



Oregon

Tina Kotek, Governor

Department of Transportation Region 1 Traffic Section

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

From: Kathleen Freitag, P.E.
Region 1 Traffic Engineer

Kathleen M. Freitag 2026.03.13
09:31:38 -07'00'

[Region 1 Traffic Engineer](#)

Subject: Speed Zone Investigation #14038
Mount Hood Highway (US 26)
200 feet east of SE Ten Eyck Road (MP 24.66) to 350 feet west of SE Canyon
Valley Road (MP 26.60)
ODOT

A speed zone investigation has been completed at the subject location and reports thereof are attached for your review and approval. This investigation was conducted in response to a request for an investigation from Patrick Depa, Senior Planner, City of Sandy. Patrick cites; “[the reasons for investigating is traffic] entering downtown/commercial district with light and residential property close by.”.

Section A-C, from 0.25 mile west of SE Orient Drive (left) / SE Jarl Road (right) (MP 21.90) to 200 feet east of SE Ten Eyck Road (MP 24.66) was not investigated.

Section D, from 200 feet east of SE Ten Eyck Road (MP 24.66) to 0.21 mile east of SE Langensand Road (MP 25.33), is 0.67 mile in length. Context is Suburban Fringe with a culture type of Light Residential. The roadway functional classification is Urban Other Principal Arterial.

There is one intersecting street in this section. It is paved and controlled by a STOP sign.

Horizontal alignment contains one curve. Vertical alignment is mostly level.

The spot speed data for this section yields a 50th percentile speed of 47 MPH / 85th percentile speed of 54 MPH with 96% exceeding the existing 40 MPH zoning. The 2021-2023 crash rate is 0.48 with an ADT of 19.962 vehicles.

This office recommends retaining the existing 40 MPH zoning in this section. The recommendation was determined from OAR 734-020-0015 (2)(d) The 50th percentile is greater than 35 MPH.

Section E, from 0.21 mile east of SE Langensand Road (MP 25.33) to 350 feet west of SE Canyon Valley Road (MP 26.60), is 1.27 mile in length. Context is Suburban Fringe with a culture type Light Residential/Moderate Commercial. The roadway functional classification is Urban Other Principal Arterial.

There are two intersecting streets in this section. All are paved and controlled by a STOP sign.

Horizontal alignment is tangent. Vertical alignment is mildly undulating.

The spot speed data for this section yields a 50th percentile speed of 52 MPH / 85th percentile speed of 55 MPH with 14% exceeding the existing 55 MPH zoning. The 2021-2023 crash rate is 0.53 with an ADT of 18,901 vehicles.

This office recommends rescinding the existing 55 MPH zoning and establishing a 50 MPH zoning in this section. The recommendation was determined from OAR 734-020-0015 (2)(d) The 50th percentile is greater than 35 MPH. Section E contains segments both inside and outside the city limit with context remaining consistent. The section was evaluated under the urban speed zoning method as allowed under OAR 734-020-0015 (2): “Speed zone studies for highways between city limits and the urban growth boundary may be conducted as described for Standard Method / Urban Speed Zones if the highway segment has the same context and roadway characteristics as the adjacent segment within the city limits.”

OREGON DEPARTMENT OF TRANSPORTATION
Report of Speed Zone Investigation
Mount Hood Hwy (US 26)

0.25 mile west of SE Orient Drive (left) / SE Jarl Road (right) (MP 21.90) to 350 feet west of SE Canyon Valley Road (MP 26.60)
ODOT / City of Sandy / Clackamas County
December 30th, 2025

Recommendation: Rescind Order No. J9080 dated March 15th, 2017 and establish the following speed zoning:

Section:

	<u>On Mount Hood Hwy (State Highway, two-way)</u>	<u>MP</u>	<u>Existing</u>	<u>Recommended</u>	
Not Investigated					
A	<u>From:</u> 0.25 mile west of SE Orient Drive (left) / SE Jarl Road (right)	21.90	45 MPH	45 MPH	<u>1/</u>
	<u>To:</u> 150 feet west of leg to SE Champion Way	22.49			
	<u>On Mount Hood Hwy (State Highway and City Street, two-way)</u>				
	<u>From:</u> 150 feet west of leg to SE Champion Way	22.49	45 MPH	45 MPH	<u>2/</u>
	<u>To:</u> 0.15 mile west of Ruben Lane	23.31			
B	<u>From:</u> 0.15 mile west of Ruben Lane	23.31	40 MPH	40 MPH	<u>2/</u>
	<u>To:</u> 300 feet west of Bluff Road	23.81			
	<u>On Pioneer Boulevard (State Highway and City Street, one-way eastbound)</u>				
C	<u>From:</u> 300 feet west of Bluff Road	23.81	25 MPH	25 MPH	<u>2/</u>
	<u>To:</u> 200 feet east of SE Ten Eyck Road	24.66			

Per provisions of ORS811.111 Subsection 1(e) and ORS 810.200 the following segment(s) within the section above shall be 20 mph.

