



INTEROFFICE MEMO

TO: Angela Kargel, P.E.
State Traffic Engineer

FROM: Jamie Schmidt, P.E.
Region 2 Traffic Operations Engineer
(971) 208-4095

Region 2 Traffic Operations Engineer

**SUBJECT: Speed Zone Investigation #14104
NE NORTH VALLEY ROAD
NE Ribbon Ridge Road to NE Laughlin Road / NE Albertson Road
Yamhill County**

A speed zone investigation has been conducted on NE North Valley Road from NE Ribbon Ridge Road to NE Laughlin Road / NE Albertson Road. The investigation was requested by Mark Lago, Public Works Director, Yamhill County. This section is currently statutory 55 mph and is unposted. The county is requesting 45 mph and stated the reason of "Horizontal and vertical curves do not accommodate 55 mph speed."

There is one investigated section on this roadbed. The investigated section is 3.81 mile in length and rural in density and culture, with a rural context and has an ADT of 5126. This road is classified as a Rural Major Collector (County – Yamhill). Four spot speed check showed the cumulative 85% speed to be 58 mph and the cumulative 50% speed to be 52 mph. Sixty-nine percent of the cars are traveling within the pace limits of 49 - 58 mph. Thirty-one percent of the cars are exceeding the existing unposted 55 mph statutory speed. There were 15 reported crashes between 01/01/19 and 12/31/21 (0 fatal, 0 Inj A). The section crash rate is 0.70 with a comparable rate of 1.39.

Due to the consistent context, we only performed four spot speed checks in this 3.81 mile investigation. There are limited locations to perform speed checks due to limited shoulders and many horizontal and vertical curves.

Our recommendation is based on requested speed, 85% speed, 50% speed, pace limits and roadway geometry; we are recommending to establish 50 mph for the requested section under OAR 734-020-0015 (3)(b)(C) Non-State Highways in the functional classes "Collector" or "Local".

If you concur with this recommendation, please note your concurrence on the attached report.

JS/WR

B.O. 25-401

OREGON DEPARTMENT OF TRANSPORTATION
Report of Speed Zone Investigation
NE NORTH VALLEY ROAD
NE Ribbon Ridge Road to NE Laughlin Road / NE Albertson Road
Yamhill County
September 15, 2025

Approved by
State Traffic Engineer

Recommendation: Establish the following speed zoning:

<u>Section</u>	Existing	Recommended
<u>Investigated</u>		
Section		
From: NE Ribbon Ridge Road	55 mph	50 mph
To: NE Laughlin Road / NE Albertson Road	(stat.)	

Historical Background:

Investigation Requested by: Mark Lago, Public Works Director, Yamhill County
Requested Speed: 45 mph – Horizontal and vertical curves do not accommodate 55 mph speed.

Previous Action: none.

<u>Investigation:</u>	<u>Section</u>
Section Length	3.81 mile
85% Speed	58 mph
50% Speed	52 mph
2020-2022 Section Crash Rate	0.70
Average Daily Traffic	5126
Context	Rural
Culture Type & Density	Rural
Horizontal Alignment	16 curves
Vertical Alignment	Undulating
Curve Signs & Speed Riders	Partially In place
Existing Posted Speed	None
Recommended Speed	50 mph

<u>Roadway Data:</u>	<u>Section</u>
Surface	AC
Lanes	2
Width	21' – 23' FL to FL
Parking	None
Shoulders	0' – 1' paved
Intersecting Streets	1
Paved	0
Stopped	0
Signalized and Other	0
Pedestrian Activity	Low
Bicycle Activity	Low
Bicycle Lanes	0%
Sidewalks	0%
Marked Crosswalks	0
Enhanced Crosswalks	0
Transit	No

<u>Crash Data:</u>	
Study Period	1/1/2020 – 12/31/2022
2020-2022 Total Crashes	15
2020-2022 Fatal K Crashes	0
2020-2022 Serious Injury A Crashes	0
2020-2022 Injury B and C Crashes	10
2020-2022 No Injury O Crashes	5
2020-2022 Section Crash Rate (R)	0.70
2021 Comparable Crash Rate (r) <u>1/</u>	1.39
Deviation (R-r)	0

<u>Spot Speed Data:</u>	
85% Speed	58 mph
50% Speed	52 mph
Pace Limits <u>2/</u>	49 – 58 mph
% in Pace	69%
Maximum Speed	84 mph
Posted Speed	55 mph (stat., not posted)
% Exceeding Posted Speed	31%
Computed 85% Speed <u>3/</u>	58 mph
Recommended Speed	50 mph

- 1/ Rural Major Collector (County – Yamhill)
2/ Ten mile-per-hour range containing the largest number of sample vehicles
3/ 85% speed minus deviation/85% speed (if Deviation is zero or negative)

Factors Influencing Recommendation:

Our recommendation is based on requested speed, 85% speed, 50% speed, pace limits and roadway geometry.

