

STANDARD REPORT OF SPEED ZONE INVESTIGATION:

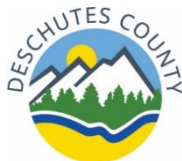
**MOUNTAIN VIEW ROAD &
BUFFALO DRIVE**

DESCHUTES COUNTY, OREGON



RENEWS: JUNE 30, 2026

Date Signed: 10/29/2025



**ROAD
DEPARTMENT**

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DESCHUTES COUNTY ROAD DEPARTMENT

Standard Report of Speed Zone Investigation

Mountain View Road & Buffalo Drive
Deschutes County, Oregon
10/20/2025

Recommendation: Establish the following speed zoning:

Section Investigated:

Section A:

Mountain View Road
Road No. 01226
Segment No. 30

From: MP 1.07 (Buffalo Dr)

To: MP 2.30 (End County Maintenance)

Existing

55 MPH

Recommended

35 MPH

Historical Background:

Segment presently signed at 45mph,
although no speed zone order exists. 25mph
Residence District established in 2017 on
Segment No. 20 (Mountain View Rd to
Westerly End County Maintenance).

Previous Action:

No record of order establishing 45mph
speed available. Signs have been maintained
since 2011 or earlier.

Section B:

Buffalo Drive
Road No. 01225
Segment No. 10 & 20

From: MP 0 at Wilt Rd

To: MP 1.38 at Mountain View Rd

45 MPH

35 MPH

Historical Background:

45mph speed zone established in 1998.

Previous Action:

Order No. 98-108



Investigation

Section Length, miles
 Measured 85% Speed, MPH
 Measured 50% Speed, MPH
 2021-2023 Crash Rate
 Average Daily Traffic, vpd
 Context¹
 Land Use Density
 Culture Type
 Horizontal Alignment
 Vertical Alignment
 Curve Signs & Speed Riders
 Existing Posted Speed, MPH
 Recommended Speed, MPH

Section A

1.23
 48.1
 36.2
 0
 236 (Year 2023)
 Rural Community
 NA
 Rural
 Low Curvature
 Mostly Level
 None
 45
 35

Section B

1.38
 48.8
 42.5
 1.3
 389 (Year 2025)
 Rural Community
 NA
 Rural
 Reversing Curve into Tangent
 Mildly Undulating
 Curve Warning w/ 30mph Adv.
 Speed
 45
 35

Roadway Data

Surface Type
 Number of Lanes
 Width, ft
 Parking
 Shoulders
 Business or Residence District?
 Maintenance Jurisdiction

Paved
 2
 24
 Not Prohibited
 2 feet each side, gravel
 Yes, Residence
 Deschutes County

Paved
 2
 26
 Not Prohibited
 2 feet each side, gravel
 No
 Deschutes County
 Appaloosa Dr, Cayuse Pl, Sorrel Dr,
 Pinto Dr, Longhorn Dr, Mustang
 Dr, Doggie Dr, Annies Dr²

Intersecting Public Streets²

Buffalo Dr, Club Rd (2)

Paved
 Stop-Controlled
 Signalized or Other Controlled
 Pedestrian Activity
 Bicycle Activity
 Bicycle Lanes or Shoulder Bikeways
 Sidewalk, % of Section Length
 Bicycle Lane, % of Section Length
 Number of Marked Crosswalks
 Number of Enhanced Crosswalks
 Number of Transit Stops

Yes
 Yes
 No
 Yes
 Yes
 No
 None
 None
 0
 0
 0

Yes
 Yes
 No
 Yes
 Yes
 No
 None
 None
 0
 0
 0

Crash Data

Study Period

2021-2023

2021-2023

Total Crashes

Fatal (K) Crashes
 Serious Injury (A) Crashes
 Injury (B) and (C) Crashes
 No Injury (O) Crashes

0
 0
 0
 0

0
 0
 0
 1

Section Crash Rate (R),
 crashes/million vehicles

0

1.3

Comparable Crash Rate (r),
 crashes/million vehicles ³

N/A

N/A

Crash Rate Deviation (R-r),
 crashes/million vehicles

N/A

N/A



Investigation**Section A****Section B****Spot Speed Data:**

| | | |
|--------------------------------------|-------|-------|
| 85% Speed, MPH | 48.1 | 48.8 |
| 50% Speed, MPH | 36.2 | 42.5 |
| Pace limits ⁴ | 30-39 | 40-49 |
| % in Pace | 52.5 | 59.2 |
| Maximum Speed, MPH | 99.7 | 70 |
| Posted Speed, MPH | 55 | 45 |
| % Exceeding Posted Speed | 16 | 32 |
| Computed 85% Speed, MPH ⁵ | 48.1 | 48.8 |
| Recommended Speed, MPH | 35 | 35 |