150 feet west of Shelley Avenue (MP 24.28)	50 feet east of Shelley Avenue (MP 24.32)	School Zone
50 feet east of Bruns Avenue (MP 24.17W)	50 feet west of Smith Avenue (MP 24.32W)	School Zone

	<u>On Proctor Boulevard (State Highway and City Street, one-way westbound)</u>				
	<u>From:</u> Bluff Road	23.87	25 MPH	25 MPH	<u>2/</u>
	<u>To:</u> 200 feet east of SE Ten Eyck Road	24.63			
Investigated	<u>On Mount Hood Hwy (State Highway and City Street, two-way)</u>				
D	<u>From:</u> 200 feet east of SE Ten Eyck Road	24.66	40 MPH	40 MPH	<u>2/</u> , <u>3/</u>
	<u>To:</u> 0.21 mile east of SE Langensand Road	25.33			
Investigated	<u>On Mount Hood Hwy (State Highway and City Street, two-way)</u>				
E	<u>From:</u> 0.21 mile east of SE Langensand Road	25.33	55 MPH	50 MPH	<u>2/</u>
	<u>To:</u> 0.45 mile east of SE Langensand Road	25.57	(Statutory)		
	<u>From:</u> 0.45 mile east of SE Langensand Road	25.57	55 MPH	50 MPH	<u>1/</u>
	<u>To:</u> 350 feet west of SE Canyon Valley Road	26.60	(Statutory)		

- 1/ ODOT - Road Authority
2/ ODOT - Road Authority / City of Sandy - Interested Jurisdiction
3/ MP Eq: MP 24.70 (back) = MP 24.92 (ahead)

Historical Background:

Investigation Requested by: Patrick Depa, Senior Planner, City of Sandy
 Requested Speed: 25 MPH (Section D), 40 MPH (Section E)
 Previous Action: Established Order No. J9080 Dated March 15th, 2017

Historical Background:

Investigation Requested by: Patrick Depa, Senior Planner, City of Sandy

Requested Speed: 25 MPH (Section D), 40 MPH (Section E)

Previous Action: Established Order, Res, Delegated Authority

<u>Investigation:</u>	(Not Investigated) <u>Section A-C</u>	(Investigated) <u>Section D</u>	(Investigated) <u>Section E</u>
Section Length	•	0.67 mile	1.27 mile
50% Speed	•	47 MPH	52 MPH
85% Speed	•	54 MPH	55 MPH
2021-2023 Crash Rate*	•	0.48	0.53
2021 Average Daily Traffic	•	19962	18901
Context	•	Suburban Fringe	Suburban Fringe
Culture Type and Density	•	Light Residential	Light Residential/ Moderate Commercial
Horizontal Alignment	•	One	Tangent
Vertical Alignment	•	Mostly Level	Mildly Undulating
Curve Signs & Speed Riders	•	None	None
Existing Posted Speed	•	40 MPH	55 MPH
Recommended Speed	•	40 MPH	50 MPH

*Crashes per Million Vehicle Miles

Roadway Data:

Surface	•	AC	AC
Width	•	75-90 ft. (CB to GR) for 0.06 mile 66-86 ft. (PE to GR) for 0.39 mile 70-86 ft. (PE to PE) for 0.22 mile	65-78 ft. (PE to GR) for 0.15 mile 64-80 ft. (GR to GR) for 0.33 mile 66-86 ft. (PE to PE) for 0.72 mile 68-78 ft. (GR to GR) for 0.07 mile
Lanes	•	4-5	4-5
Parking	•	Not Prohibited	Not Prohibited
Shoulders	•	4-14 ft. Paved	4-20 ft. Paved
Intersecting Streets	•	1	2
Paved	•	1	2
Stopped	•	1	2
Signalized and Other	•	0	0
Pedestrian Activity	•	Low	Low
Bicycle Activity	•	Low	Low
Bicycle Lanes	•	0%	0%
Sidewalk	•	4%	0%
Marked Crosswalks	•	0	0
Enhanced Crosswalks	•	0	0
Transit	•	No	No

