such as entering a developed area;
- Whether motorists are provided with sufficient cues<sup>2</sup> and countermeasures to recognize the changing environment, including gateway treatments, signage, pavement markings, rumble strips, speed feedback signs, or other physical measures;
- Opportunities to design and reinforce the perception and deceleration areas associated with a step-down speed transition; and
- Opportunities to improve safety as drivers approach Wilson and areas with increased pedestrian activity.

To support coordination with upcoming construction activities in downtown Wilson, the Board respectfully requests that relevant data collection be completed by May 1, with recommendations regarding potential countermeasures developed shortly thereafter.

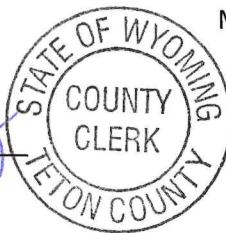
We appreciate WYDOT's partnership and look forward to working together to evaluate practical measures that can improve safety for residents and travelers entering the Wilson area.

Sincerely,

  
\_\_\_\_\_  
Mark Newcomb, Chair

  
\_\_\_\_\_  
Matt Carr, Teton County Sheriff

  
\_\_\_\_\_  
Maureen Murphy, Clerk Attest



<sup>2</sup> Federal Highway Administration. (n.d.). *Implementing countermeasures*. U.S. Department of Transportation. <https://highways.dot.gov/safety/local-rural/speed-management-manual-local-rural-road-owners/4-implementing-countermeasures>

**APPENDIX B**

**CRASH DATA**



# WYOMING Department of Transportation

## Highway Safety Segment Crash History Report

Roadway Name:

County:TETON

City:

Note: This report was created from data extracted from multiple sources, which are considered to be reliable and up-to-date. However, some of the data sets are known to have some issues (these are consistency and location concerns with the signs focus in the location and nature of safety issues along the study segment). It is expected that on-site validation would be performed before any investment decisions are made.

### Highway Safety Segment Crash History Report

Developed for Wyoming Department of Transportation



Start Year: 2020

End Year: 2024

DATE	STATE NO.	MILEPOST	INJURY	FATALITY	MANNER	LIGHT	FHE	LOCATION	SEVERITY
17 August 2020	202008459	5.8254	0	0	null	Daylight	Deer	On Roadway	PDO
02 June 2022	202205944	5.8443	0	0	null	Darkness	Deer	On Roadway	PDO
29 July 2022	202209415	5.8707	0	0	Not Collision	Daylight	Cargo/Equ Shift	On Roadway	PDO
06 July 2021	202107639	5.9156	0	0	Sideswipe Opp.	Daylight	Veh. on road	On Roadway	PDO
27 November 2023	202315058	5.9597	0	0	null	Darkness	Elk	On Roadway	PDO
07 September 2023	202310524	5.9824	0	0	Rear End	Daylight	Veh. on road	On Roadway	PDO
24 May 2020	202005142	5.9856	0	0	null	Darkness	Moose	On Roadway	PDO
12 August 2023	202309667	5.9996	0	0	null	Daylight	Deer	On Roadway	PDO
14 April 2022	202205546	6.2666	4	0	Sideswipe Opp.	Darkness	Veh. on road	On Roadway	INJURY
30 May 2021	202106724	6.303	1	0	Rear End	Daylight	Veh. on road	On Roadway	INJURY

LRS Route:ML2000I

From RM:5.7

To RM:6.8



# Highway Safety Segment Crash History Report



Start Year: 2020

End Year: 2024

<u>DATE</u>	<u>STATE NO.</u>	<u>MILEPOST</u>	<u>INJURY</u>	<u>FATALITY</u>	<u>MANNER</u>	<u>LIGHT</u>	<u>FHE</u>	<u>LOCATION</u>	<u>SEVERITY</u>
14 August 2024	202409109	6.3921	4	1	Sideswipe Opp.	Daylight	Veh. on road	On Roadway	FATAL
13 May 2022	202205247	6.4169	0	0	Rear End	Daylight	Veh. on road	On Roadway	PDO
01 May 2022	202204725	6.4422	0	0	Angle Opp. Dir	Daylight	Veh. on road	On Roadway	PDO
20 July 2020	202007295	6.4476	0	0	null	Darkness	Deer	On Roadway	PDO
17 June 2023	202307264	6.4526	0	0	null	Darkness	Deer	On Roadway	PDO
26 October 2024	202411511	6.5105	1	0	Not Collision	Daylight	Rollover	Off Roadway	MINOR INJURY
18 November 2024	202412949	6.6153	0	0	Sideswipe Same	Darkness	Veh. on road	On Roadway	PDO
31 December 2020	202015064	6.6437	0	0	Rear End	Daylight	Veh. on road	On Roadway	PDO
28 January 2020	202001391	6.645	1	0	Not Collision	Daylight	Snow bank	Off Roadway	INJURY
07 July 2024	202413645	6.7049	0	0	null	Daylight	Deer	On Roadway	PDO
26 February 2022	202205466	6.7308	0	0	Not Collision	Darkness	Rollover	Off Roadway	PDO
18 November 2024	202412396	6.7447	0	0	Head On	Daylight	Veh. on road	On Roadway	PDO
18 November 2024	202412395	6.7594	0	0	Angle Opp. Dir	Daylight	Veh. on road	On Roadway	PDO
18 November 2024	202412397	6.7674	0	0	Backing	Daylight	Veh. on road	On Roadway	PDO
02 July 2020	202006758	6.79	0	0	Rear End	Daylight	Veh. on road	On Roadway	PDO



**APPENDIX C**

**SPOT SPEED DATA**



# Wyoming Department of Transportation

3200 Elk Street  
Rock Springs, WY 82901

## Speed Study

CITY: WILSON  
COUNTY: TETON  
ROUTE: WY 22  
LOCATION: 5.93LT  
SPEED LIMIT: 25

Start Date: 3/18/2026  
End Date: 3/18/2026  
STUDY BY: Ty J.

Direction: Eastbound, Lane 1

3/18/2026	0 - 15	> 15 -	> 20 -	> 25 -	> 30 -	> 35 -	> 40 -	> 45 -	> 50 -	> 55 -	> 60 -	> 65 -	> 70	Total
Time	MPH	20 MPH	25 MPH	30 MPH	35 MPH	40 MPH	45 MPH	50 MPH	55 MPH	60 MPH	65 MPH	70 MPH	MPH	
12:00 AM	0	0	0	0	0	0	1	0	0	0	0	0	0	1
1:00	0	0	0	1	0	0	0	0	0	0	0	0	0	1
2:00	0	0	0	2	1	1	0	0	0	0	0	0	0	4
3:00	0	0	1	4	1	1	1	0	0	0	0	0	0	8
4:00	0	0	0	4	3	4	3	0	0	0	0	0	0	14
5:00	0	0	1	10	27	20	3	0	0	0	0	0	0	61
6:00	0	0	9	30	58	37	5	0	0	0	0	0	0	139
7:00	9	1	6	33	47	35	3	0	0	0	0	0	0	134
8:00	0	1	6	35	50	43	5	0	0	0	0	0	0	140
9:00	0	0	5	19	50	33	4	2	1	0	0	0	0	114
10:00	0	1	4	19	42	30	6	2	0	0	0	0	0	104
11:00	0	1	6	23	36	27	5	0	0	0	0	0	0	98
12:00 PM	0	0	5	24	26	24	7	3	0	0	0	0	0	89
1:00	0	0	4	20	30	25	2	2	0	0	0	0	0	83
2:00	0	0	2	13	37	25	10	0	0	0	0	0	0	87
3:00	0	0	5	23	29	20	3	0	0	0	0	0	0	80
4:00	0	0	2	14	31	26	10	1	0	0	0	0	0	84
5:00	0	0	4	12	29	27	3	1	0	0	0	0	0	76
6:00	0	0	3	12	30	22	9	0	0	0	0	0	0	76
7:00	0	0	6	22	18	10	2	0	0	0	0	0	0	58
8:00	0	0	6	13	26	7	1	0	0	0	0	0	0	53
9:00	0	0	3	10	9	10	1	1	0	0	0	0	0	34
10:00	0	0	6	10	7	8	1	2	0	0	0	0	0	34
11:00	0	0	0	3	4	2	1	0	0	0	0	0	0	10
Total	9	4	84	356	591	437	86	14	1	0	0	0	0	1582
Grand Total	9	4	84	356	591	437	86	14	1	0	0	0	0	1582

Stats	Percentile	15th	50th	85th	95th
Speed		27	32	37	40
Mean Speed (Average)		33.2			
10 MPH Pace Speed		31-40			
Number in Pace		1022			
Percent in Pace		65.0%			
Number > 25 MPH		1485			
Percent > 25 MPH		93.9%			



# Wyoming Department of Transportation

3200 Elk Street  
Rock Springs, WY 82901

## Speed Study

**CITY:** WILSON  
**COUNTY:** TETON  
**ROUTE:** WY 22  
**LOCATION:** 5.93LT  
**SPEED LIMIT:** 25

**Start Date:** 3/17/2026  
**End Date:** 3/19/2026  
**STUDY BY:** Ty J.

### Volume Sorted by Speed for 3/18/2026 to 3/18/2026

Eastbound, Lane 1

Speed (MPH)	Volume
7	8
8	5
9	12
10	4
11	19
12	5
13	1
14	6
15	0
16	5
17	1
18	0
19	6
20	9
21	12
22	20
23	23
24	120
25	105
26	97
27	139
28	101
29	293
30	387
31	206
32	468
33	218
34	485
35	432
36	182
37	311
38	82
39	148
40	82
41	41
42	42
43	28
44	11
45	9
46	3
47	11
48	0
49	1
50	3
51	0
52	1
53	0
54	0
55	0
56	0
57	0



# Wyoming Department of Transportation

3200 Elk Street  
Rock Springs, WY 82901

## Speed Study

CITY: WILSON  
COUNTY: TETON  
ROUTE: WY 22  
LOCATION: 5.93LT  
SPEED LIMIT: 25

Start Date: 3/18/2026  
End Date: 3/18/2026  
STUDY BY: Ty J.

Direction: Westbound, Lane 2

3/18/2026	0 - 15	> 15 -	> 20 -	> 25 -	> 30 -	> 35 -	> 40 -	> 45 -	> 50 -	> 55 -	> 60 -	> 65 -	> 70	Total
Time	MPH	20 MPH	25 MPH	30 MPH	35 MPH	40 MPH	45 MPH	50 MPH	55 MPH	60 MPH	65 MPH	70 MPH	MPH	
12:00 AM	0	0	0	2	3	8	2	1	0	0	0	0	0	16
1:00	0	0	0	0	2	6	0	0	0	0	0	0	0	8
2:00	0	0	0	0	0	3	0	0	0	0	0	0	0	3
3:00	0	0	0	0	0	2	0	0	0	0	0	0	0	2
4:00	0	0	0	0	1	1	1	1	0	1	0	0	0	5
5:00	0	0	0	0	2	2	1	0	0	0	0	0	0	5
6:00	0	0	1	3	5	17	2	0	0	0	0	0	0	28
7:00	0	1	1	3	23	32	11	3	0	0	0	0	0	74
8:00	0	0	0	0	20	41	32	3	1	0	0	0	0	97
9:00	0	0	0	6	23	37	32	8	0	0	0	0	0	106
10:00	0	0	0	2	23	48	30	6	2	0	0	0	0	111
11:00	0	0	0	2	22	60	30	4	2	0	0	0	0	120
12:00 PM	0	0	0	4	23	61	36	6	0	0	0	0	0	130
1:00	0	0	0	7	31	77	32	8	0	0	0	1	0	156
2:00	0	0	1	0	33	71	50	11	0	0	0	0	0	166
3:00	0	0	1	6	37	89	50	6	2	1	0	0	0	192
4:00	0	0	0	7	41	80	62	8	1	0	0	0	0	199
5:00	0	0	0	2	41	100	47	6	0	0	0	0	0	196
6:00	0	0	0	4	39	83	50	10	1	0	0	0	0	187
7:00	0	0	0	2	36	79	30	4	0	0	0	0	0	151
8:00	0	0	0	0	35	33	15	3	0	0	0	0	0	86
9:00	0	0	0	1	35	47	21	5	0	0	0	0	0	109
10:00	0	0	1	3	15	25	18	4	1	0	0	0	0	67
11:00	0	0	0	2	3	11	7	1	0	0	0	0	0	24
Total	0	1	5	56	493	1013	559	98	10	2	0	1	0	2238
Grand Total	0	1	5	56	493	1013	559	98	10	2	0	1	0	2238