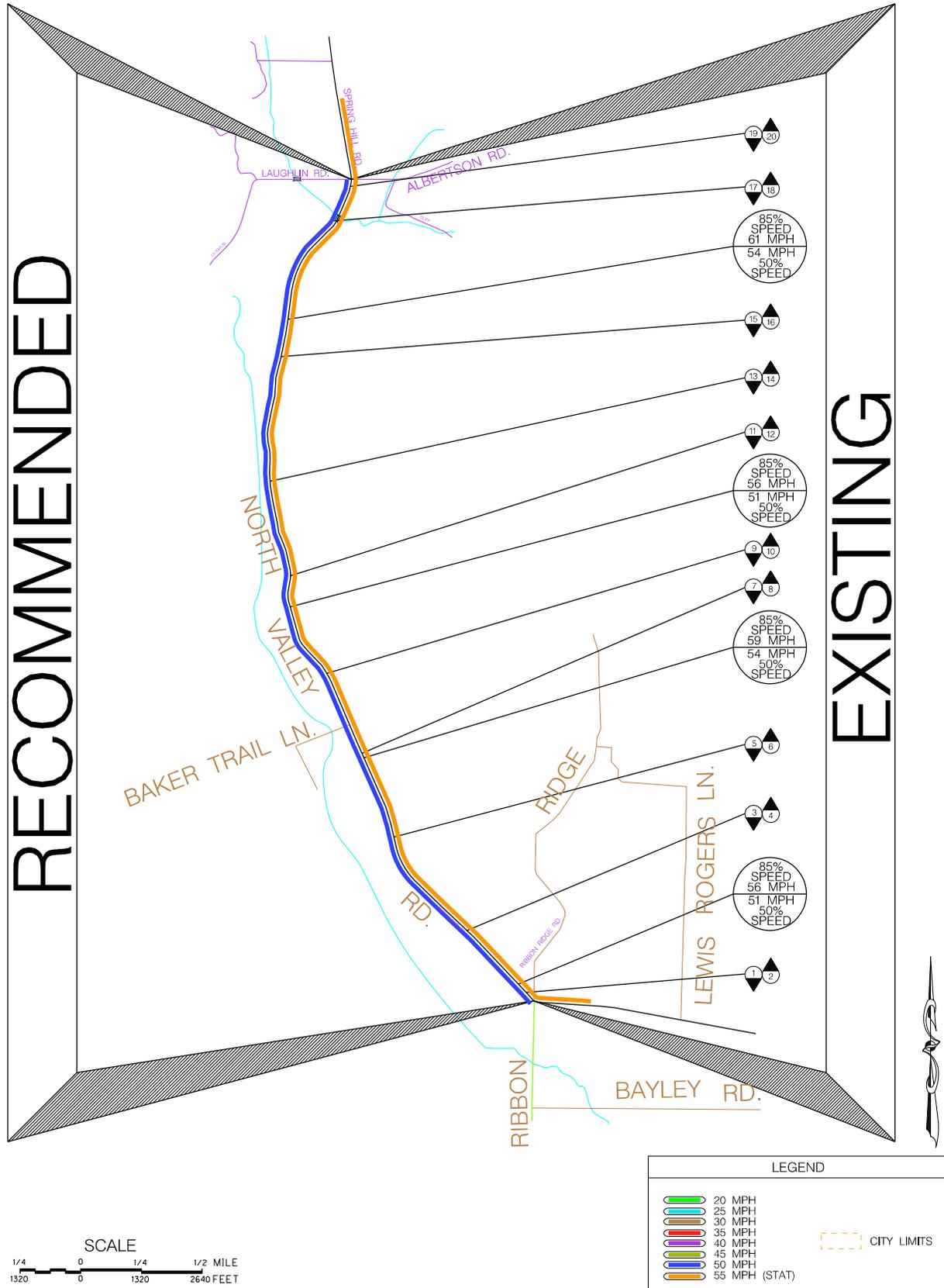
Section - OAR 734-020-0015 (3)(b)(C) Non-State Highways in the functional classes “Collector” or “Local”