	(Not Investigated) <u>Section A-C</u>	(Investigated) <u>Section D</u>	(Investigated) <u>Section E</u>
<u>Crash Data:</u>			
Study Period	•	1/1/21 - 12/31/23	1/1/21 - 12/31/23
2021-2023 Total Crashes	•	7	14
2021-2023 Fatal K Crashes	•	0	0
2021-2023 Serious Injury A Crashes	•	1	1
2021-2023 Injury B and C Crashes	•	1	8
2021-2023 No Injury O Crashes	•	5	5
2021-2023 Section Crash Rate (R)	•	0.48	0.53
2023 Comparable Crash Rate (r) <u>1/</u>	•	2.36	1.37
Deviation (R-r)	•	— — —	— — —

Spot Speed Data:

50% Speed	•	47 MPH	52 MPH
85% Speed	•	54 MPH	55 MPH
Pace Limits <u>2/</u>	•	41 MPH - 50 MPH	47 MPH - 56 MPH
% in Pace	•	67%	91%
Maximum Speed	•	65 MPH	62 MPH
Posted Speed	•	40 MPH	55 MPH
% Exceeding Posted Speed	•	96%	14%
Computed 85th Speed <u>3/</u>	•	54 MPH	55 MPH
Recommended Speed	•	40 MPH	50 MPH

- 1/ Section D: Other Principal Arterial, Urban City = 2.36
 Section E: Other Principal Arterial, Urban City (0.23 mi) = 2.36, Urban Fringe (0.95 mi) = 1.18, Rural Area (0.09 mi) = 0.79; Weighted Average = 1.37
- 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:

Section: D

- 1) OAR 734-020-0015 (2)(d)
- 2) Percentage exceeding posted speed
- 3) Pace limits
- 4) Percentage in pace
- 5) 50th percentile
- 6) City request and concerns

Section: E

- 1) OAR 734-020-0015 (2)(d)
- 2) Pace limits
- 3) Percentage in pace
- 4) 50th percentile
- 5) Percentage exceeding posted speed
- 6) City request and concerns

CRASH LISTING

Roadway: <u>Mount Hood Hwy (US 26)</u>		Collision Type												Classification					
City: <u>City of Sandy</u>		Angle	Head-on	Rear-end	Sideswipe Meeting	Sideswipe Overtaking	Turning Movements	Parking Maneuver	Non-Collision	Fixed-Other Object	Pedestrian	Backing	Other	Bicycle Crashes*	All Crashes*	Fatal K	Serious Injury A	Injury B and C	No Injury O
County: <u>Clackamas County</u>																			
From: <u>0.25 mile west of SE Orient Drive (left) / SE Jarl Road (right) (MP 21.90)</u>																			
To: <u>350 feet west of SE Canyon Valley Road (MP 26.60)</u>																			
Study Period: <u>1/1/21 to 12/31/23</u>																			
		Year	Not Investigated																
Section A-C		2021																	
From: <u>0.25 mile west of SE Orient Drive (left) / SE Jarl Road (right)</u>		2022																	
To: <u>200 feet east of SE Ten Eyck Road</u>		2023																	
Total																			
Section D		2021					1								1		1		
From: <u>200 feet east of SE Ten Eyck Road</u>		2022					2			1					3				3
To: <u>0.21 mile east of SE Langensand Road</u>		2023					2			1					3			1	2
Total							5			2					7		1	1	5
Section E		2021					3			2					5			4	1
From: <u>0.21 mile east of SE Langensand Road</u>		2022		1	1		1		1	1					5	1			4
To: <u>350 feet west of SE Canyon Valley Road</u>		2023			2		2								4			4	
Total				1	3		6			1	3				14	1		8	5
From: _____		2021																	
To: _____		2022																	
To: _____		2023																	
Total																			
From: _____		2021																	
To: _____		2022																	
To: _____		2023																	
Total																			
From: _____		2021																	
To: _____		2022																	
To: _____		2023																	
Total																			

*Bicycle Crashes are included within the other collision types and are not added twice.