Stats	Percentile	15th	50th	85th	95th
Speed		33	37	41	44
Mean Speed (Average)		38.4			
10 MPH Pace Speed		36-45			
Number in Pace		1554			
Percent in Pace		70.0%			
Number > 25 MPH		2232			
Percent > 25 MPH		99.7%			



# Wyoming Department of Transportation

3200 Elk Street  
Rock Springs, WY 82901

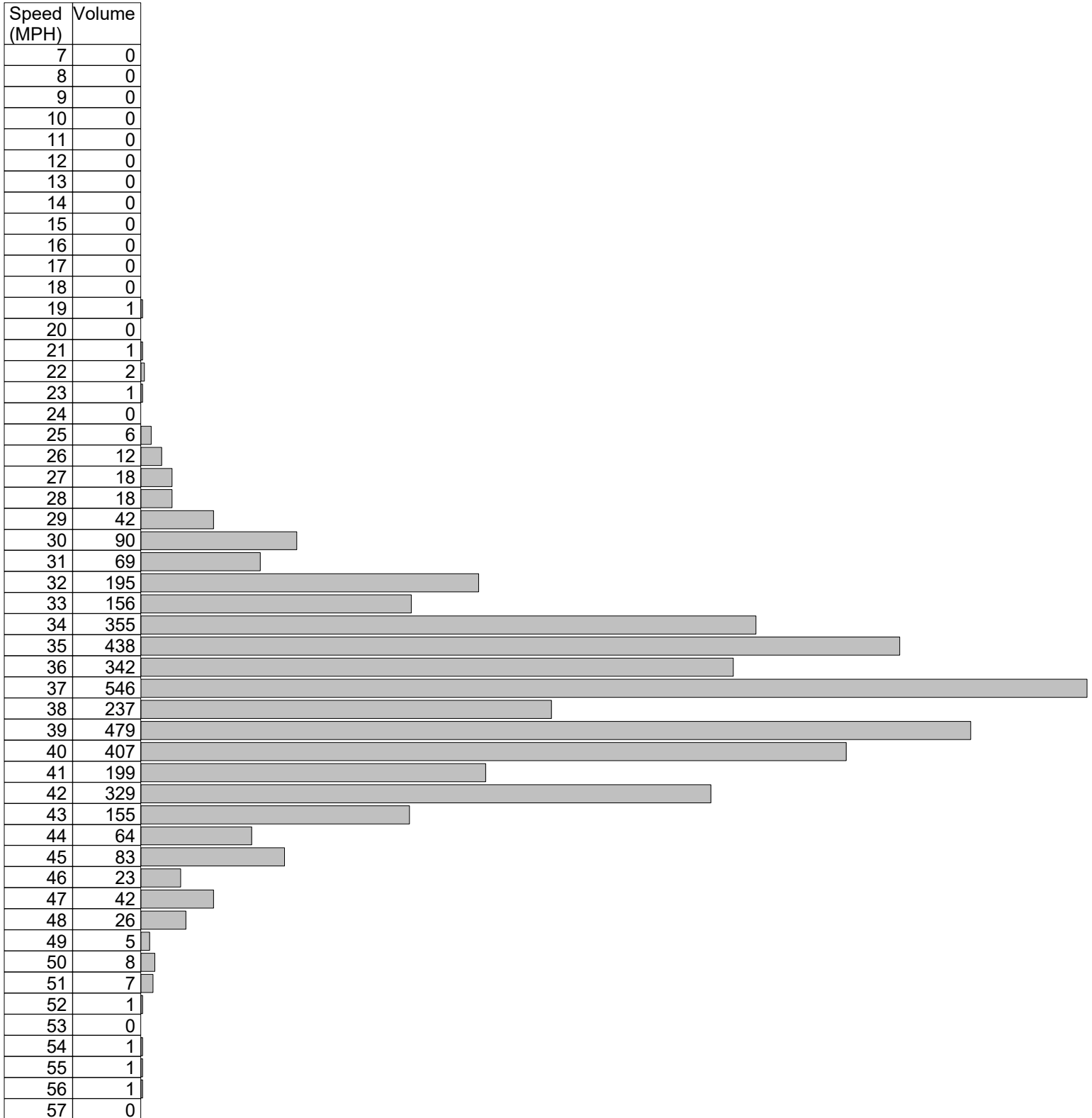
## Speed Study

**CITY:** WILSON  
**COUNTY:** TETON  
**ROUTE:** WY 22  
**LOCATION:** 5.93LT  
**SPEED LIMIT:** 25

**Start Date:** 3/17/2026  
**End Date:** 3/19/2026  
**STUDY BY:** Ty J.

### Volume Sorted by Speed for 3/18/2026 to 3/18/2026

Westbound, Lane 2





# Wyoming Department of Transportation

3200 Elk Street  
 Rock Springs, WY 82901  
**Speed Study**

CITY: WILSON  
 COUNTY: TETON  
 ROUTE: WY 22  
 LOCATION: 5.93LT  
 SPEED LIMIT: 25  
 Direction: Combined

Start Date: 3/18/2026  
 End Date: 3/18/2026  
 STUDY BY: Ty J.

3/18/2026	0 - 15	> 15 -	> 20 -	> 25 -	> 30 -	> 35 -	> 40 -	> 45 -	> 50 -	> 55 -	> 60 -	> 65 -	> 70	Total
Time	MPH	20 MPH	25 MPH	30 MPH	35 MPH	40 MPH	45 MPH	50 MPH	55 MPH	60 MPH	65 MPH	70 MPH	MPH	
12:00 AM	0	0	0	2	3	8	3	1	0	0	0	0	0	17
1:00	0	0	0	1	2	6	0	0	0	0	0	0	0	9
2:00	0	0	0	2	1	4	0	0	0	0	0	0	0	7
3:00	0	0	1	4	1	3	1	0	0	0	0	0	0	10
4:00	0	0	0	4	4	5	4	1	0	1	0	0	0	19
5:00	0	0	1	10	29	22	4	0	0	0	0	0	0	66
6:00	0	0	10	33	63	54	7	0	0	0	0	0	0	167
7:00	9	2	7	36	70	67	14	3	0	0	0	0	0	208
8:00	0	1	6	35	70	84	37	3	1	0	0	0	0	237
9:00	0	0	5	25	73	70	36	10	1	0	0	0	0	220
10:00	0	1	4	21	65	78	36	8	2	0	0	0	0	215
11:00	0	1	6	25	58	87	35	4	2	0	0	0	0	218
12:00 PM	0	0	5	28	49	85	43	9	0	0	0	0	0	219
1:00	0	0	4	27	61	102	34	10	0	0	0	1	0	239
2:00	0	0	3	13	70	96	60	11	0	0	0	0	0	253
3:00	0	0	6	29	66	109	53	6	2	1	0	0	0	272
4:00	0	0	2	21	72	106	72	9	1	0	0	0	0	283
5:00	0	0	4	14	70	127	50	7	0	0	0	0	0	272
6:00	0	0	3	16	69	105	59	10	1	0	0	0	0	263
7:00	0	0	6	24	54	89	32	4	0	0	0	0	0	209
8:00	0	0	6	13	61	40	16	3	0	0	0	0	0	139
9:00	0	0	3	11	44	57	22	6	0	0	0	0	0	143
10:00	0	0	7	13	22	33	19	6	1	0	0	0	0	101
11:00	0	0	0	5	7	13	8	1	0	0	0	0	0	34
Total	9	5	89	412	1084	1450	645	112	11	2	0	1	0	3820
Grand Total	9	5	89	412	1084	1450	645	112	11	2	0	1	0	3820

Stats	Percentile	15th	50th	85th	95th
Speed		29	35	40	43
Mean Speed (Average)		36.2			
10 MPH Pace Speed		31-40			
Number in Pace		2514			
Percent in Pace		66.0%			
Number > 25 MPH		3717			
Percent > 25 MPH		97.3%			



# Wyoming Department of Transportation

3200 Elk Street  
Rock Springs, WY 82901

## Speed Study

**CITY:** WILSON  
**COUNTY:** TETON  
**ROUTE:** WY 22  
**LOCATION:** 5.93LT  
**SPEED LIMIT:** 25

**Start Date:** 3/17/2026  
**End Date:** 3/19/2026  
**STUDY BY:** Ty J.

### Volume Sorted by Speed for 3/18/2026 to 3/18/2026

Combined

Speed (MPH)	Volume
7	8
8	5
9	12
10	4
11	19
12	5
13	1
14	6
15	0
16	5
17	1
18	0
19	7
20	9
21	13
22	22
23	24
24	120
25	111
26	109
27	157
28	119
29	335
30	477
31	275
32	663
33	374
34	840
35	870
36	524
37	857
38	319
39	627
40	489
41	240
42	371
43	183
44	75
45	92
46	26
47	53
48	26
49	6
50	11
51	7
52	2
53	0
54	1
55	1
56	1
57	0



# Wyoming Department of Transportation

3200 Elk Street  
Rock Springs, WY 82901

## Speed Study

CITY: WILSON  
COUNTY: TETON  
ROUTE: WY 22  
LOCATION: 6.12LT  
SPEED LIMIT: 45

Start Date: 3/18/2026  
End Date: 3/18/2026  
STUDY BY: Ty J.

Direction: Eastbound, Lane 1

3/18/2026	0 - 15	> 15 -	> 20 -	> 25 -	> 30 -	> 35 -	> 40 -	> 45 -	> 50 -	> 55 -	> 60 -	> 65 -	> 70	Total
Time	MPH	20 MPH	25 MPH	30 MPH	35 MPH	40 MPH	45 MPH	50 MPH	55 MPH	60 MPH	65 MPH	70 MPH	MPH	
12:00 AM	0	0	0	0	0	0	0	1	0	0	0	0	0	1
1:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2:00	0	0	0	0	0	2	3	0	0	0	0	0	0	5
3:00	0	0	0	1	1	1	2	1	0	0	0	0	0	6
4:00	0	0	0	1	2	3	5	1	1	0	0	0	0	13
5:00	0	0	0	0	6	14	31	10	1	1	0	0	0	63
6:00	0	0	0	5	21	47	44	10	1	0	0	0	0	128
7:00	0	0	2	23	50	41	31	2	0	0	0	0	0	149
8:00	1	0	0	9	28	54	37	7	1	0	0	0	0	137
9:00	0	0	0	7	19	39	25	13	1	1	0	0	0	105
10:00	0	0	0	1	18	32	24	18	4	0	0	0	0	97
11:00	0	0	0	6	14	30	23	8	1	1	0	0	0	83
12:00 PM	0	1	1	7	19	31	20	14	1	0	0	0	0	94
1:00	0	1	1	5	11	27	22	4	0	3	0	0	0	74
2:00	0	0	0	5	10	22	21	16	3	0	0	0	0	77
3:00	1	0	0	3	16	20	24	5	3	0	0	0	0	72
4:00	0	0	0	3	19	21	19	10	3	0	0	0	0	75
5:00	0	0	0	3	13	31	21	6	1	0	0	0	0	75
6:00	0	0	2	4	10	25	18	7	3	0	0	0	0	69
7:00	0	0	1	6	11	26	13	4	0	0	0	0	0	61
8:00	0	0	1	2	12	20	11	7	0	0	0	0	0	53
9:00	0	0	0	3	5	11	9	3	1	0	0	0	0	32
10:00	0	0	0	3	6	9	4	6	0	0	0	0	0	28
11:00	0	0	1	1	0	4	3	1	0	0	0	0	0	10
Total	2	2	9	98	291	510	410	154	25	6	0	0	0	1507
Grand Total	2	2	9	98	291	510	410	154	25	6	0	0	0	1507

Stats	Percentile	15th	50th	85th	95th
Speed		32	38	43	47
Mean Speed (Average)		38.9			
10 MPH Pace Speed		36-45			
Number in Pace		913			
Percent in Pace		61.0%			
Number > 45 MPH		185			
Percent > 45 MPH		12.3%			



# Wyoming Department of Transportation

3200 Elk Street  
Rock Springs, WY 82901

## Speed Study

**CITY:** WILSON  
**COUNTY:** TETON  
**ROUTE:** WY 22  
**LOCATION:** 6.12LT  
**SPEED LIMIT:** 45

**Start Date:** 3/17/2026  
**End Date:** 3/19/2026  
**STUDY BY:** Ty J.

### Volume Sorted by Speed for 3/18/2026 to 3/18/2026

Eastbound, Lane 1

Speed (MPH)	Volume
15	1
16	0
17	0
18	1
19	5
20	1
21	6
22	3
23	5
24	31
25	37
26	24
27	70
28	33
29	126
30	171
31	79
32	215
33	111
34	288
35	360
36	197
37	341
38	139
39	357
40	297
41	142
42	280
43	174
44	57
45	136
46	45
47	76
48	57
49	23
50	17
51	11
52	5
53	5
54	0
55	7
56	3
57	0
58	2
59	0
60	0
61	0
62	0
63	0
64	0
65	0



# Wyoming Department of Transportation

3200 Elk Street  
Rock Springs, WY 82901

## Speed Study

CITY: WILSON  
COUNTY: TETON  
ROUTE: WY 22  
LOCATION: 6.12LT  
SPEED LIMIT: 45

Start Date: 3/18/2026  
End Date: 3/18/2026  
STUDY BY: Ty J.