Approved by the Yamhill County Board of

Commissioners on 12/18/2025

via Board Order 25-401

SPEED ZONE INVESTIGATION NE NORTH VALLEY ROAD YAMHILL COUNTY



TYPICAL VIEWS
NE NORTH VALLEY ROAD
YAMHILL COUNTY
August 28, 2025



1. Looking southbound from 250 feet north of Ribbon Ridge Road.

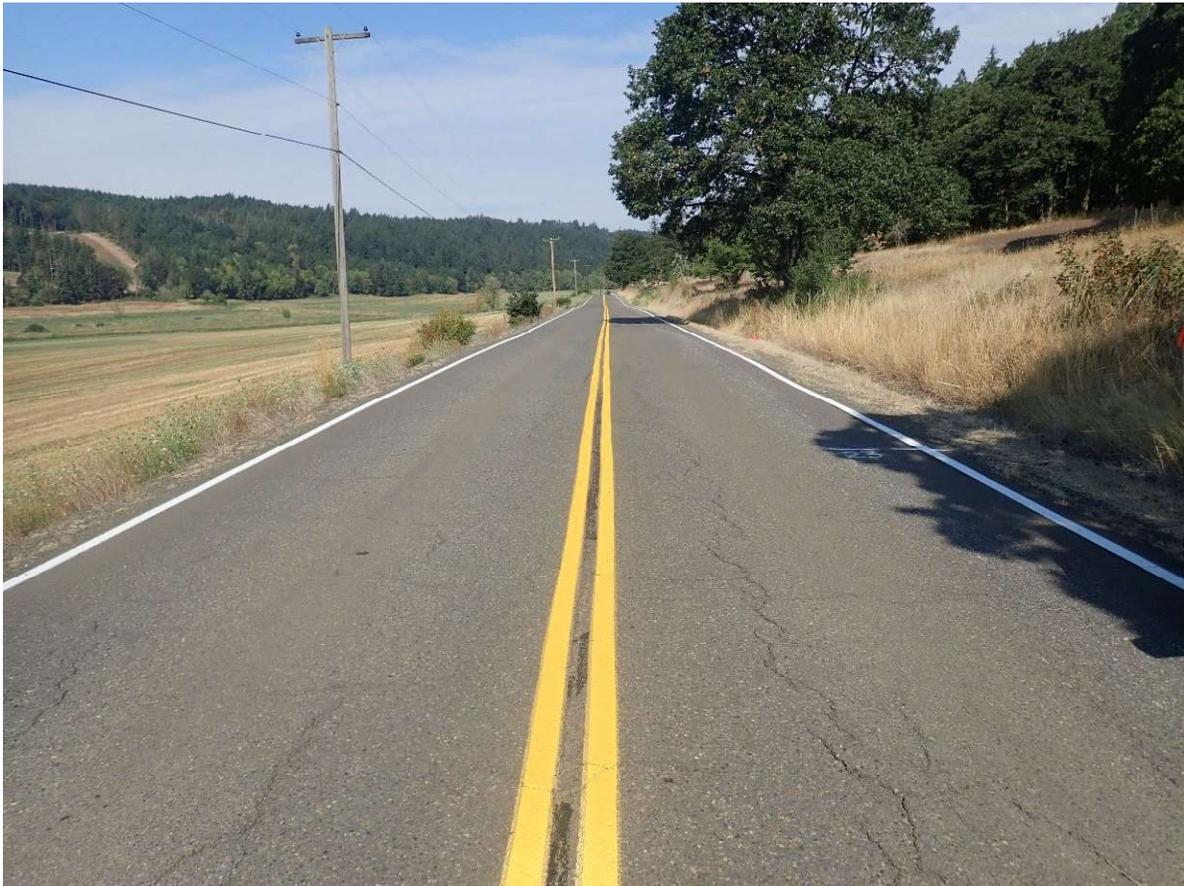


2. Looking northbound from 250 feet north of Ribbon Ridge Road. B.O. 25-401

TYPICAL VIEWS
NE NORTH VALLEY ROAD
YAMHILL COUNTY
August 28, 2025



3. Looking southbound from 0.40 mile north of Ribbon Ridge Road.



4. Looking northbound from 0.40 mile north of Ribbon Ridge Road. B.O. 25-401

TYPICAL VIEWS
NE NORTH VALLEY ROAD
YAMHILL COUNTY
August 28, 2025



5. Looking southbound from 0.50 mile south of Baker Trail Lane.

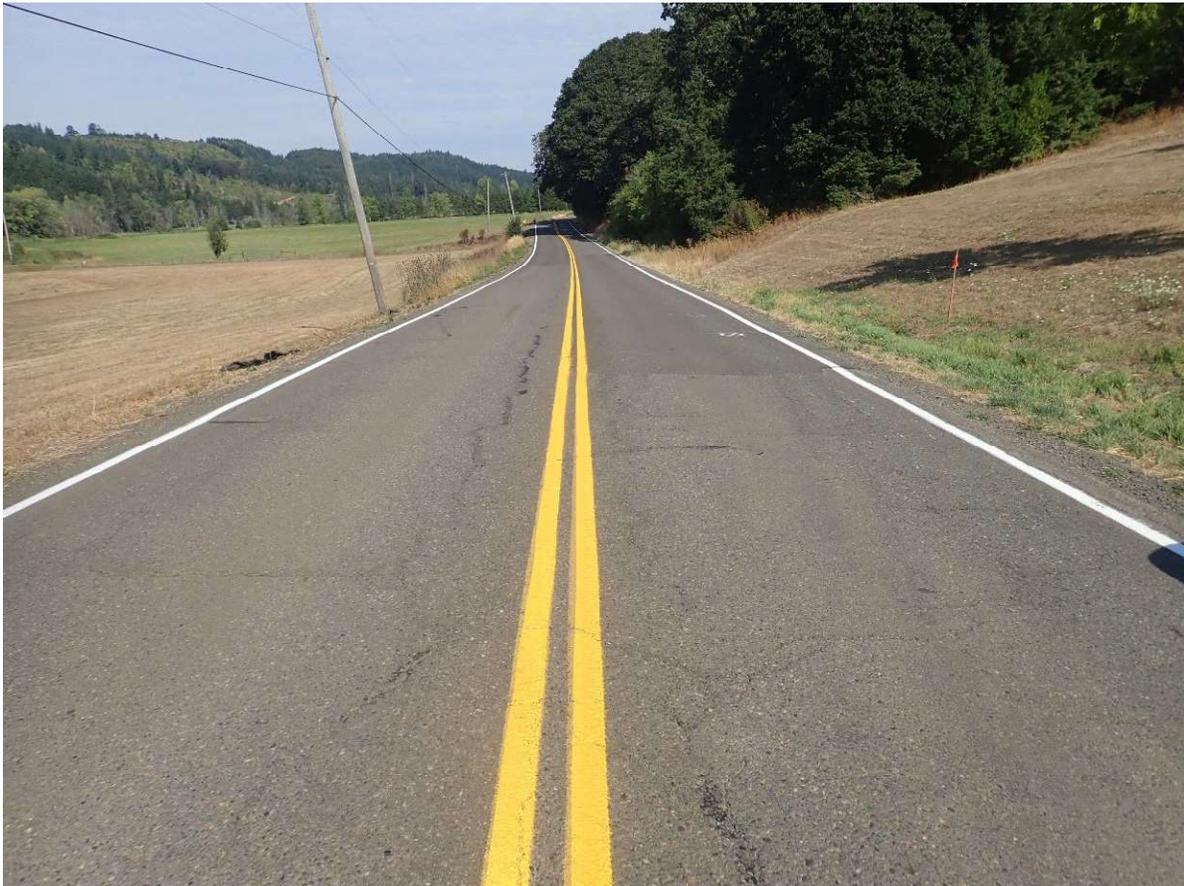


6. Looking northbound from 0.50 mile south of Baker Trail Lane. B.O. 25-401

TYPICAL VIEWS
NE NORTH VALLEY ROAD
YAMHILL COUNTY
August 28, 2025



7. Looking southbound from 0.13 mile south of Baker Trail Lane.



8. Looking northbound from 0.13 mile south of Baker Trail Lane. B.O. 25-401

TYPICAL VIEWS
NE NORTH VALLEY ROAD
YAMHILL COUNTY
August 28, 2025



9. Looking southbound from 0.23 mile north of Baker Trail Lane.