Notes:

1. Both Buffalo Drive and Mountain View Road are located in the Squaw Creek Canyon Recreational Estates subdivision, with RR10 zoning.
2. All intersecting streets along Buffalo Drive are public roadways, except for Annies Drive (private access). All roadway approaches are stop-controlled.
3. Comparable Crash Rates are not available.
4. Ten mile per hour range containing the largest number of sampled vehicles.
5. Computed Speed is 85th-percentile speed minus Crash Rate Deviation (R-r)

Factors Influencing Recommendation:**Section A: Mountain View Road (MP 1.07 to MP 2.30)**

1. A Residence District designation allows setting speeds lower than the 85th percentile where development density meets statutory residence criteria per ORS 801.430. A Residence District designation presently exists between MP 0.00 and MP 1.07, as a result of a determination made by the Deschutes County Engineer in 2017.
2. The measured 50th percentile speed of 36.2 MPH indicates a speed distribution that supports a lower posted speed than what presently exists along the roadway segment. The Recommended Speed is within the range allowable in the Speed Zone Manual¹ (5 MPH below 50th Percentile).
3. Pedestrian and bicycle activity were observed along the corridor, mostly from residents who live in the area. The roadway cross-section has no sidewalks and paved shoulders less than three feet in width. Accordingly, there is a higher potential for severe human-vehicle and/or cyclist-vehicle conflicts, especially at higher vehicle speeds.
4. The recommended speed is consistent with nearby posted speeds on similar rural community roads in Deschutes County. A uniform 35 MPH posted speed recommendation is justified throughout the travel corridor along Buffalo Drive and Mountain View Road.

Section B: Buffalo Drive (MP 0.00 to MP 1.38)

1. Along Buffalo Drive, the measured 85th percentile speed of 48.8 MPH and 50th percentile speed of 42.5 MPH do not support a posted speed of 35 MPH, according to guidance in OAR 734-020.0015. However, given the existing and proposed posted speeds on nearby Mountain View Rd, the 35 MPH designation is appropriate.
2. Numerous intersecting residential streets and driveway accesses exist along the roadway segment. While the spacing of these accesses does not meet the minimum spacing for a residence district determination, their relatively high density increases potential for intersectional and rear-end conflicts.
3. Pedestrian and bicycle activity were observed along the corridor, mostly from residents who live in the area. The roadway cross-section has no sidewalks and paved shoulders less than three