Direction: Westbound, Lane 2

3/18/2026	0 - 15	> 15 -	> 20 -	> 25 -	> 30 -	> 35 -	> 40 -	> 45 -	> 50 -	> 55 -	> 60 -	> 65 -	> 70	Total
Time	MPH	20 MPH	25 MPH	30 MPH	35 MPH	40 MPH	45 MPH	50 MPH	55 MPH	60 MPH	65 MPH	70 MPH	MPH	
12:00 AM	0	0	0	1	1	2	6	4	3	0	0	0	0	17
1:00	0	0	0	0	1	1	1	2	2	0	0	0	0	7
2:00	0	0	0	1	0	1	0	1	0	0	0	0	0	3
3:00	0	0	0	0	0	0	1	1	0	0	0	0	0	2
4:00	0	0	0	0	0	0	1	0	0	1	0	0	0	2
5:00	0	0	0	0	1	1	2	1	0	0	0	0	0	5
6:00	0	0	0	2	4	7	10	4	1	0	0	0	0	28
7:00	0	0	0	2	8	21	26	12	2	2	0	0	0	73
8:00	0	0	0	0	5	18	41	20	10	0	0	0	0	94
9:00	0	0	1	2	9	19	27	18	12	3	1	0	0	92
10:00	0	0	0	0	4	25	28	24	5	3	0	0	0	89
11:00	0	0	0	2	4	33	28	27	12	1	0	0	0	107
12:00 PM	0	0	0	2	6	16	37	28	11	3	0	0	0	103
1:00	0	0	0	0	10	36	49	37	10	1	1	0	0	144
2:00	0	0	0	1	6	27	55	48	14	5	0	0	0	156
3:00	0	0	1	6	10	28	55	46	13	3	0	0	0	162
4:00	0	0	0	1	6	39	65	60	17	0	0	0	0	188
5:00	0	0	1	1	5	45	78	56	18	2	0	0	0	206
6:00	0	0	1	2	6	50	59	55	10	6	0	0	0	189
7:00	0	0	1	0	13	40	60	28	6	1	0	0	0	149
8:00	0	0	0	1	7	21	32	15	9	2	0	0	0	87
9:00	0	0	0	2	7	24	48	18	6	3	0	0	0	108
10:00	0	1	0	0	4	20	21	14	7	1	0	0	0	68
11:00	0	0	0	0	2	7	7	7	2	0	0	0	0	25
Total	0	1	5	26	119	481	737	526	170	37	2	0	0	2104
Grand Total	0	1	5	26	119	481	737	526	170	37	2	0	0	2104

Stats	Percentile	15th	50th	85th	95th
	Speed	36	42	47	51
Mean Speed (Average)		43.3			
10 MPH Pace Speed		40-49			
Number in Pace		1255			
Percent in Pace		60.0%			
Number > 45 MPH		735			
Percent > 45 MPH		34.9%			



# Wyoming Department of Transportation

3200 Elk Street  
Rock Springs, WY 82901

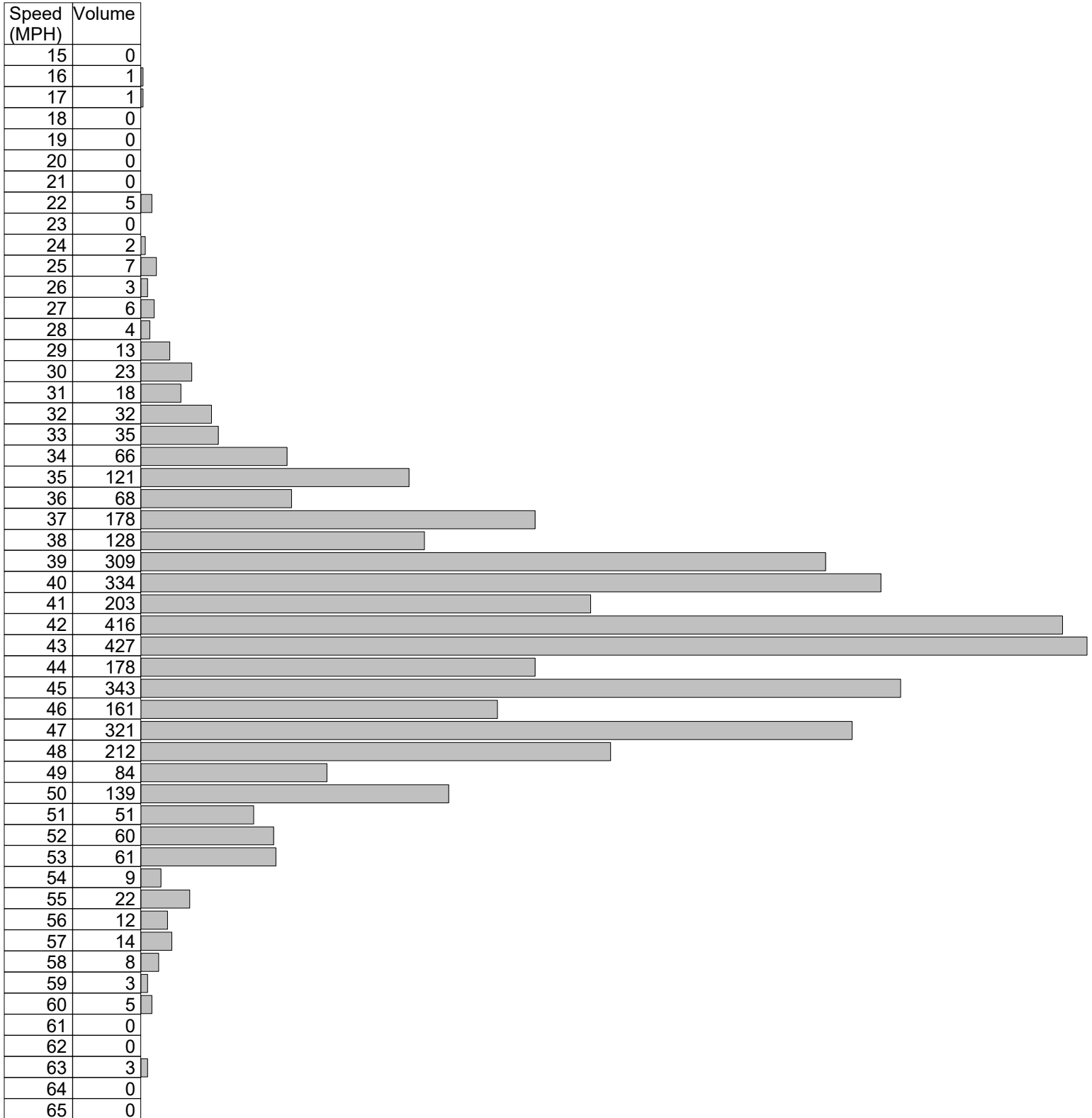
## Speed Study

**CITY:** WILSON  
**COUNTY:** TETON  
**ROUTE:** WY 22  
**LOCATION:** 6.12LT  
**SPEED LIMIT:** 45

**Start Date:** 3/17/2026  
**End Date:** 3/19/2026  
**STUDY BY:** Ty J.

### Volume Sorted by Speed for 3/18/2026 to 3/18/2026

Westbound, Lane 2





# Wyoming Department of Transportation

3200 Elk Street  
Rock Springs, WY 82901

## Speed Study

CITY: WILSON  
COUNTY: TETON  
ROUTE: WY 22  
LOCATION: 6.12LT  
SPEED LIMIT: 45  
Direction: Combined

Start Date: 3/18/2026  
End Date: 3/18/2026  
STUDY BY: Ty J.

3/18/2026	0 - 15	> 15 -	> 20 -	> 25 -	> 30 -	> 35 -	> 40 -	> 45 -	> 50 -	> 55 -	> 60 -	> 65 -	> 70	Total
Time	MPH	20 MPH	25 MPH	30 MPH	35 MPH	40 MPH	45 MPH	50 MPH	55 MPH	60 MPH	65 MPH	70 MPH	MPH	
12:00 AM	0	0	0	1	1	2	6	5	3	0	0	0	0	18
1:00	0	0	0	0	1	1	1	2	2	0	0	0	0	7
2:00	0	0	0	1	0	3	3	1	0	0	0	0	0	8
3:00	0	0	0	1	1	1	3	2	0	0	0	0	0	8
4:00	0	0	0	1	2	3	6	1	1	1	0	0	0	15
5:00	0	0	0	0	7	15	33	11	1	1	0	0	0	68
6:00	0	0	0	7	25	54	54	14	2	0	0	0	0	156
7:00	0	0	2	25	58	62	57	14	2	2	0	0	0	222
8:00	1	0	0	9	33	72	78	27	11	0	0	0	0	231
9:00	0	0	1	9	28	58	52	31	13	4	1	0	0	197
10:00	0	0	0	1	22	57	52	42	9	3	0	0	0	186
11:00	0	0	0	8	18	63	51	35	13	2	0	0	0	190
12:00 PM	0	1	1	9	25	47	57	42	12	3	0	0	0	197
1:00	0	1	1	5	21	63	71	41	10	4	1	0	0	218
2:00	0	0	0	6	16	49	76	64	17	5	0	0	0	233
3:00	1	0	1	9	26	48	79	51	16	3	0	0	0	234
4:00	0	0	0	4	25	60	84	70	20	0	0	0	0	263
5:00	0	0	1	4	18	76	99	62	19	2	0	0	0	281
6:00	0	0	3	6	16	75	77	62	13	6	0	0	0	258
7:00	0	0	2	6	24	66	73	32	6	1	0	0	0	210
8:00	0	0	1	3	19	41	43	22	9	2	0	0	0	140
9:00	0	0	0	5	12	35	57	21	7	3	0	0	0	140
10:00	0	1	0	3	10	29	25	20	7	1	0	0	0	96
11:00	0	0	1	1	2	11	10	8	2	0	0	0	0	35
Total	2	3	14	124	410	991	1147	680	195	43	2	0	0	3611
Grand Total	2	3	14	124	410	991	1147	680	195	43	2	0	0	3611

Stats	Percentile	15th	50th	85th	95th
Speed		34	40	46	50
Mean Speed (Average)		41.5			
10 MPH Pace Speed		36-45			
Number in Pace		2117			
Percent in Pace		59.0%			
Number > 45 MPH		920			
Percent > 45 MPH		25.5%			



# Wyoming Department of Transportation

3200 Elk Street  
Rock Springs, WY 82901

## Speed Study

**CITY:** WILSON  
**COUNTY:** TETON  
**ROUTE:** WY 22  
**LOCATION:** 6.12LT  
**SPEED LIMIT:** 45

**Start Date:** 3/17/2026  
**End Date:** 3/19/2026  
**STUDY BY:** Ty J.

### Volume Sorted by Speed for 3/18/2026 to 3/18/2026

Combined

Speed (MPH)	Volume
15	1
16	1
17	1
18	1
19	5
20	1
21	6
22	8
23	5
24	33
25	44
26	27
27	76
28	37
29	139
30	194
31	97
32	247
33	146
34	354
35	481
36	265
37	519
38	267
39	666
40	631
41	345
42	696
43	601
44	235
45	479
46	206
47	397
48	269
49	107
50	156
51	62
52	65
53	66
54	9
55	29
56	15
57	14
58	10
59	3
60	5
61	0
62	0
63	3
64	0
65	0



# Wyoming Department of Transportation

3200 Elk Street  
Rock Springs, WY 82901

## Speed Study

CITY: WILSON  
COUNTY: TETON  
ROUTE: WY 22  
LOCATION: 6.44LT  
SPEED LIMIT: 45

Start Date: 3/18/2026  
End Date: 3/18/2026  
STUDY BY: Ty J.