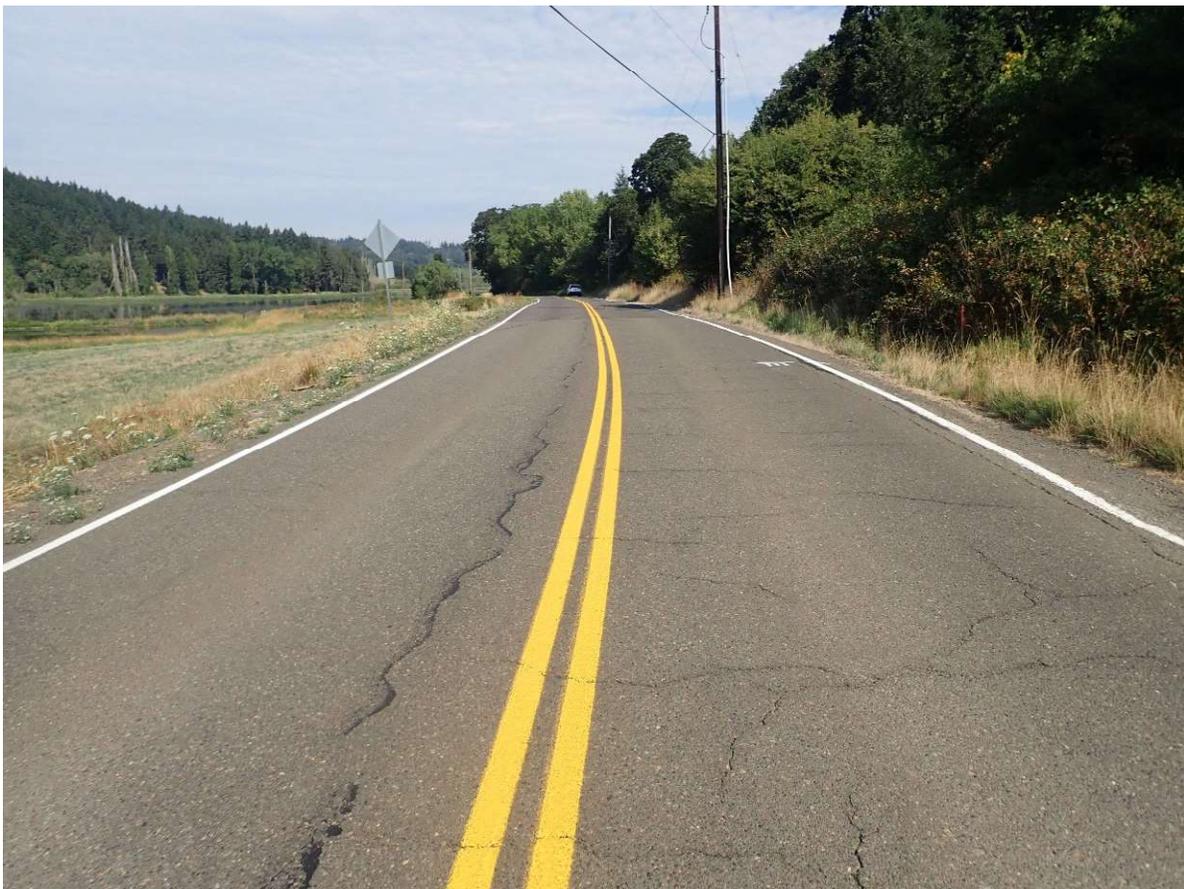


10. Looking northbound from 0.23 mile north of Baker Trail Lane.

TYPICAL VIEWS
NE NORTH VALLEY ROAD
YAMHILL COUNTY
August 28, 2025



11. Looking southbound from 0.68 mile north of Baker Trail Lane.



12. Looking northbound from 0.68 mile north of Baker Trail Lane.

TYPICAL VIEWS
NE NORTH VALLEY ROAD
YAMHILL COUNTY
August 28, 2025



13. Looking southbound from 1.08 mile north of Baker Trail Lane.



14. Looking northbound from 1.08 mile north of Baker Trail Lane.

TYPICAL VIEWS
NE NORTH VALLEY ROAD
YAMHILL COUNTY
August 28, 2025



15. Looking southbound from 0.81 mile south of Albertson Road.



16. Looking northbound from 0.81 mile south of Albertson Road. B.O. 25-401

TYPICAL VIEWS
NE NORTH VALLEY ROAD
YAMHILL COUNTY
August 28, 2025



17. Looking southbound from 0.18 mile south of Albertson Road.



18. Looking northbound from 0.18 mile south of Albertson Road.

TYPICAL VIEWS
NE NORTH VALLEY ROAD
YAMHILL COUNTY
August 28, 2025



19. Looking southbound from 150 feet south of Albertson Road.



20. Looking northbound from 150 feet south of Albertson Road.

Crash Listing

Roadway North Valley Rd
 Route Number _____
 City _____
 County Yamhill From _____