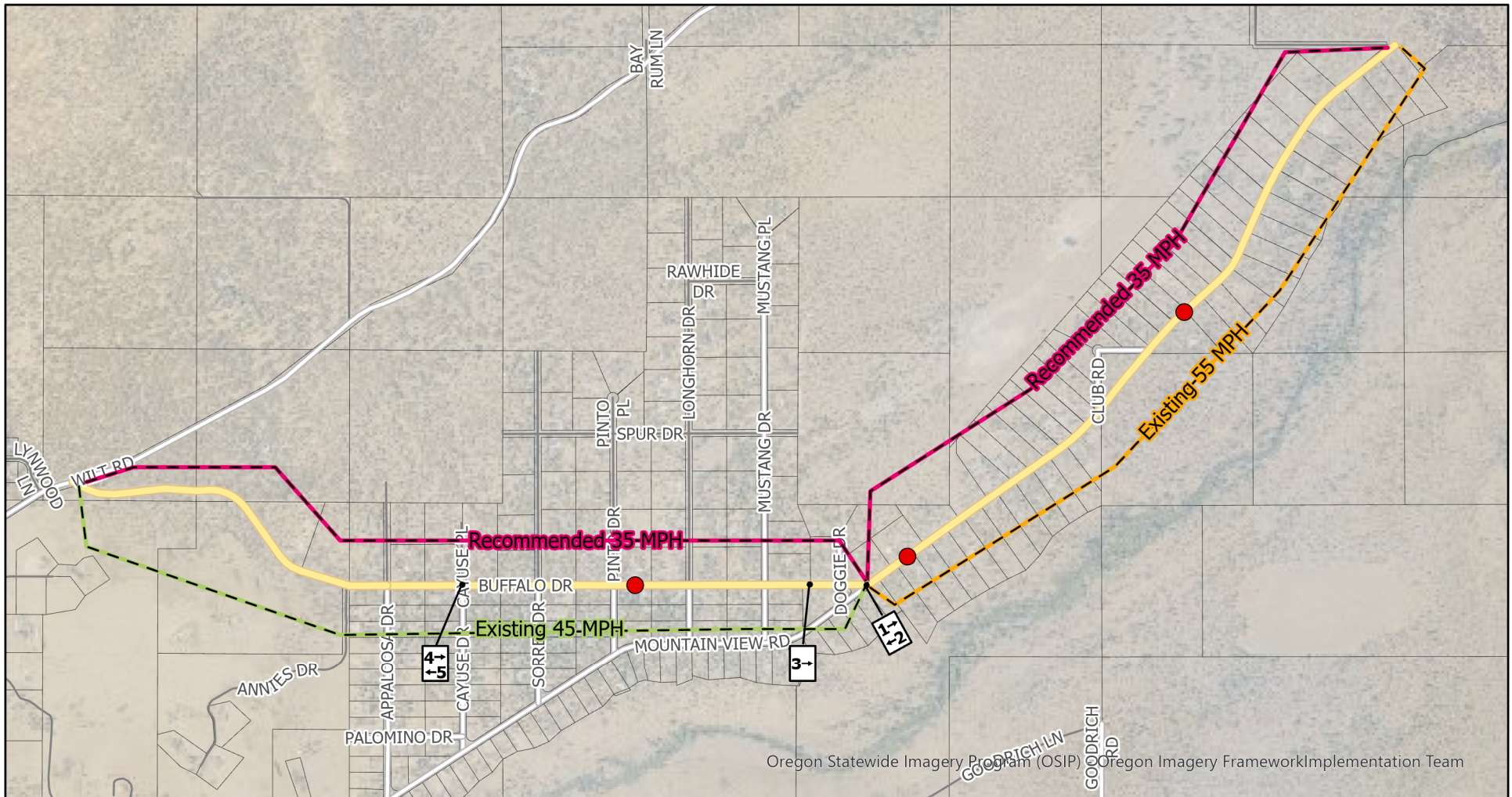
¹ Speed Zone Manual (2025). Oregon Department of Transportation (ODOT), May 2025.

feet in width. Accordingly, there is a higher potential for severe human-vehicle and/or cyclist-vehicle conflicts, especially at higher vehicle speeds.

4. The most recent five-year crash history (2020–2024) indicates one reported property damage only (PDO) crash that was not speed-involved, according to the crash report attributes.
5. While the recommended speed posting of 35 MPH is not within the suggested range according to guidance in the Speed Zone Manual², it is maintained for the following reasons:
 - A. It is consistent with lower speed postings on adjacent residential roads and residence districts, supporting road user expectancy and compliance.
 - B. Given the classification of the roadway (Rural Local), there are no geometric improvements planned for this segment of roadway, and no speed management countermeasures are expected to make an appreciable difference in the frequency of vehicle speeding.
 - C. Enforcement has already been employed on numerous occasions at the request of nearby residents, and Deschutes County Road Department has implemented temporary radar speed feedback trailers on a seasonal basis. Neither effort has made a substantial effect on the occurrence of speeding. Residents in the area continue to express concerns with the current vehicle speeds.

² Speed Zone Manual (2025). *Oregon Department of Transportation (ODOT)*, May 2025.












Oregon Statewide Imagery Program (OSIP) Oregon Imagery Framework Implementation Team

NOTES:

MOUNTAIN VIEW RD WEST OF BUFFALO DR IS PRESENTLY A STATUTORY RESIDENCE DISTRICT WITH A POSTED SPEED OF 25MPH AND WAS NOT INVESTIGATED.