Direction: Eastbound, Lane 1

3/18/2026	0 - 15	> 15 -	> 20 -	> 25 -	> 30 -	> 35 -	> 40 -	> 45 -	> 50 -	> 55 -	> 60 -	> 65 -	> 70	Total
Time	MPH	20 MPH	25 MPH	30 MPH	35 MPH	40 MPH	45 MPH	50 MPH	55 MPH	60 MPH	65 MPH	70 MPH	MPH	
12:00 AM	0	0	0	0	0	0	1	0	0	0	0	0	0	1
1:00	0	0	0	0	0	0	2	0	0	0	0	0	0	2
2:00	0	0	0	0	0	1	1	2	0	0	0	0	0	4
3:00	0	0	0	0	1	2	0	2	3	1	0	0	0	9
4:00	0	0	0	0	1	2	3	7	3	1	0	0	0	17
5:00	0	0	0	0	1	8	27	26	5	6	0	0	0	73
6:00	0	0	0	1	4	25	68	31	7	0	0	0	0	136
7:00	0	0	0	1	14	49	62	11	1	0	0	0	0	138
8:00	0	0	0	0	1	36	64	18	3	0	0	0	0	122
9:00	0	0	0	1	5	16	60	38	4	0	0	0	0	124
10:00	0	0	0	0	2	18	53	39	7	0	0	0	0	119
11:00	0	0	1	1	1	21	49	26	3	1	0	0	0	103
12:00 PM	0	0	0	1	3	19	41	30	7	0	0	0	0	101
1:00	0	0	0	0	2	18	34	28	5	1	0	0	0	88
2:00	0	0	0	0	2	9	33	37	8	0	0	0	0	89
3:00	0	0	0	0	2	10	29	36	8	1	0	0	0	86
4:00	0	0	0	0	2	6	29	32	9	2	0	0	0	80
5:00	0	0	0	0	1	4	27	27	11	1	0	0	0	71
6:00	0	0	0	0	1	9	28	28	5	0	1	0	0	72
7:00	0	0	0	0	2	11	25	20	1	0	0	0	0	59
8:00	0	0	0	1	6	17	28	4	2	0	0	0	0	58
9:00	0	0	0	0	2	13	9	6	1	0	0	0	0	31
10:00	0	0	1	0	1	5	16	5	4	1	0	0	0	33
11:00	0	0	0	0	1	3	4	2	0	0	0	0	0	10
Total	0	0	2	6	55	302	693	455	97	15	1	0	0	1626
Grand Total	0	0	2	6	55	302	693	455	97	15	1	0	0	1626

Stats	Percentile	15th	50th	85th	95th
Speed		38	42	47	50
Mean Speed (Average)		43.8			
10 MPH Pace Speed		41-50			
Number in Pace		1142			
Percent in Pace		71.0%			
Number > 45 MPH		568			
Percent > 45 MPH		34.9%			



# Wyoming Department of Transportation

3200 Elk Street  
Rock Springs, WY 82901

## Speed Study

**CITY:** WILSON  
**COUNTY:** TETON  
**ROUTE:** WY 22  
**LOCATION:** 6.44LT  
**SPEED LIMIT:** 45

**Start Date:** 3/17/2026  
**End Date:** 3/19/2026  
**STUDY BY:** Ty J.

### Volume Sorted by Speed for 3/18/2026 to 3/18/2026

Eastbound, Lane 1

Speed (MPH)	Volume
17	0
18	0
19	0
20	0
21	0
22	2
23	7
24	0
25	12
26	3
27	18
28	2
29	30
30	39
31	19
32	74
33	51
34	104
35	171
36	117
37	280
38	143
39	329
40	355
41	182
42	441
43	439
44	163
45	346
46	130
47	252
48	170
49	57
50	83
51	31
52	32
53	30
54	17
55	14
56	7
57	5
58	2
59	1
60	2
61	0
62	0
63	0
64	0
65	0
66	0
67	0



# Wyoming Department of Transportation

3200 Elk Street  
Rock Springs, WY 82901

## Speed Study

CITY: WILSON  
COUNTY: TETON  
ROUTE: WY 22  
LOCATION: 6.44LT  
SPEED LIMIT: 45

Start Date: 3/18/2026  
End Date: 3/18/2026  
STUDY BY: Ty J.

Direction: Westbound, Lane 2

3/18/2026	0 - 15	> 15 -	> 20 -	> 25 -	> 30 -	> 35 -	> 40 -	> 45 -	> 50 -	> 55 -	> 60 -	> 65 -	> 70	Total
Time	MPH	20 MPH	25 MPH	30 MPH	35 MPH	40 MPH	45 MPH	50 MPH	55 MPH	60 MPH	65 MPH	70 MPH	MPH	
12:00 AM	0	0	0	0	0	2	3	8	2	1	0	0	0	16
1:00	0	0	0	0	0	0	0	4	2	0	1	0	0	7
2:00	0	0	0	0	0	0	1	1	1	0	0	0	0	3
3:00	0	0	0	0	0	0	0	1	1	0	0	0	0	2
4:00	0	0	0	0	0	0	0	1	1	2	0	0	0	4
5:00	0	0	0	0	1	0	0	4	1	0	0	0	0	6
6:00	0	0	0	0	1	4	5	13	8	0	0	0	0	31
7:00	0	0	0	0	1	5	17	34	9	3	0	0	0	69
8:00	0	0	0	0	0	0	20	50	26	5	0	0	0	101
9:00	0	0	0	0	2	4	16	36	34	8	1	0	0	101
10:00	0	0	0	0	0	4	16	60	26	4	0	0	0	110
11:00	0	1	1	0	0	4	26	52	24	4	0	0	0	112
12:00 PM	0	0	0	1	0	3	24	66	23	4	1	0	0	122
1:00	0	1	2	0	0	7	32	74	35	1	1	0	0	153
2:00	0	0	0	0	0	3	33	80	34	7	0	0	0	157
3:00	1	0	0	0	0	5	49	80	47	3	1	0	0	186
4:00	0	0	0	0	0	7	46	100	42	8	0	0	0	203
5:00	0	0	0	0	2	6	57	106	37	5	1	0	0	214
6:00	0	0	0	0	0	5	47	96	33	8	0	0	0	189
7:00	0	0	0	0	1	7	30	72	23	7	0	0	0	140
8:00	0	0	0	0	0	3	15	49	17	3	0	0	0	87
9:00	0	0	0	0	0	1	34	47	22	5	1	0	0	110
10:00	0	0	0	0	0	0	16	25	19	5	1	0	0	66
11:00	0	0	0	0	0	0	6	12	6	4	0	0	0	28
Total	1	2	3	1	8	70	493	1071	473	87	8	0	0	2217
Grand Total	1	2	3	1	8	70	493	1071	473	87	8	0	0	2217

Stats	Percentile	15th	50th	85th	95th
	Speed	42	46	51	54
Mean Speed (Average)		47.9			
10 MPH Pace Speed		43-52			
Number in Pace		1563			
Percent in Pace		71.0%			
Number > 45 MPH		1639			
Percent > 45 MPH		73.9%			



# Wyoming Department of Transportation

3200 Elk Street  
Rock Springs, WY 82901

## Speed Study

**CITY:** WILSON  
**COUNTY:** TETON  
**ROUTE:** WY 22  
**LOCATION:** 6.44LT  
**SPEED LIMIT:** 45

**Start Date:** 3/17/2026  
**End Date:** 3/19/2026  
**STUDY BY:** Ty J.

### Volume Sorted by Speed for 3/18/2026 to 3/18/2026

Westbound, Lane 2

Speed (MPH)	Volume
17	1
18	2
19	0
20	1
21	0
22	3
23	0
24	0
25	0
26	0
27	0
28	0
29	1
30	4
31	2
32	7
33	0
34	5
35	15
36	22
37	27
38	27
39	71
40	100
41	100
42	252
43	307
44	183
45	455
46	257
47	688
48	480
49	173
50	361
51	133
52	221
53	186
54	37
55	72
56	25
57	20
58	25
59	5
60	12
61	2
62	1
63	2
64	0
65	1
66	0
67	0



# Wyoming Department of Transportation

3200 Elk Street  
 Rock Springs, WY 82901  
**Speed Study**

CITY: WILSON  
 COUNTY: TETON  
 ROUTE: WY 22  
 LOCATION: 6.44LT  
 SPEED LIMIT: 45  
 Direction: Combined

Start Date: 3/18/2026  
 End Date: 3/18/2026  
 STUDY BY: Ty J.

3/18/2026	0 - 15	> 15 -	> 20 -	> 25 -	> 30 -	> 35 -	> 40 -	> 45 -	> 50 -	> 55 -	> 60 -	> 65 -	> 70	Total
Time	MPH	20 MPH	25 MPH	30 MPH	35 MPH	40 MPH	45 MPH	50 MPH	55 MPH	60 MPH	65 MPH	70 MPH	MPH	
12:00 AM	0	0	0	0	0	2	4	8	2	1	0	0	0	17
1:00	0	0	0	0	0	0	2	4	2	0	1	0	0	9
2:00	0	0	0	0	0	1	2	3	1	0	0	0	0	7
3:00	0	0	0	0	1	2	0	3	4	1	0	0	0	11
4:00	0	0	0	0	1	2	3	8	4	3	0	0	0	21
5:00	0	0	0	0	2	8	27	30	6	6	0	0	0	79
6:00	0	0	0	1	5	29	73	44	15	0	0	0	0	167
7:00	0	0	0	1	15	54	79	45	10	3	0	0	0	207
8:00	0	0	0	0	1	36	84	68	29	5	0	0	0	223
9:00	0	0	0	1	7	20	76	74	38	8	1	0	0	225
10:00	0	0	0	0	2	22	69	99	33	4	0	0	0	229
11:00	0	1	2	1	1	25	75	78	27	5	0	0	0	215
12:00 PM	0	0	0	2	3	22	65	96	30	4	1	0	0	223
1:00	0	1	2	0	2	25	66	102	40	2	1	0	0	241
2:00	0	0	0	0	2	12	66	117	42	7	0	0	0	246
3:00	1	0	0	0	2	15	78	116	55	4	1	0	0	272
4:00	0	0	0	0	2	13	75	132	51	10	0	0	0	283
5:00	0	0	0	0	3	10	84	133	48	6	1	0	0	285
6:00	0	0	0	0	1	14	75	124	38	8	1	0	0	261
7:00	0	0	0	0	3	18	55	92	24	7	0	0	0	199
8:00	0	0	0	1	6	20	43	53	19	3	0	0	0	145
9:00	0	0	0	0	2	14	43	53	23	5	1	0	0	141
10:00	0	0	1	0	1	5	32	30	23	6	1	0	0	99
11:00	0	0	0	0	1	3	10	14	6	4	0	0	0	38
Total	1	2	5	7	63	372	1186	1526	570	102	9	0	0	3843
Grand Total	1	2	5	7	63	372	1186	1526	570	102	9	0	0	3843

Stats	Percentile	15th	50th	85th	95th
Speed		40	45	49	52
Mean Speed (Average)		46.2			
10 MPH Pace Speed		41-50			
Number in Pace		2688			
Percent in Pace		71.0%			
Number > 45 MPH		2207			
Percent > 45 MPH		57.4%			



# Wyoming Department of Transportation

3200 Elk Street  
Rock Springs, WY 82901

## Speed Study

**CITY:** WILSON  
**COUNTY:** TETON  
**ROUTE:** WY 22  
**LOCATION:** 6.44LT  
**SPEED LIMIT:** 45

**Start Date:** 3/17/2026  
**End Date:** 3/19/2026  
**STUDY BY:** Ty J.

### Volume Sorted by Speed for 3/18/2026 to 3/18/2026

Combined

Speed (MPH)	Volume
17	1
18	2
19	0
20	1
21	0
22	5
23	7
24	0
25	12
26	3
27	18
28	2
29	31
30	43
31	21
32	81
33	51
34	109
35	186
36	139
37	307
38	170
39	400
40	455
41	282
42	693
43	746
44	346
45	801
46	387
47	940
48	650
49	230
50	444
51	164
52	253
53	216
54	54
55	86
56	32
57	25
58	27
59	6
60	14
61	2
62	1
63	2
64	0
65	1
66	0
67	0



# Wyoming Department of Transportation

3200 Elk Street  
Rock Springs, WY 82901

## Speed Study

CITY: WILSON  
COUNTY: TETON  
ROUTE: WY 22  
LOCATION: 6.80LT  
SPEED LIMIT: 45

Start Date: 3/18/2026  
End Date: 3/18/2026  
STUDY BY: Ty J.