NE Ribbon Ridge Rd
 To NE Albertson Rd
 Years 2020 To 2022

Section	Year	Collision Type												Bicycle Crashes*	All Crashes*	Classification			
		Angle	Head-On	Rear-End	Sideswipe Meeting	Sideswipe Overtaking	Turning Movements	Parking Maneuver	Non-Collision	Fixed-Other Object	Pedestrian	Backing	Other			Fatal K	Serious Injury A	Injury B and C	No Injury O
Section	2022		1							2					3				3
From NE Ribbon Ridge Rd	2021		1		1					2				2	6				3
To NE Albertson Rd	2020		1		1					3				1	6			4	2
	Total	0	3	0	2	0	0	0	0	7	0	0	3	0	15	0	0	10	5
	Total																		
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*Bicycle Crashes are included in other collision types, do not count twice

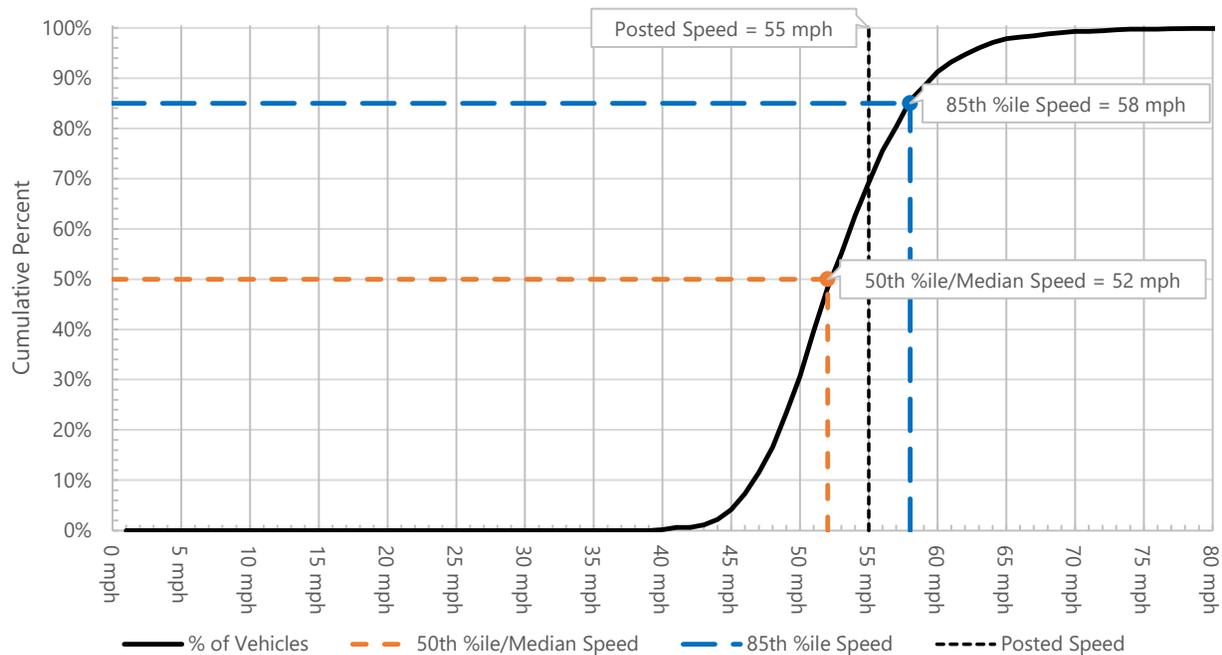
Compiled By: Weldon Ryan

Date: 3/13/2025

Spot Speed Measurement Report - Section Summary

Roadway	North Valley Road	Investigation #	14104
City	Outside City Limits	Start of First Spot Speed Study	July 31, 2025 10:19 AM
County	Yamhill	End of Last Spot Speed Study	September 04, 2025 03:07 PM
Location	Investigated Section	Weather	SUNNY
Direction of Travel	Northbound & Southbound	Investigator	WR (ODOT)

Combined Direction Speed Profile



Summary Statistics (4 Spot Speed Studies)