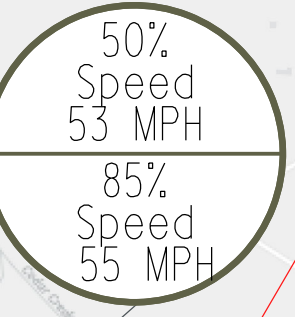
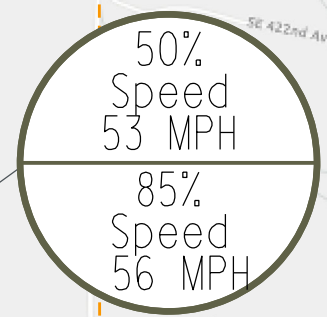
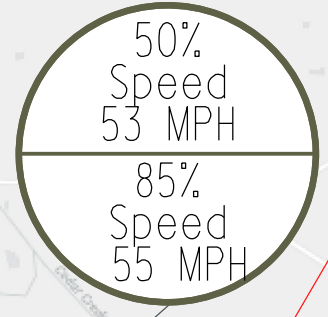
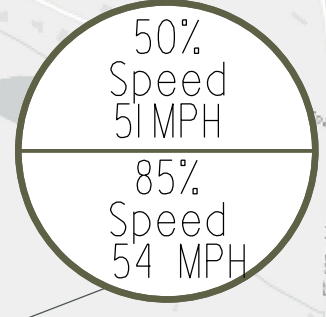
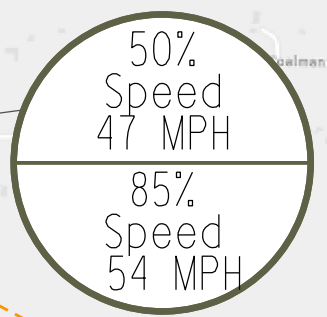
Recommended

Section D

Section E

Investigated

Investigated
No Change



MP 24.66

MP 25.12

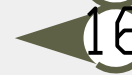
MP 25.59

MP 25.33

MP 25.9

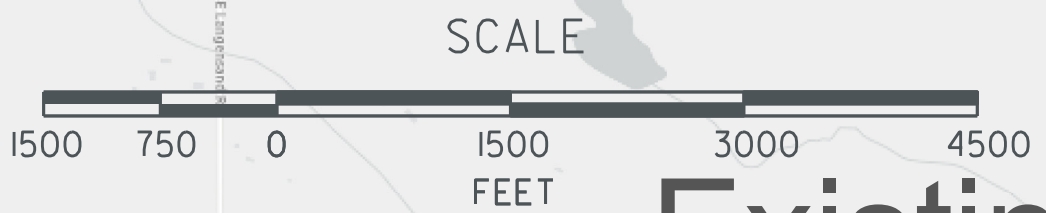
MP 26.30

MP 26.60



LEGEND

	20 MPH
	25 MPH
	30 MPH
	35 MPH
	40 MPH
	45 MPH
	50 MPH
	55 MPH
	60 MPH
	65 MPH
	70 MPH
	City Limits



Existing

Mt Hood Hwy (US26)
ODOT

January 27th, 2026



Typical Views
Mount Hood Hwy (US 26)
From 200 feet east of SE Ten Eyck Road to 350 feet west of SE Canyon Valley Road
ODOT / City of Sandy
Image Date: August 2024 (via Google Maps)



(1) Looking east from 200 feet east of SE Ten Eyck Road.



(2) Looking west from 200 feet east of SE Ten Eyck Road.

Typical Views
Mount Hood Hwy (US 26)
From 200 feet east of SE Ten Eyck Road to 350 feet west of SE Canyon Valley Road
ODOT / City of Sandy
Image Date: August 2024 (via Google Maps)



(3) Looking east from 300 feet east of SE Ten Eyck Road.



(4) Looking west from 300 feet east of SE Ten Eyck Road.

Typical Views
Mount Hood Hwy (US 26)
From 200 feet east of SE Ten Eyck Road to 350 feet west of SE Canyon Valley Road
ODOT / City of Sandy
Image Date: November 18th, 2026



(5) Looking east from SE Langensand Road.



(6) Looking west from SE Langensand Road.

Typical Views
Mount Hood Hwy (US 26)
From 200 feet east of SE Ten Eyck Road to 350 feet west of SE Canyon Valley Road
ODOT / City of Sandy
Image Date: November 18th, 2026



(7) Looking east from 0.21 mile east of SE Langensand Road.



(8) Looking west from 0.21 mile east of SE Langensand Road.

Typical Views
Mount Hood Hwy (US 26)
From 200 feet east of SE Ten Eyck Road to 350 feet west of SE Canyon Valley Road
ODOT / City of Sandy
Image Date: November 18th, 2026



(9) Looking east from SE Vista Loop Drive (west).



(10) Looking west from SE Vista Loop Drive (west).

Typical Views
Mount Hood Hwy (US 26)
From 200 feet east of SE Ten Eyck Road to 350 feet west of SE Canyon Valley Road
ODOT / City of Sandy
Image Date: November 18th, 2026



(11) Looking east from SE Vista Loop Drive (east).



(12) Looking west from SE Vista Loop Drive (east).

Typical Views
Mount Hood Hwy (US 26)
From 200 feet east of SE Ten Eyck Road to 350 feet west of SE Canyon Valley Road
ODOT / City of Sandy
Image Date: November 18th, 2026



(13) Looking east from 0.22 mile west of SE Canyon Valley Road.