Direction: Eastbound, Lane 1

3/18/2026	0 - 15	> 15 -	> 20 -	> 25 -	> 30 -	> 35 -	> 40 -	> 45 -	> 50 -	> 55 -	> 60 -	> 65 -	> 70	Total
Time	MPH	20 MPH	25 MPH	30 MPH	35 MPH	40 MPH	45 MPH	50 MPH	55 MPH	60 MPH	65 MPH	70 MPH	MPH	
12:00 AM	0	0	0	0	0	0	1	0	0	0	0	0	0	1
1:00	0	0	0	0	0	0	1	1	0	0	0	0	0	2
2:00	0	0	0	0	0	0	0	4	1	0	0	0	0	5
3:00	0	0	0	0	0	0	2	2	3	1	1	0	0	9
4:00	0	0	0	0	0	2	5	2	5	1	2	0	0	17
5:00	0	0	0	0	0	7	16	23	18	11	0	0	0	75
6:00	0	0	0	0	1	15	37	56	22	5	1	0	0	137
7:00	0	0	0	3	2	18	57	37	19	1	0	0	0	137
8:00	0	0	0	5	6	14	43	41	17	2	0	0	0	128
9:00	0	0	0	2	2	9	38	46	20	6	4	0	0	127
10:00	0	0	0	5	3	8	27	45	22	4	2	0	0	116
11:00	0	0	1	5	3	19	35	25	18	4	0	0	0	110
12:00 PM	0	0	1	5	4	9	28	30	13	3	0	0	0	93
1:00	0	0	0	9	5	4	26	28	6	6	1	0	0	85
2:00	0	0	1	5	3	13	11	31	17	4	0	0	0	85
3:00	0	0	2	1	2	12	19	27	18	4	2	0	0	87
4:00	0	0	2	3	1	2	18	35	16	3	0	0	0	80
5:00	0	0	0	2	4	4	19	32	12	1	1	0	0	75
6:00	0	1	0	3	3	5	14	22	15	4	0	0	0	67
7:00	0	0	0	1	1	6	18	21	9	0	0	0	0	56
8:00	0	0	0	2	1	10	19	15	6	2	0	0	0	55
9:00	0	0	0	1	0	9	14	5	2	1	0	0	0	32
10:00	0	1	0	0	1	6	10	12	1	1	0	0	0	32
11:00	0	0	0	0	1	1	4	3	0	1	0	0	0	10
Total	0	2	7	52	43	173	462	543	260	65	14	0	0	1621
Grand Total	0	2	7	52	43	173	462	543	260	65	14	0	0	1621

Stats	Percentile	15th	50th	85th	95th
	Speed	38	44	51	54
Mean Speed (Average)		45.6			
10 MPH Pace Speed		41-50			
Number in Pace		998			
Percent in Pace		62.0%			
Number > 45 MPH		882			
Percent > 45 MPH		54.4%			



# Wyoming Department of Transportation

3200 Elk Street  
Rock Springs, WY 82901

## Speed Study

**CITY:** WILSON  
**COUNTY:** TETON  
**ROUTE:** WY 22  
**LOCATION:** 6.80LT  
**SPEED LIMIT:** 45

**Start Date:** 3/17/2026  
**End Date:** 3/19/2026  
**STUDY BY:** Ty J.

### Volume Sorted by Speed for 3/18/2026 to 3/18/2026

Eastbound, Lane 1

Speed (MPH)	Volume
19	2
20	0
21	1
22	1
23	1
24	3
25	8
26	7
27	11
28	9
29	22
30	16
31	8
32	25
33	12
34	29
35	59
36	36
37	112
38	82
39	203
40	221
41	172
42	353
43	392
44	214
45	431
46	183
47	362
48	293
49	145
50	206
51	98
52	151
53	97
54	43
55	54
56	23
57	35
58	20
59	6
60	6
61	1
62	7
63	4
64	0
65	0
66	0
67	0
68	0
69	0



# Wyoming Department of Transportation

3200 Elk Street  
Rock Springs, WY 82901

## Speed Study

CITY: WILSON  
COUNTY: TETON  
ROUTE: WY 22  
LOCATION: 6.80LT  
SPEED LIMIT: 45

Start Date: 3/18/2026  
End Date: 3/18/2026  
STUDY BY: Ty J.

Direction: Westbound, Lane 2

3/18/2026	0 - 15	> 15 -	> 20 -	> 25 -	> 30 -	> 35 -	> 40 -	> 45 -	> 50 -	> 55 -	> 60 -	> 65 -	> 70	Total
Time	MPH	20 MPH	25 MPH	30 MPH	35 MPH	40 MPH	45 MPH	50 MPH	55 MPH	60 MPH	65 MPH	70 MPH	MPH	
12:00 AM	0	0	0	0	0	1	4	5	4	1	1	0	0	16
1:00	0	0	0	0	0	0	1	2	4	0	0	0	0	7
2:00	0	0	0	0	0	1	0	0	2	0	0	0	0	3
3:00	0	0	0	0	0	0	0	0	2	0	0	0	0	2
4:00	0	0	0	0	0	0	1	0	1	1	0	0	0	3
5:00	0	0	0	0	1	0	1	2	1	1	0	0	0	6
6:00	0	0	0	0	0	4	11	9	6	0	0	0	0	30
7:00	0	1	2	0	1	1	20	29	15	1	0	0	0	70
8:00	0	0	0	3	2	2	21	47	26	1	0	0	0	102
9:00	0	0	1	5	1	2	22	40	17	6	1	1	0	96
10:00	0	1	0	3	7	5	23	44	18	5	0	0	0	106
11:00	0	0	1	3	5	8	24	44	17	5	0	0	0	107
12:00 PM	0	0	1	2	5	4	24	44	24	7	0	1	0	112
1:00	0	0	1	5	7	3	33	64	23	5	1	0	0	142
2:00	0	0	0	2	4	10	28	66	34	6	0	0	0	150
3:00	0	0	2	3	2	11	36	77	41	8	0	0	0	180
4:00	0	1	0	1	8	5	41	87	41	5	1	0	0	190
5:00	0	0	0	3	3	8	51	87	42	2	1	0	0	197
6:00	0	0	0	0	4	3	47	81	34	8	2	0	0	179
7:00	0	0	0	1	4	8	36	50	34	4	1	0	0	138
8:00	0	0	0	3	2	5	20	35	11	5	1	0	0	82
9:00	0	0	0	3	0	1	39	38	20	6	0	0	0	107
10:00	0	0	0	1	1	6	13	24	16	8	0	0	0	69
11:00	0	0	0	0	0	0	7	11	5	3	1	1	0	28
Total	0	3	8	38	57	88	503	886	438	88	10	3	0	2122
Grand Total	0	3	8	38	57	88	503	886	438	88	10	3	0	2122

Stats	Percentile	15th	50th	85th	95th
	Speed	41	46	51	54
Mean Speed (Average)		47.0			
10 MPH Pace Speed		42-51			
Number in Pace		1375			
Percent in Pace		66.0%			
Number > 45 MPH		1425			
Percent > 45 MPH		67.2%			



# Wyoming Department of Transportation

3200 Elk Street  
Rock Springs, WY 82901

## Speed Study

**CITY:** WILSON  
**COUNTY:** TETON  
**ROUTE:** WY 22  
**LOCATION:** 6.80LT  
**SPEED LIMIT:** 45

**Start Date:** 3/17/2026  
**End Date:** 3/19/2026  
**STUDY BY:** Ty J.

### Volume Sorted by Speed for 3/18/2026 to 3/18/2026

Westbound, Lane 2

Speed (MPH)	Volume
19	2
20	0
21	4
22	6
23	2
24	9
25	12
26	6
27	16
28	10
29	14
30	20
31	17
32	31
33	17
34	37
35	35
36	32
37	52
38	31
39	75
40	106
41	86
42	249
43	343
44	169
45	424
46	237
47	568
48	454
49	167
50	271
51	133
52	217
53	185
54	30
55	74
56	15
57	36
58	22
59	7
60	8
61	2
62	1
63	2
64	2
65	3
66	0
67	0
68	1
69	0



# Wyoming Department of Transportation

3200 Elk Street  
Rock Springs, WY 82901

## Speed Study

CITY: WILSON  
COUNTY: TETON  
ROUTE: WY 22  
LOCATION: 6.80LT  
SPEED LIMIT: 45  
Direction: Combined

Start Date: 3/18/2026  
End Date: 3/18/2026  
STUDY BY: Ty J.

3/18/2026	0 - 15	> 15 -	> 20 -	> 25 -	> 30 -	> 35 -	> 40 -	> 45 -	> 50 -	> 55 -	> 60 -	> 65 -	> 70	Total
Time	MPH	20 MPH	25 MPH	30 MPH	35 MPH	40 MPH	45 MPH	50 MPH	55 MPH	60 MPH	65 MPH	70 MPH	MPH	
12:00 AM	0	0	0	0	0	1	5	5	4	1	1	0	0	17
1:00	0	0	0	0	0	0	2	3	4	0	0	0	0	9
2:00	0	0	0	0	0	1	0	4	3	0	0	0	0	8
3:00	0	0	0	0	0	0	2	2	5	1	1	0	0	11
4:00	0	0	0	0	0	2	6	2	6	2	2	0	0	20
5:00	0	0	0	0	1	7	17	25	19	12	0	0	0	81
6:00	0	0	0	0	1	19	48	65	28	5	1	0	0	167
7:00	0	1	2	3	3	19	77	66	34	2	0	0	0	207
8:00	0	0	0	8	8	16	64	88	43	3	0	0	0	230
9:00	0	0	1	7	3	11	60	86	37	12	5	1	0	223
10:00	0	1	0	8	10	13	50	89	40	9	2	0	0	222
11:00	0	0	2	8	8	27	59	69	35	9	0	0	0	217
12:00 PM	0	0	2	7	9	13	52	74	37	10	0	1	0	205
1:00	0	0	1	14	12	7	59	92	29	11	2	0	0	227
2:00	0	0	1	7	7	23	39	97	51	10	0	0	0	235
3:00	0	0	4	4	4	23	55	104	59	12	2	0	0	267
4:00	0	1	2	4	9	7	59	122	57	8	1	0	0	270
5:00	0	0	0	5	7	12	70	119	54	3	2	0	0	272
6:00	0	1	0	3	7	8	61	103	49	12	2	0	0	246
7:00	0	0	0	2	5	14	54	71	43	4	1	0	0	194
8:00	0	0	0	5	3	15	39	50	17	7	1	0	0	137
9:00	0	0	0	4	0	10	53	43	22	7	0	0	0	139
10:00	0	1	0	1	2	12	23	36	17	9	0	0	0	101
11:00	0	0	0	0	1	1	11	14	5	4	1	1	0	38
Total	0	5	15	90	100	261	965	1429	698	153	24	3	0	3743
Grand Total	0	5	15	90	100	261	965	1429	698	153	24	3	0	3743

Stats	Percentile	15th	50th	85th	95th
Speed		40	46	51	54
Mean Speed (Average)		46.4			
10 MPH Pace Speed		41-50			
Number in Pace		2369			
Percent in Pace		64.0%			
Number > 45 MPH		2307			
Percent > 45 MPH		61.6%			



# Wyoming Department of Transportation

3200 Elk Street  
Rock Springs, WY 82901

## Speed Study

**CITY:** WILSON  
**COUNTY:** TETON  
**ROUTE:** WY 22  
**LOCATION:** 6.80LT  
**SPEED LIMIT:** 45

**Start Date:** 3/17/2026  
**End Date:** 3/19/2026  
**STUDY BY:** Ty J.

### Volume Sorted by Speed for 3/18/2026 to 3/18/2026

Combined

Speed (MPH)	Volume
19	4
20	0
21	5
22	7
23	3
24	12
25	20
26	13
27	27
28	19
29	36
30	36
31	25
32	56
33	29
34	66
35	94
36	68
37	164
38	113
39	278
40	327
41	258
42	602
43	735
44	383
45	855
46	420
47	930
48	747
49	312
50	477
51	231
52	368
53	282
54	73
55	128
56	38
57	71
58	42
59	13
60	14
61	3
62	8
63	6
64	2
65	3
66	0
67	0
68	1
69	0