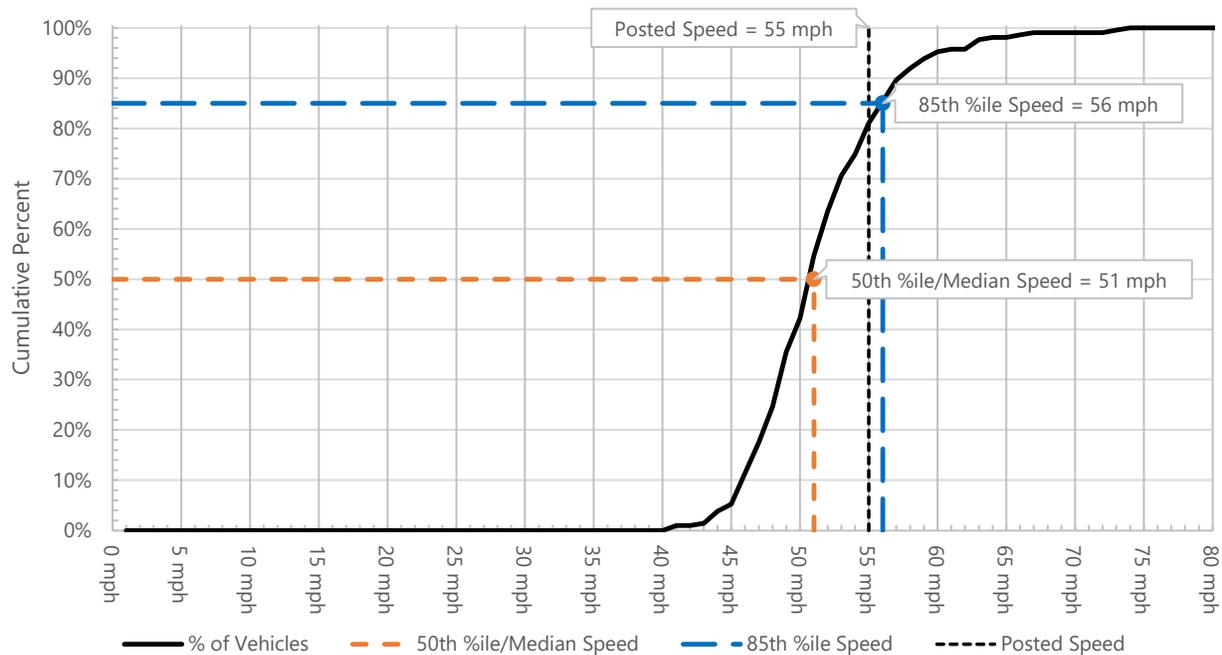
Direction	Northbound	Combined	Southbound
Total # of Vehicles	443 vehicles	822 vehicles	379 vehicles
85th %ile Speed	58 mph	58 mph	58 mph
50th %ile/Median Speed	52 mph	52 mph	52 mph
Mean Speed	53 mph	53 mph	54 mph
Standard Deviation	5.3 mph	5.3 mph	5.4 mph
Pace Limits*	49 mph - 58 mph	49 mph - 58 mph	48 mph - 57 mph
% In Pace	69%	69%	69%
Max Speed	77 mph	84 mph	84 mph
Posted Speed	55 mph	55 mph	55 mph
% Exceeding Posted Speed	30%	31%	31%

*10 mph range containing the largest number of sampled vehicles.

Spot Speed Measurement Report

Roadway	North Valley Road	Investigation #	14104
City	Outside City Limits	Date	July 31, 2025
County	Yamhill	Time	10:19 AM - 01:03 PM
Location	500 N RIBBON RIDGE	Weather	SUNNY
Direction of Travel	Northbound & Southbound	Investigator	WR (ODOT)