(14) Looking west from 0.22 mile west of SE Canyon Valley Road.

Typical Views
Mount Hood Hwy (US 26)
From 200 feet east of SE Ten Eyck Road to 350 feet west of SE Canyon Valley Road
ODOT / City of Sandy
Image Date: November 18th, 2026



(15) Looking east from 350 feet west of SE Canyon Valley Road.

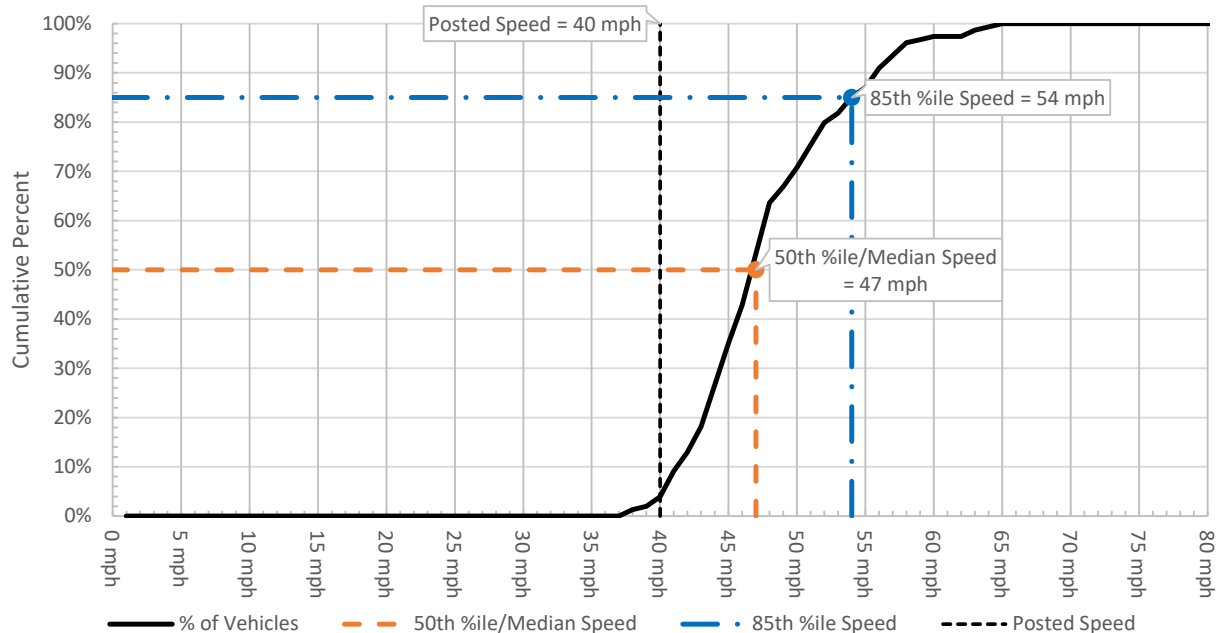


(16) Looking west from 350 feet west of SE Canyon Valley Road.

Spot Speed Measurement Report

Roadway	US26	Date	December 29, 2025
City	Sandy	Time	01:23 PM - 02:01 PM
County	Clackamas	Weather	Sunny
Location	SE Langensand Road	Investigator	Lisa Nguyen
Direction of Travel	Eastbound & Westbound	Agency/Company	ODOT

Combined Direction Speed Profile



Summary Statistics

Direction	Eastbound	Combined	Westbound
Total # of Vehicles	78 vehicles	154 vehicles	76 vehicles
50th %ile/Median Speed	46 mph	47 mph	48 mph
85th %ile Speed	51 mph	54 mph	56 mph
Mean Speed	47 mph	48 mph	49 mph
Standard Deviation	5 mph	6 mph	6 mph
Pace Limits*	41 mph - 50 mph	41 mph - 50 mph	44 mph - 53 mph
% In Pace	76%	67%	66%
Max Speed	63 mph	65 mph	65 mph
Posted Speed	40 mph	40 mph	40 mph
% Exceeding Posted Speed	92%	96%	100%