**APPENDIX D**

**BEHAVIORIAL SPEED  
DATA**

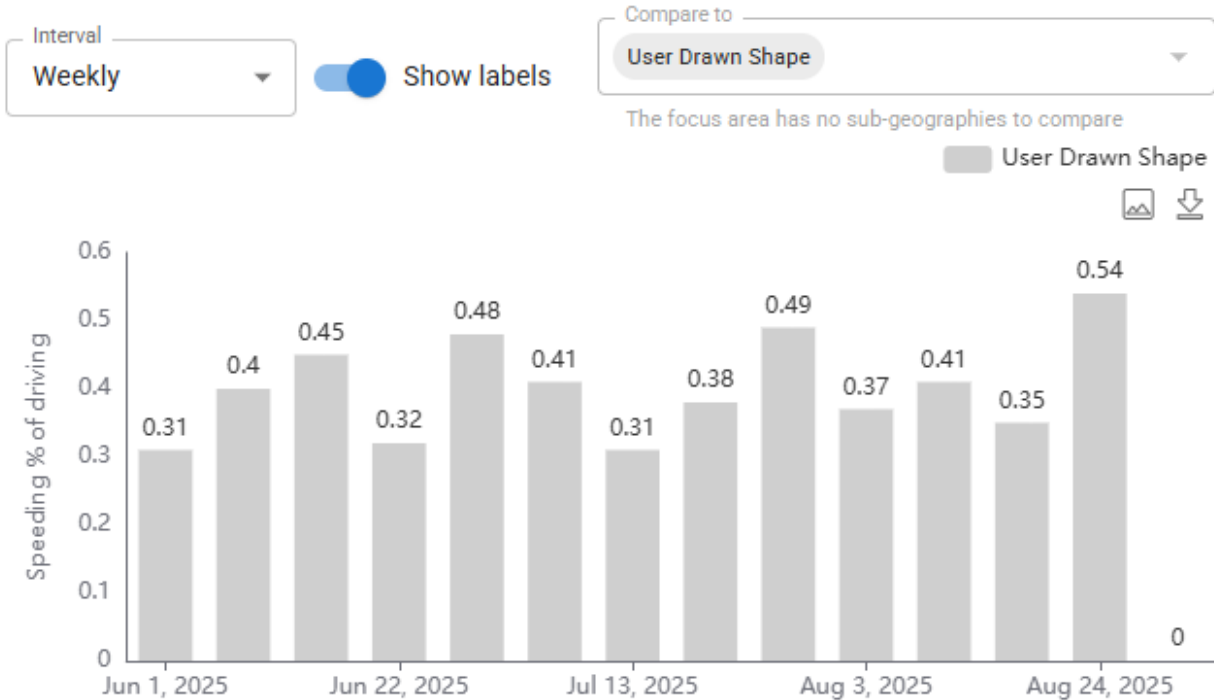
**Mobile Telematics  
Driving Behavior Data  
for SPEED on  
WY 22  
from N Old Trail Dr to  
Old Pass Rd  
6/01/2025 to 8/31/2025**

(Data accessed 03/10/2026)



## Excessive Speeding Trend Over Time

User Drawn Shape, 6/1/25 – 8/31/25, Speeding % of driving



“A speeding risk event is defined as a driver exceeding the posted speed limit by 9.3 mph (15 kph) for 5 seconds or more. The threshold is increased to 12.4 mph (20 kph) over the limit when the posted speed limit is between 55 mph and 65 mph and returns to 9.3 mph for speed limits above 65 mph.

For example, if the speed limit is 65 mph, the Speeding Risk Event Threshold will be 77 mph (65+12.4).

For geographic boundary visualizations we count the length of total time spent speeding and divide it by the total trip time, and express it as **minutes of speeding per hour of driving**. For roadway visualizations we count the **number of speeding events per hundred miles driven**.

Speed limits are obtained through our use of various mapping solutions. Inevitably there are errors in these, either due to speed limit changes or bad data. Via feedback from drivers, CMT maintains corrections to the speed limit database. Not every segment of road has a speed limit recorded in our sources, but the vast majority of major roads do.”

(Cambridge Mobile Telematics, Streetvison FAQ’s, last modified 5/7/2025)

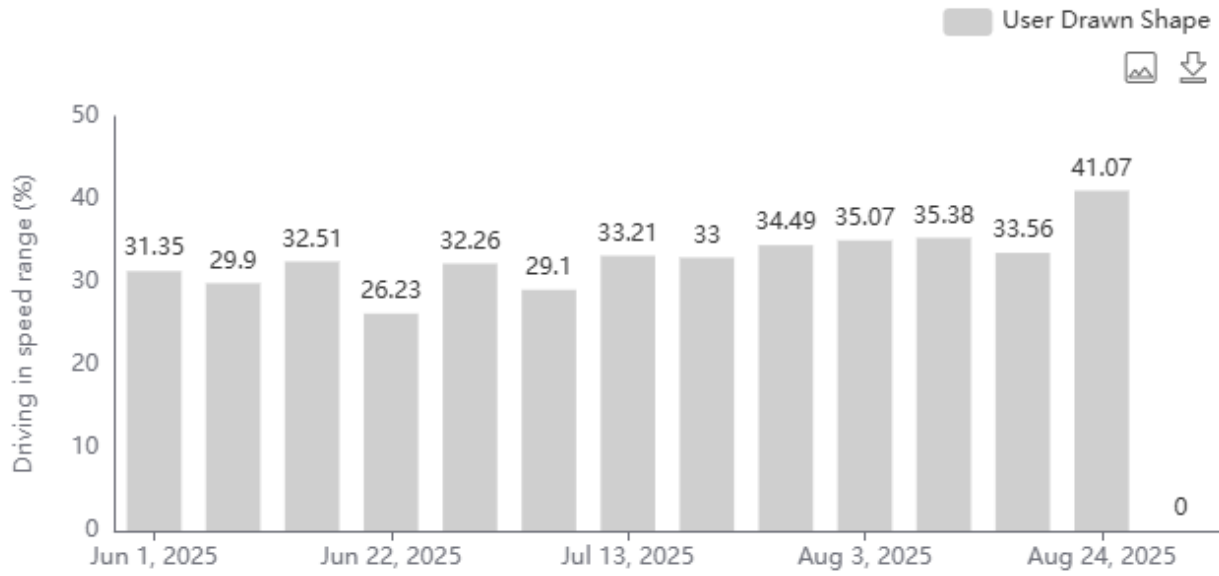


# Speed Range (above 45 mph) Trend Over Time

User Drawn Shape, 6/1/25 – 8/31/25, Driving in speed range (%)

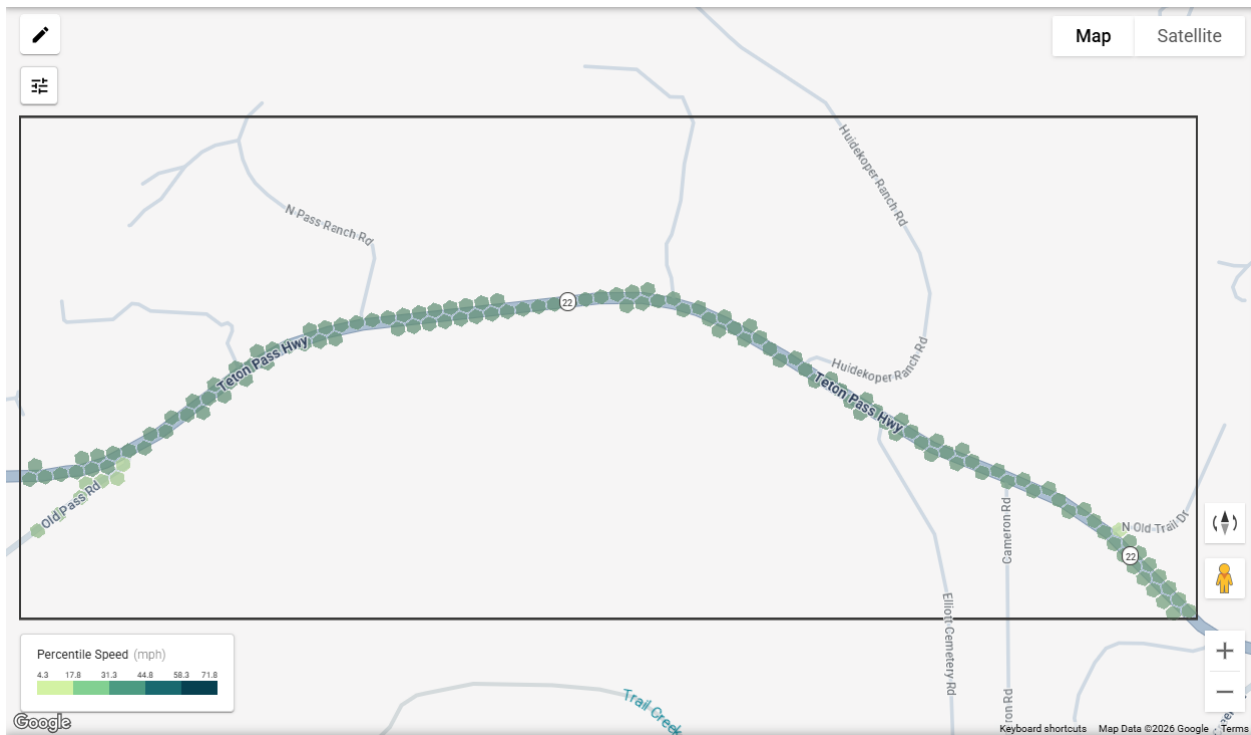
Interval: **Weekly**  Show labels Compare to: **User Drawn Shape**

The focus area has no sub-geographies to compare



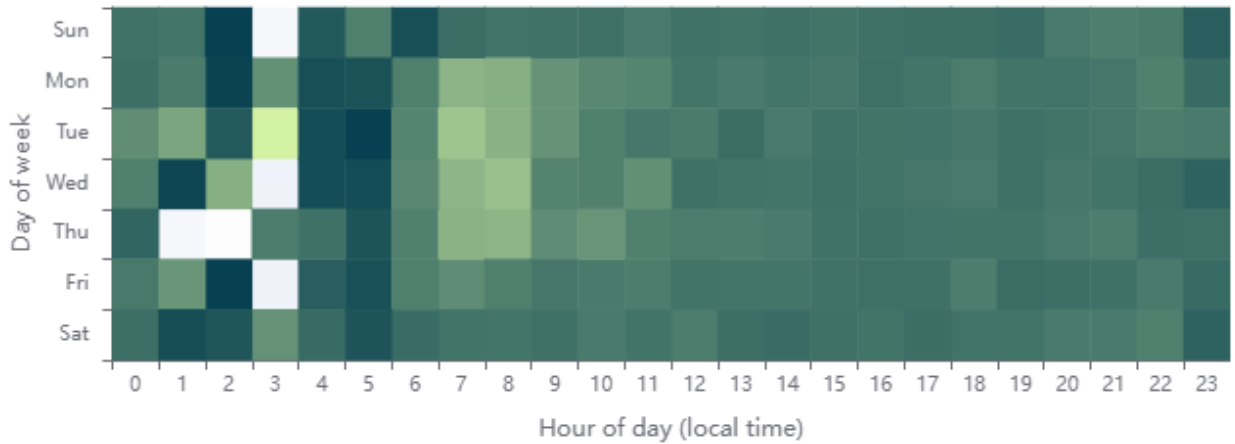
## Percentile Speed

85<sup>th</sup> percentile



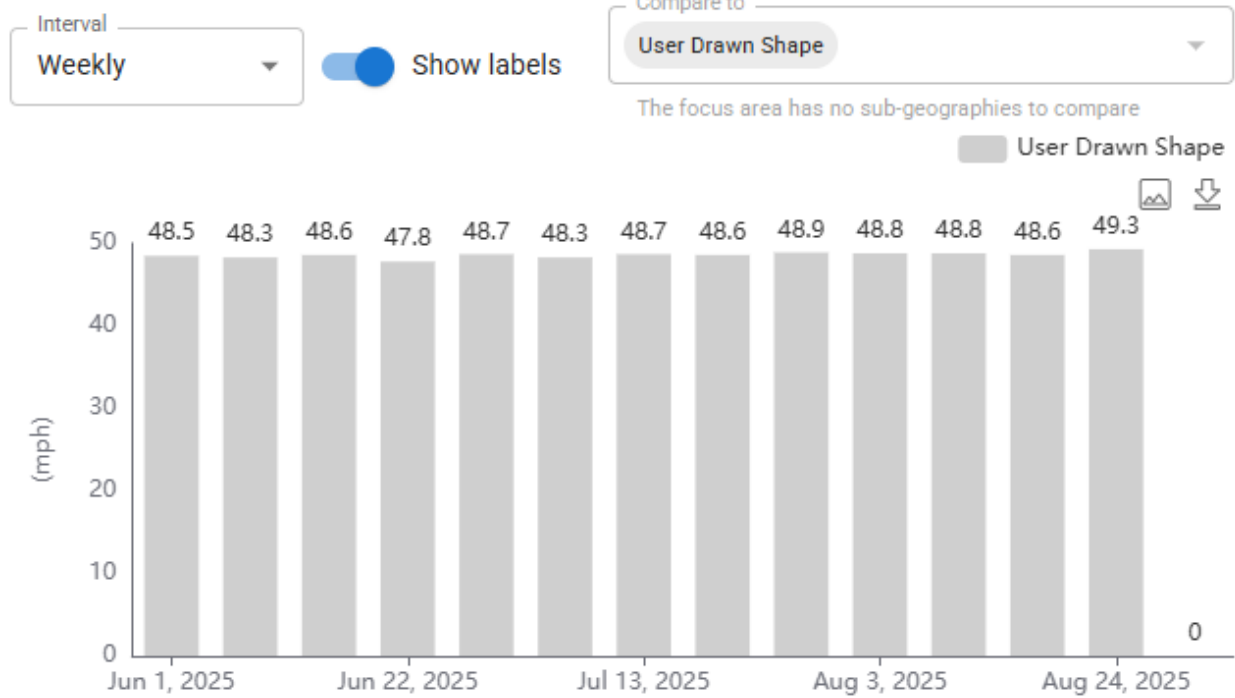
## 85th Percentile Speed by Time of Day

User Drawn Shape, 6/1/25 – 8/31/25, (mph)