Combined Direction Speed Profile



Summary Statistics

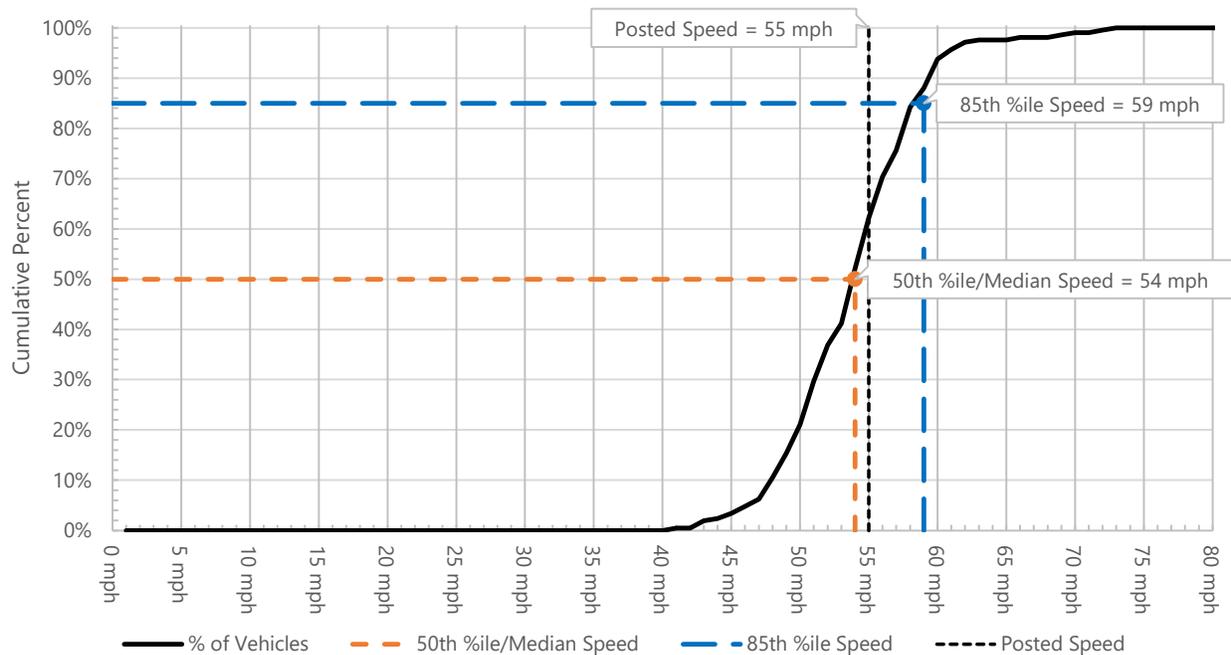
Direction	Northbound	Combined	Southbound
Total # of Vehicles	121 vehicles	211 vehicles	90 vehicles
85th %ile Speed	56 mph	56 mph	56 mph
50th %ile/Median Speed	50 mph	51 mph	51 mph
Mean Speed	51 mph	52 mph	52 mph
Standard Deviation	5.4 mph	5.0 mph	4.5 mph
Pace Limits*	46 mph - 55 mph	46 mph - 55 mph	47 mph - 56 mph
% In Pace	76%	76%	79%
Max Speed	74 mph	74 mph	67 mph
Posted Speed	55 mph	55 mph	55 mph
% Exceeding Posted Speed	17%	19%	22%

*10 mph range containing the largest number of sampled vehicles.

Spot Speed Measurement Report

Roadway	North Valley Road	Investigation #	14104
City	Outside City Limits	Date	July 31, 2025
County	Yamhill	Time	01:21 PM - 03:05 PM
Location	1.25 MI N RIBBON RIDGE	Weather	SUNNY
Direction of Travel	Northbound & Southbound	Investigator	WR (ODOT)

Combined Direction Speed Profile



Summary Statistics

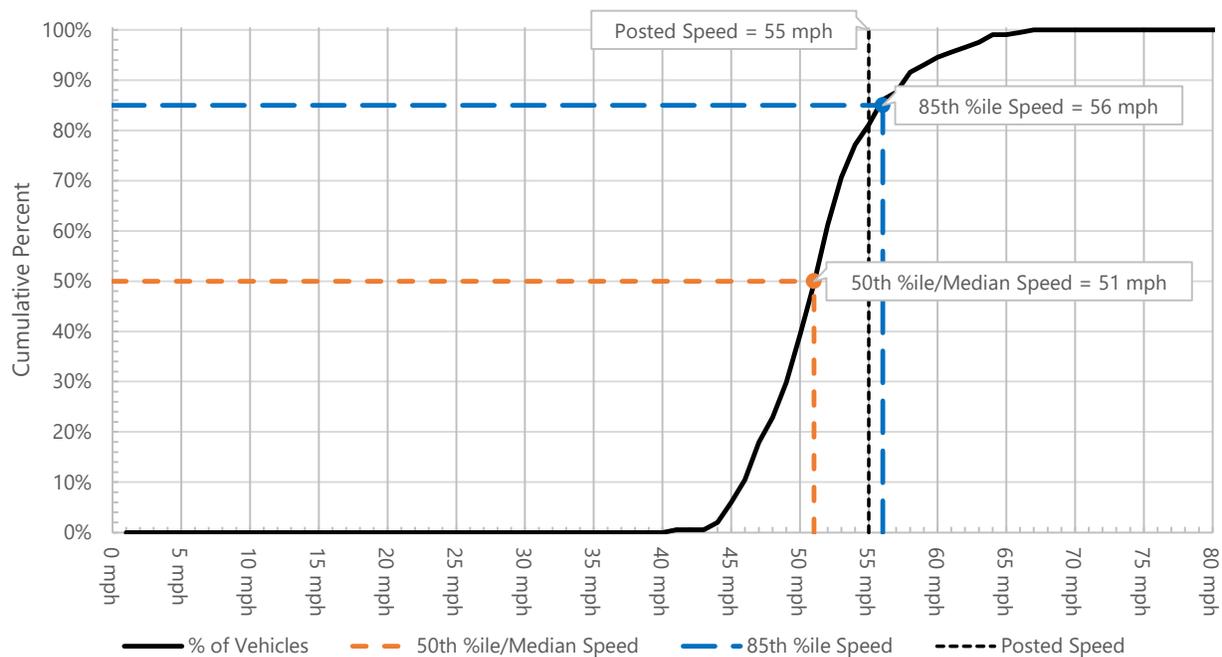
Direction	Northbound	Combined	Southbound
Total # of Vehicles	105 vehicles	209 vehicles	104 vehicles
85th %ile Speed	60 mph	59 mph	58 mph
50th %ile/Median Speed	55 mph	54 mph	53 mph
Mean Speed	55 mph	54 mph	53 mph
Standard Deviation	4.9 mph	4.9 mph	4.8 mph
Pace Limits*	51 mph - 60 mph	49 mph - 58 mph	49 mph - 58 mph
% In Pace	76%	74%	79%
Max Speed	70 mph	73 mph	73 mph
Posted Speed	55 mph	55 mph	55 mph
% Exceeding Posted Speed	48%	38%	28%

*10 mph range containing the largest number of sampled vehicles.