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

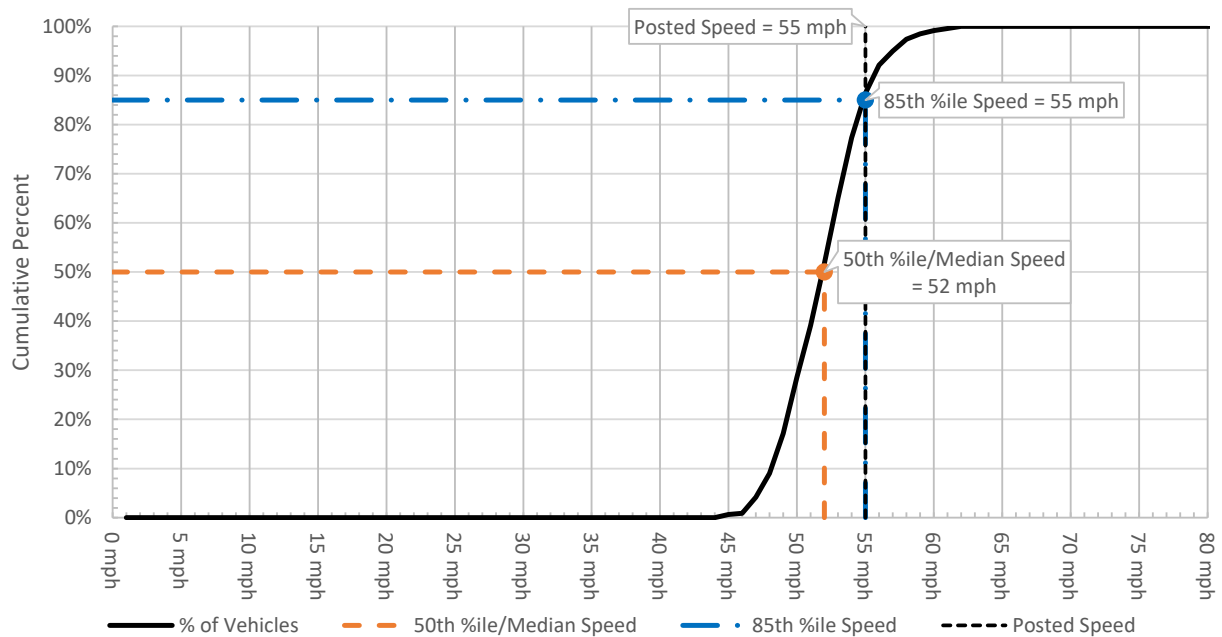
Section E

Oregon Department of Transportation

Spot Speed Measurement Report

Roadway	US26	Date	November 04, 2025
City	Sandy	Time	11:22 AM - 01:49 PM
County	Clackamas	Weather	Sunny/Cloudy
Location	See individual graphs for specific location.	Investigator	Zach Williams
Direction of Travel	Eastbound & Westbound	Agency/Company	ODOT

Combined Direction Speed Profile



Summary Statistics

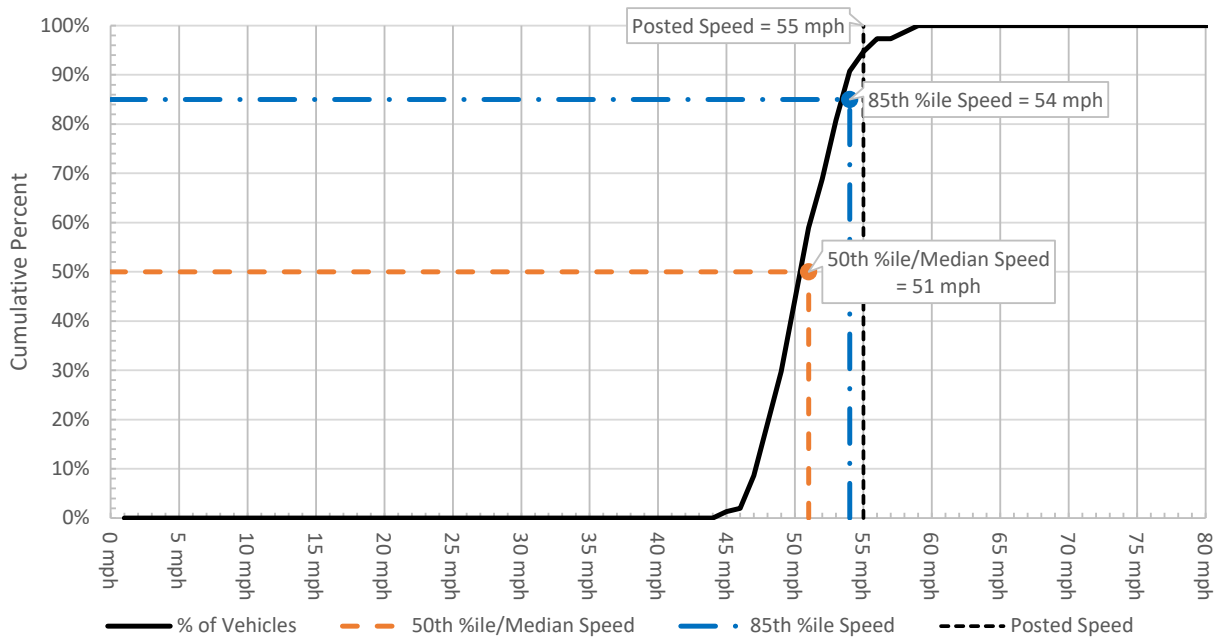
Direction	Eastbound	Combined	Westbound
Total # of Vehicles	228 vehicles	455 vehicles	227 vehicles
50th %ile/Median Speed	53 mph	52 mph	52 mph
85th %ile Speed	56 mph	55 mph	54 mph
Mean Speed	53 mph	52 mph	52 mph
Standard Deviation	3.1 mph	3.0 mph	2.7 mph
Pace Limits*	48 mph - 57 mph	47 mph - 56 mph	47 mph - 56 mph
% In Pace	89%	91%	96%
Max Speed	62 mph	62 mph	59 mph
Posted Speed	55 mph	55 mph	55 mph
% Exceeding Posted Speed	19%	14%	8%