## Percentile Speed Trend Over Time

User Drawn Shape, 6/1/25 – 8/31/25, (mph)





# Percentile Speed Trend Over Time

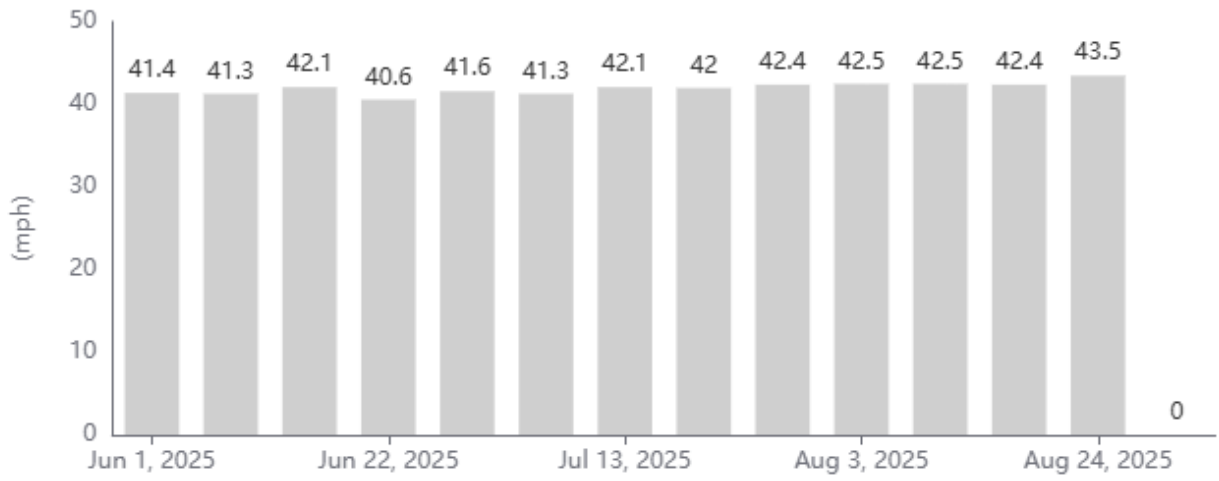
User Drawn Shape, 6/1/25 – 8/31/25, (mph)

Interval: **Weekly**  Show labels

Compare to: **User Drawn Shape**

The focus area has no sub-geographies to compare

User Drawn Shape

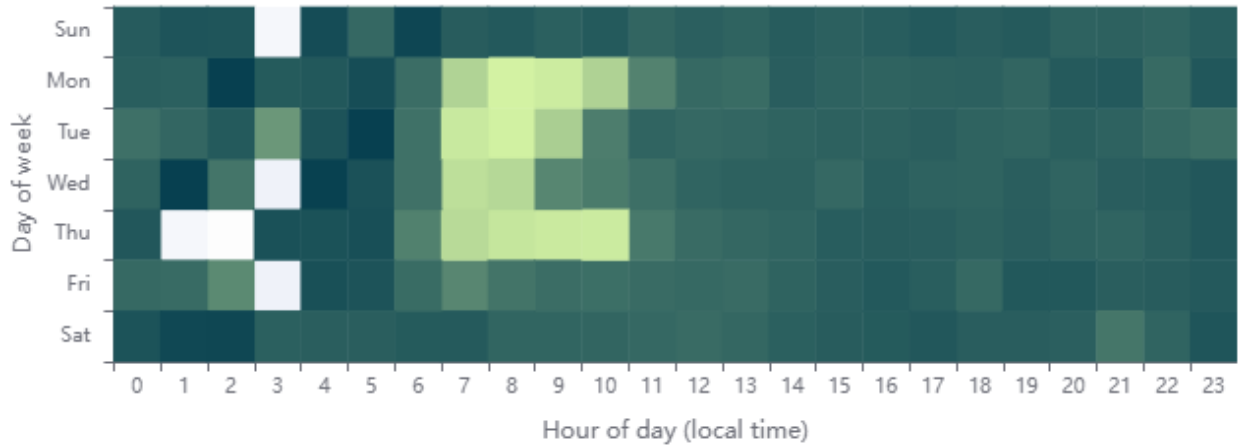


## 25<sup>th</sup> Percentile



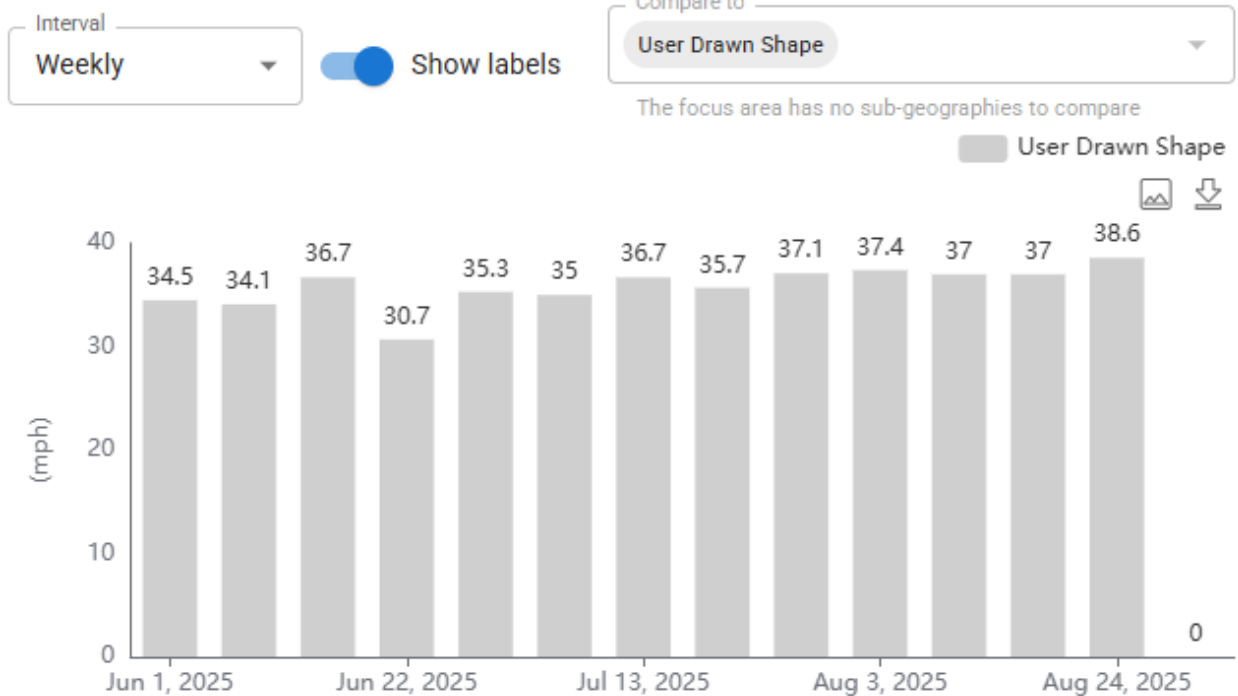
## 25th Percentile Speed by Time of Day

User Drawn Shape, 6/1/25 – 8/31/25, (mph)



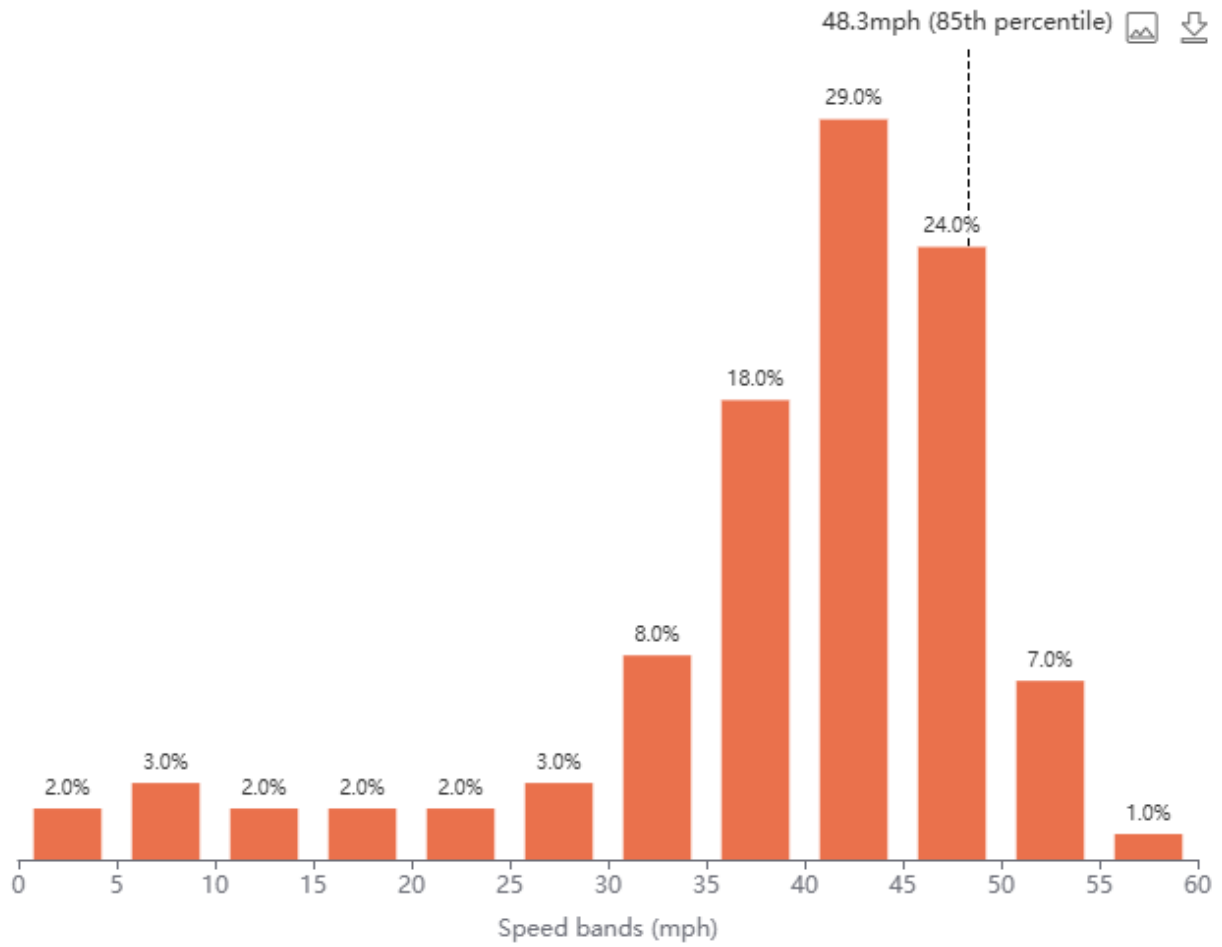
## Percentile Speed Trend Over Time

User Drawn Shape, 6/1/25 – 8/31/25, (mph)



# Speed Distribution of All Driving

User Drawn Shape, 6/1/25 – 8/31/25, Driving by 5-mph speed-bands



# **APPENDIX E**

## **USLIMITS2 SPEED ZONING REPORTS**

# USLIMITS2 Speed Zoning Report

## Project Overview

**Project Name:** Wilson west

**Analyst:** Darin Kaufman

**Date:** 2026-05-24

### Basic Project Information

Project Number: 5.93  
Route Name: WY 22  
From: 5.9  
To: 6.8  
State: Wyoming  
County: Teton County  
City: Wilson CDP  
Route Type: Road Section in Undeveloped Area  
Route Status: Existing

### Roadway Information

Section Length: 1 mile(s)  
Statutory Speed Limit: 70 mph  
Existing Speed Limit: 45 mph  
Adverse Alignment: No  
Divided/Undivided: Undivided  
Number of Lanes: 2  
Roadside Hazard Rating: 2  
Transition Zone: Yes

### Crash Data Information

Crash Data Years: 5.00  
Crash AADT: 10000 veh/day  
Total Number of Crashes: 5  
Total Number of Injury Crashes: 0  
Section Crash Rate: 27 per 100 MVM  
Section Injury Crash Rate: 0 per 100 MVM  
Crash Rate Average for Similar Roads: 115  
Injury Rate Average for Similar Roads: 44

### Traffic Information

85th Percentile Speed: 40 mph  
50th Percentile Speed: 35 mph  
AADT: 10000 veh/day

**Project Description:** This study is in response to written request from the Teton County Board of County Commissioners and Teton County Sheriff. The request is interested in modifying the speed transition west of the community of Wilson along the downhill grade of WY 22 The area currently has a posted speed limit of 45-25 mph, from west to east. The request includes extending the existing 25-mph limit, adding a 35-mph zone, and examining other measures to change driver behavior and alert motorists unfamiliar with the area entering the community of Wilson from a mountainous environment. Data collection and inventory of existing signage will be between Fall Creek Road and Trail Creek Road RM 5.9 to RM 6.8.