Spot Speed Measurement Report

Roadway	North Valley Road	Investigation #	14104
City	Outside City Limits	Date	September 04, 2025
County	Yamhill	Time	11:01 AM - 01:07 PM
Location	1.95 N RIBBON RDGE	Weather	SUNNY
Direction of Travel	Northbound & Southbound	Investigator	WR (ODOT)

Combined Direction Speed Profile



Summary Statistics

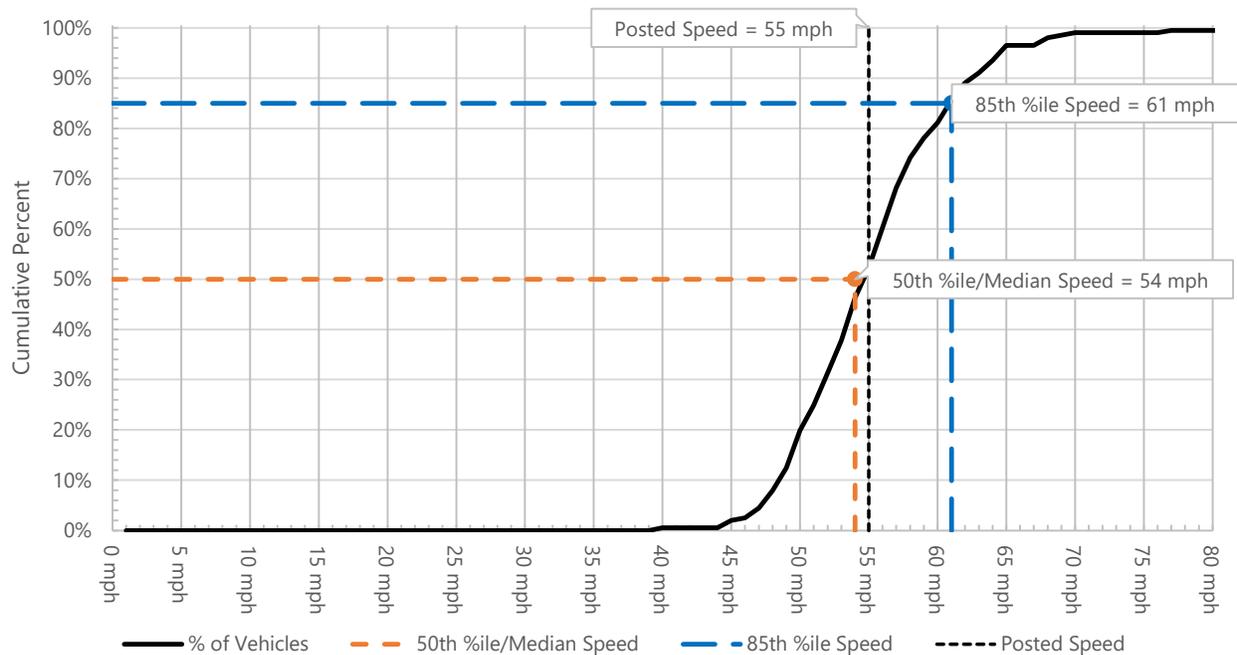
Direction	Northbound	Combined	Southbound
Total # of Vehicles	109 vehicles	201 vehicles	92 vehicles
85th %ile Speed	56 mph	56 mph	58 mph
50th %ile/Median Speed	51 mph	51 mph	51 mph
Mean Speed	51 mph	52 mph	52 mph
Standard Deviation	4.0 mph	4.6 mph	5.2 mph
Pace Limits*	47 mph - 56 mph	47 mph - 56 mph	45 mph - 54 mph
% In Pace	79%	76%	73%
Max Speed	63 mph	67 mph	67 mph
Posted Speed	55 mph	55 mph	55 mph
% Exceeding Posted Speed	17%	19%	22%

*10 mph range containing the largest number of sampled vehicles.

Spot Speed Measurement Report

Roadway	North Valley Road	Investigation #	14104
City	Outside City Limits	Date	September 04, 2025
County	Yamhill	Time	01:27 PM - 03:07 PM
Location	0.65 S ALBERTSON	Weather	SUNNY
Direction of Travel	Southbound & Northbound	Investigator	WR (ODOT)

Combined Direction Speed Profile



Summary Statistics

Direction	Southbound	Combined	Northbound
Total # of Vehicles	93 vehicles	201 vehicles	108 vehicles
85th %ile Speed	62 mph	61 mph	60 mph
50th %ile/Median Speed	55 mph	54 mph	54 mph
Mean Speed	56 mph	56 mph	55 mph
Standard Deviation	6.3 mph	5.8 mph	5.4 mph
Pace Limits*	50 mph - 59 mph	49 mph - 58 mph	49 mph - 58 mph
% In Pace	63%	66%	69%
Max Speed	84 mph	84 mph	77 mph
Posted Speed	55 mph	55 mph	55 mph
% Exceeding Posted Speed	54%	48%	43%

*10 mph range containing the largest number of sampled vehicles.