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

Spot Speed Measurement Report

Roadway	US26	Date	November 04, 2025
City	Sandy	Time	12:55 PM - 01:49 PM
County	Clackamas	Weather	Sunny/Cloudy
Location	SE Vista Loop Dr	Investigator	Zach Williams
Direction of Travel	Eastbound & Westbound	Agency/Company	ODOT

Combined Direction Speed Profile



Summary Statistics

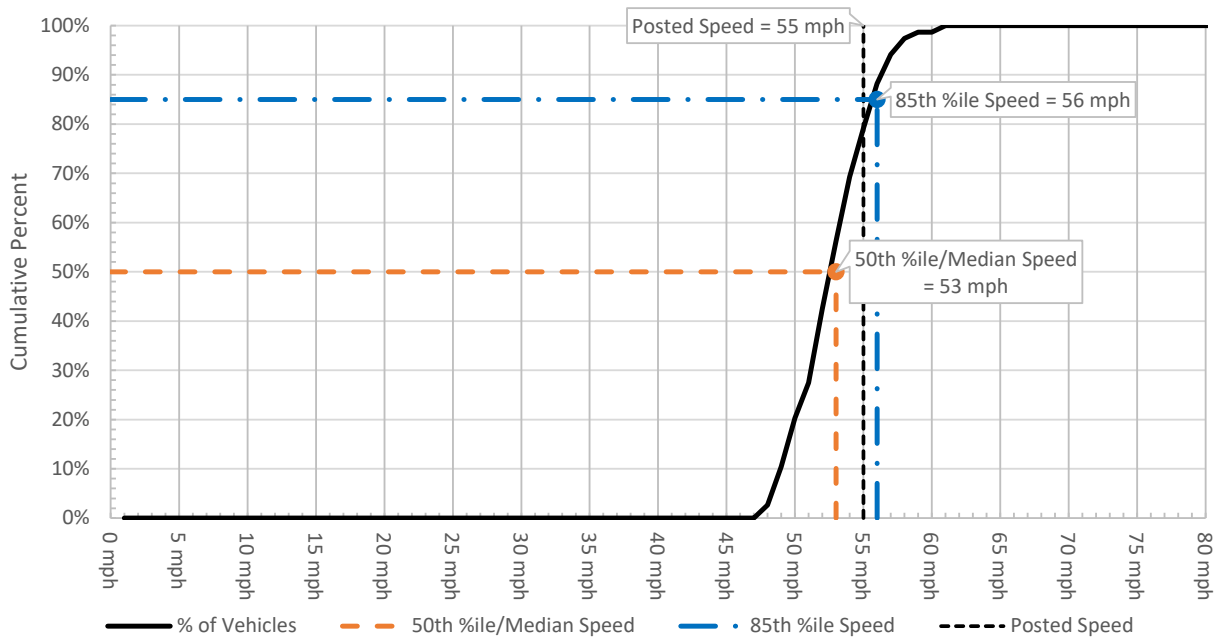
Direction	Eastbound	Combined	Westbound
Total # of Vehicles	75 vehicles	151 vehicles	76 vehicles
50th %ile/Median Speed	52 mph	51 mph	50 mph
85th %ile Speed	54 mph	54 mph	53 mph
Mean Speed	52 mph	51 mph	50 mph
Standard Deviation	3 mph	3 mph	3 mph
Pace Limits*	47 mph - 56 mph	47 mph - 56 mph	45 mph - 54 mph
% In Pace	96%	95%	96%
Max Speed	58 mph	59 mph	59 mph
Posted Speed	55 mph	55 mph	55 mph
% Exceeding Posted Speed	7%	5%	4%