**Recommended Speed Limit:**



**Disclaimer:** The U.S. Government assumes no liability for the use of the information contained in this report. This report does not constitute a standard, specification, or regulation.

## How the Recommended Speed Limit was Determined

The questions and responses below, and the referenced page numbers, correspond to the flowcharts found in the [Decision Rules Flowchart document](#).

### Terms Used in the Recommendation

- **Closest 85th:** This is the 5 mph increment that is closest to the 85th percentile speed (e.g., if the 85th percentile speed is 63 mph, the Closest 85th will be 65 mph).
- **Rounded-down 85th:** This is the 5 mph increment obtained by rounding down the 85th percentile to the nearest 5 mph increment (e.g., if the 85th percentile speed is 63 mph, the Rounded-down 85th will be 60 mph).
- **Closest 50th:** This is the 5 mph increment that is closest to the 50th percentile speed (e.g., if the 50th percentile speed is 58 mph, the Closest 50th will be 60 mph).

- **SL\_1**: Speed limit determined using site characteristics (e.g., AADT, interchange spacing, roadside hazard rating, ped/bike activity, number of traffic signals, etc.).
- **SL\_2**: Speed limit determined using crash data from the crash module.
- **SL**: Recommended Speed Limit.

The Recommended Speed Limit (SL) is the lower of the speed limit determined without crash data (SL\_1) and the speed limit determined with crash data (SL\_2).

## Determine SL\_1 Using Site Characteristics (pg. K-14)

**Question 1:** What is the roadside hazard rating (RHR)?

**Results:** Because the RHR (2) is less than 4, **the SL\_1 is the closest 85th speed (40 mph).**

**Question 2:** Are crash data available?

**Results:** Yes, so use these data to determine SL\_2.

## Determine SL\_2 Using Crash Data (pg. K-15)

**Question 3:** Is more than one year of crash data available?

**Results:** Yes, at least one year of crash data is available.

**Note:** The crash rate is calculated to be 27 crashes per 100M VMT, and the injury rate is calculated to be 0 crashes per 100M VMT.

**Note:** The critical crash rate is calculated as 159 crashes per 100M VMT.

**Question 4:** Is the crash rate (27 per 100M VMT) greater than the critical crash rate (159 crashes per 100M VMT)?

**Results:** No, **so the crash level is classified as low.**

**Question 5:** Is the injury crash rate (0 per 100M VMT) greater than the critical injury rate (72 crashes per 100M VMT)?

**Results:** No, **so the injury crash level is classified as low.**

**Question 6:** Are either of the crash level (low) or injury crash level (low) classified as medium or high?

**Results:** No, **so the total crash level is classified low.**

**Question 7:** Is the total crash level (low) classified as medium or high?

**Results:** No, so **SL\_2 is set as the closest 85th speed (40 mph).**

## Determine SL (pg. K-12)

**Note:** SL is set as the lower of SL\_1 (40 mph) and SL\_2 (40 mph). **The SL is set to 40 mph.**

## Determine the Final Recommended Speed Limit (pg. K-19)

**Question 8:** Is the SL less than 25 mph or greater than 65 mph?

**Results:** The SL (40 mph) is between 25 mph and 65 mph. **The SL remains the same.**

**Final Recommendation: The recommended speed limit is 40 mph.**

## Equations Used in the Crash Data Calculations

*Exposure (M)*

$$M = (\text{Section AADT} * 365 * \text{Section Length} * \text{Duration of Crash Data}) / (100000000)$$

$$M = (10000 * 365 * 1 * 5.00) / (100000000)$$

$$M = 0.1825$$

*Crash Rate (Rc)*

$$Rc = (\text{Section Crash Average} * 100000000) / (\text{Section AADT} * 365 * \text{Section Length})$$

$$Rc = (1.00 * 100000000) / (10000 * 365 * 1)$$

$$Rc = 27.40 \text{ crashes per 100 MVM}$$

*Injury Rate (Ri)*

$$Ri = (\text{Section Injury Crash Average} * 100000000) / (\text{Section AADT} * 365 * \text{Section Length})$$

$$Ri = (0.00 * 100000000) / (10000 * 365 * 1)$$

$$Ri = 0.00 \text{ injuries per 100 MVM}$$

*Critical Crash Rate (Cc)*

$$Cc = \text{Crash Average of Similar Sections} + 1.645 * (\text{Crash Average of Similar Sections} / \text{Exposure}) ^ (1/2) + (1 / (2 * \text{Exposure}))$$

$$C_c = 115.30 + 1.645 * (115.30 / 0.1825)^{(1/2)} + (1 / (2 * 0.1825))$$

$C_c = 159.38$  crashes per 100 MVM

*Critical Injury Rate (Ic)*

$$I_c = \text{Injury Crash Average of Similar Sections} + 1.645 * (\text{Injury Crash Average of Similar Sections} / \text{Exposure})^{(1/2)} + (1 / (2 * \text{Exposure}))$$

$$I_c = 44.01 + 1.645 * (44.01 / 0.1825)^{(1/2)} + (1 / (2 * 0.1825))$$

$I_c = 72.29$  injuries per 100 MVM

# USLIMITS2 Speed Zoning Report

## Project Overview

**Project Name: Wilson west**

**Analyst:** Darin Kaufman

**Date:** 2026-05-24

### Basic Project Information

Project Number: 6.12  
Route Name: WY 22  
From: 5.9  
To: 6.8  
State: Wyoming  
County: Teton County  
City: Wilson CDP  
Route Type: Road Section in Undeveloped Area  
Route Status: Existing

### Crash Data Information

Crash Data Years: 5.00  
Crash AADT: 10000 veh/day  
Total Number of Crashes: 5  
Total Number of Injury Crashes: 0  
Section Crash Rate: 27 per 100 MVM  
Section Injury Crash Rate: 0 per 100 MVM  
Crash Rate Average for Similar Roads: 115  
Injury Rate Average for Similar Roads: 44

### Roadway Information

Section Length: 1 mile(s)  
Statutory Speed Limit: 70 mph  
Existing Speed Limit: 45 mph  
Adverse Alignment: No  
Divided/Undivided: Undivided  
Number of Lanes: 2  
Roadside Hazard Rating: 2  
Transition Zone: Yes

### Traffic Information

85th Percentile Speed: 46 mph  
50th Percentile Speed: 40 mph  
AADT: 10000 veh/day

**Project Description:** This study is in response to written request from the Teton County Board of County Commissioners and Teton County Sheriff. The request is interested in modifying the speed transition west of the community of Wilson along the downhill grade of WY 22. The area currently has a posted speed limit of 45-25 mph, from west to east. The request includes extending the existing 25-mph limit, adding a 35-mph zone, and examining other measures to change driver behavior and alert motorists unfamiliar with the area entering the community of Wilson from a mountainous environment. Data collection and inventory of existing signage will be between Fall Creek Road and Trail Creek Road RM 5.9 to RM 6.8.

**Recommended Speed Limit:**



**Disclaimer:** The U.S. Government assumes no liability for the use of the information contained in this report. This report does not constitute a standard, specification, or regulation.

## How the Recommended Speed Limit was Determined

The questions and responses below, and the referenced page numbers, correspond to the flowcharts found in the [Decision Rules Flowchart document](#).

### Terms Used in the Recommendation

- **Closest 85th:** This is the 5 mph increment that is closest to the 85th percentile speed (e.g., if the 85th percentile speed is 63 mph, the Closest 85th will be 65 mph).
- **Rounded-down 85th:** This is the 5 mph increment obtained by rounding down the 85th percentile to the nearest 5 mph increment (e.g., if the 85th percentile speed is 63 mph, the Rounded-down 85th will be 60 mph).
- **Closest 50th:** This is the 5 mph increment that is closest to the 50th percentile speed (e.g., if the 50th percentile speed is 58 mph, the Closest 50th will be 60 mph).

- **SL\_1**: Speed limit determined using site characteristics (e.g., AADT, interchange spacing, roadside hazard rating, ped/bike activity, number of traffic signals, etc.).
- **SL\_2**: Speed limit determined using crash data from the crash module.
- **SL**: Recommended Speed Limit.

The Recommended Speed Limit (SL) is the lower of the speed limit determined without crash data (SL\_1) and the speed limit determined with crash data (SL\_2).

## Determine SL\_1 Using Site Characteristics (pg. K-14)

**Question 1:** What is the roadside hazard rating (RHR)?

**Results:** Because the RHR (2) is less than 4, **the SL\_1 is the closest 85th speed (45 mph).**

**Question 2:** Are crash data available?

**Results:** Yes, so use these data to determine SL\_2.

## Determine SL\_2 Using Crash Data (pg. K-15)

**Question 3:** Is more than one year of crash data available?

**Results:** Yes, at least one year of crash data is available.

**Note:** The crash rate is calculated to be 27 crashes per 100M VMT, and the injury rate is calculated to be 0 crashes per 100M VMT.

**Note:** The critical crash rate is calculated as 159 crashes per 100M VMT.

**Question 4:** Is the crash rate (27 per 100M VMT) greater than the critical crash rate (159 crashes per 100M VMT)?

**Results:** No, **so the crash level is classified as low.**

**Question 5:** Is the injury crash rate (0 per 100M VMT) greater than the critical injury rate (72 crashes per 100M VMT)?

**Results:** No, **so the injury crash level is classified as low.**

**Question 6:** Are either of the crash level (low) or injury crash level (low) classified as medium or high?

**Results:** No, **so the total crash level is classified low.**

**Question 7:** Is the total crash level (low) classified as medium or high?

**Results:** No, so **SL\_2 is set as the closest 85th speed (45 mph).**

## Determine SL (pg. K-12)

**Note:** SL is set as the lower of SL\_1 (45 mph) and SL\_2 (45 mph). **The SL is set to 45 mph.**

## Determine the Final Recommended Speed Limit (pg. K-19)

**Question 8:** Is the SL less than 25 mph or greater than 65 mph?

**Results:** The SL (45 mph) is between 25 mph and 65 mph. **The SL remains the same.**

**Final Recommendation: The recommended speed limit is 45 mph.**

## Equations Used in the Crash Data Calculations

*Exposure (M)*

$$M = (\text{Section AADT} * 365 * \text{Section Length} * \text{Duration of Crash Data}) / (100000000)$$

$$M = (10000 * 365 * 1 * 5.00) / (100000000)$$

$$M = 0.1825$$

*Crash Rate (Rc)*

$$Rc = (\text{Section Crash Average} * 100000000) / (\text{Section AADT} * 365 * \text{Section Length})$$

$$Rc = (1.00 * 100000000) / (10000 * 365 * 1)$$

$$Rc = 27.40 \text{ crashes per 100 MVM}$$

*Injury Rate (Ri)*

$$Ri = (\text{Section Injury Crash Average} * 100000000) / (\text{Section AADT} * 365 * \text{Section Length})$$

$$Ri = (0.00 * 100000000) / (10000 * 365 * 1)$$

$$Ri = 0.00 \text{ injuries per 100 MVM}$$

*Critical Crash Rate (Cc)*

$$Cc = \text{Crash Average of Similar Sections} + 1.645 * (\text{Crash Average of Similar Sections} / \text{Exposure}) ^ (1/2) + (1 / (2 * \text{Exposure}))$$

$$C_c = 115.30 + 1.645 * (115.30 / 0.1825)^{(1/2)} + (1 / (2 * 0.1825))$$

$C_c = 159.38$  crashes per 100 MVM

*Critical Injury Rate (Ic)*

$$I_c = \text{Injury Crash Average of Similar Sections} + 1.645 * (\text{Injury Crash Average of Similar Sections} / \text{Exposure})^{(1/2)} + (1 / (2 * \text{Exposure}))$$

$$I_c = 44.01 + 1.645 * (44.01 / 0.1825)^{(1/2)} + (1 / (2 * 0.1825))$$

$$I_c = 72.29$$
 injuries per 100 MVM