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

Spot Speed Measurement Report

Roadway	US26	Date	November 04, 2025
City	Sandy	Time	12:06 PM - 12:42 PM
County	Clackamas	Weather	Sunny/Cloudy
Location	MP25.9	Investigator	Zach Williams
Direction of Travel	Eastbound & Westbound	Agency/Company	ODOT

Combined Direction Speed Profile



Summary Statistics

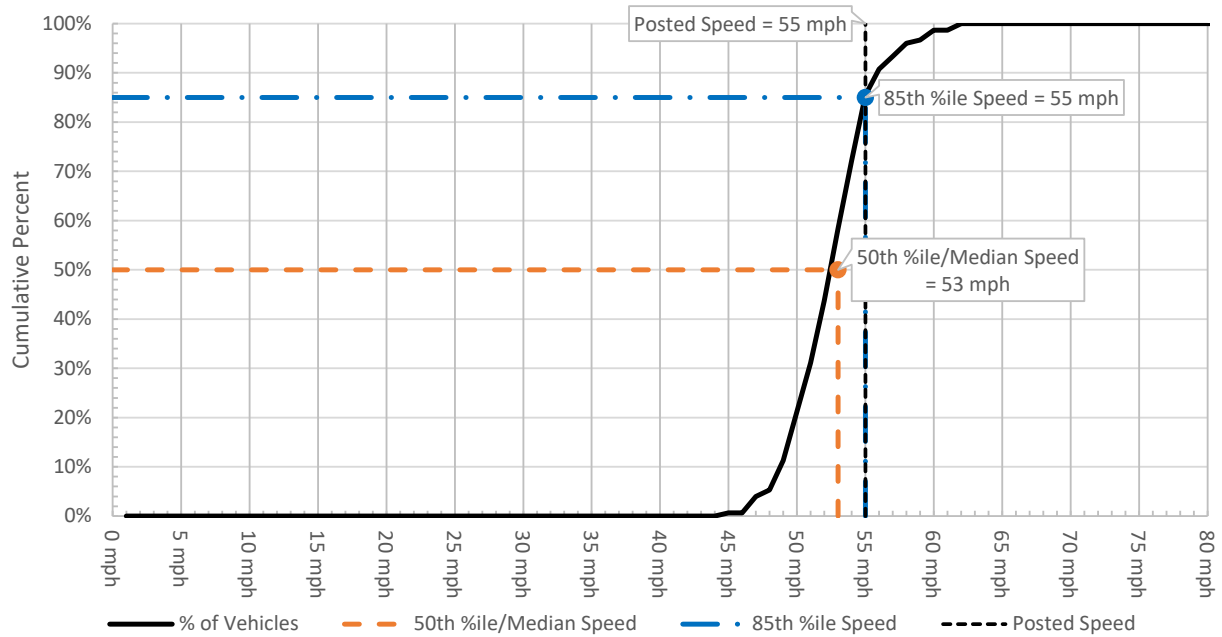
Direction	Eastbound	Combined	Westbound
Total # of Vehicles	77 vehicles	153 vehicles	76 vehicles
50th %ile/Median Speed	54 mph	53 mph	52 mph
85th %ile Speed	57 mph	56 mph	55 mph
Mean Speed	54 mph	53 mph	52 mph
Standard Deviation	3 mph	3 mph	2 mph
Pace Limits*	49 mph - 58 mph	49 mph - 58 mph	47 mph - 56 mph
% In Pace	95%	95%	99%
Max Speed	61 mph	61 mph	58 mph
Posted Speed	55 mph	55 mph	55 mph
% Exceeding Posted Speed	32%	21%	9%

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

Spot Speed Measurement Report

Roadway	US26	Date	November 04, 2025
City	Sandy	Time	11:22 AM - 11:58 AM
County	Clackamas	Weather	Sunny/Cloudy
Location	MP26.3	Investigator	Zach Williams
Direction of Travel	Eastbound & Westbound	Agency/Company	ODOT

Combined Direction Speed Profile



Summary Statistics

Direction	Eastbound	Combined	Westbound
Total # of Vehicles	76 vehicles	151 vehicles	75 vehicles
50th %ile/Median Speed	53 mph	53 mph	53 mph
85th %ile Speed	57 mph	55 mph	55 mph
Mean Speed	53 mph	53 mph	52 mph
Standard Deviation	3 mph	3 mph	3 mph
Pace Limits*	49 mph - 58 mph	49 mph - 58 mph	47 mph - 56 mph
% In Pace	86%	91%	96%
Max Speed	62 mph	62 mph	58 mph
Posted Speed	55 mph	55 mph	55 mph
% Exceeding Posted Speed	18%	15%	11%

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