LEGEND

-  Photos
-  Spot Speed Check
-  Study Segment
-  County Roads
-  Non-County Roads
-  State Highway
-  Tax lot Boundary

0 0.13 0.25 0.5 Miles



| SPEED, MPH | |
|------------|--|
| 20 | |
| 25 | |
| 30 | |
| 35 | |
| 40 | |
| 45 | |
| 50 | |
| 55 | |
| 60 | |
| 65 | |
| 70 | |



ROAD DEPARTMENT

TITLE: SPEED ZONE INVESTIGATION
MOUNTAIN VIEW RD & BUFFALO DR

DATE:
10/20/25

SCALE:
AS SHOWN

DRAFTER: B. WRUCK
REVIEWED BY: C. SMITH

Site Photos
Mountain View Road
Deschutes County
July 30th, 2025



Photo 1: Looking North-East from intersection between Mountain View Rd. and Buffalo Dr



Photo 2: Looking South-West at the intersection between Mountain View Rd. and Buffalo Dr

Site Photos
Buffalo Drive
Deschutes County
July 30th, 2025



Photo 3: Looking East at intersection between Buffalo Dr and Mountain View Rd

Site Photos
Buffalo Drive
Deschutes County
July 30th, 2025



Photo 4: Looking East from intersection between Buffalo Dr and Cayuse Dr



Photo 5: Looking West from intersection between Buffalo Dr and Cayuse Dr

CRASH SUMMARY TABLE

ROADWAY: Mt. View Rd
SECTION: 30
ROAD NO.: 01226
MAINT. ZONE: 1
COUNTY: Deschutes
FROM: MP 0.07
TO: MP 1.07
YEARS: 2020-2024

| COLLISION TYPE | | | | | | | | | | | | | | | CRASH CLASSIFICATION | | | |
|----------------------------------|----------|----------|----------|-------------------|----------------------|------------------|------------------|---------------|------------------------------|------------|----------|---------------|----------------------|-------------|----------------------|----------------|------------------|-----------|
| | ANGLE | HEAD-ON | REAR-END | SIDESWIPE-MEETING | SIDESWIPE-OVERTAKING | TURNING MOVEMENT | PARKING MANEUVER | NON-COLLISION | FIXED-OBJECT OR OTHER-OBJECT | PEDESTRIAN | BACKING | MISCELLANEOUS | BICYCLE ¹ | ALL CRASHES | FATAL | SERIOUS INJURY | NON-FATAL INJURY | NO INJURY |
| CODE | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | - | & | | | K | A | B/C | O |
| YEAR: 2020 | | | | | | | | | | | | | | 0 | | | | |
| 2021 | | | | | | | | | | | | | | 0 | | | | |
| 2022 | | | | | | | | | | | | | | 0 | | | | |
| 2023 | | | | | | | | | | | | | | 0 | | | | |
| 2024 | | | | | | | | | | | | | | 0 | | | | |
| TOTAL | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| AVERAGE ANNUAL CRASH RATE | | | | | | | | | | | | | | | 0 | | | |

NOTES:

1) No reported crashes within the study area based on available 5-year crash data.

Compiled By: CWA

Date: 8/22/2025



ROAD
DEPARTMENT

CRASH SUMMARY TABLE

ROADWAY: Buffalo Dr.
SECTION: 10 & 20
ROAD NO.: 01225
MAINT. ZONE: 1
COUNTY: Deschutes
FROM: MP 0
TO: MP 1.38
YEARS: 2020-2024

| COLLISION TYPE | | | | | | | | | | | | | | | CRASH CLASSIFICATION | | | |
|--------------------------------------|----------|----------|----------|-------------------|----------------------|------------------|------------------|---------------|------------------------------|------------|----------|---------------|----------------------|-------------|----------------------|----------------|------------------|-----------|
| | ANGLE | HEAD-ON | REAR-END | SIDESWIPE-MEETING | SIDESWIPE-OVERTAKING | TURNING MOVEMENT | PARKING MANEUVER | NON-COLLISION | FIXED-OBJECT OR OTHER-OBJECT | PEDESTRIAN | BACKING | MISCELLANEOUS | BICYCLE ¹ | ALL CRASHES | FATAL | SERIOUS INJURY | NON-FATAL INJURY | NO INJURY |
| CODE | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | - | & | | | K | A | B/C | O |
| YEAR: 2020 | | | | | | | | | | | | | | 0 | | | | |
| 2021 | | | | | | | | | 1 | | | | | 1 | | | | 1 |
| 2022 | | | | | | | | | | | | | | 0 | | | | |
| 2023 | | | | | | | | | | | | | | 0 | | | | |
| 2024 | | | | | | | | | | | | | | 0 | | | | |
| TOTAL | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| AVERAGE ANNUAL CRASH RATE 0.2 | | | | | | | | | | | | | | | | | | |

NOTES:

- 1) Bicycle crashes are only counted in crashes in which a pedestrian or bicycle was struck by a motor vehicle, not where they might have been involved but not struck.

Compiled By: CWA

Date: 8/22/2025



ROAD
DEPARTMENT

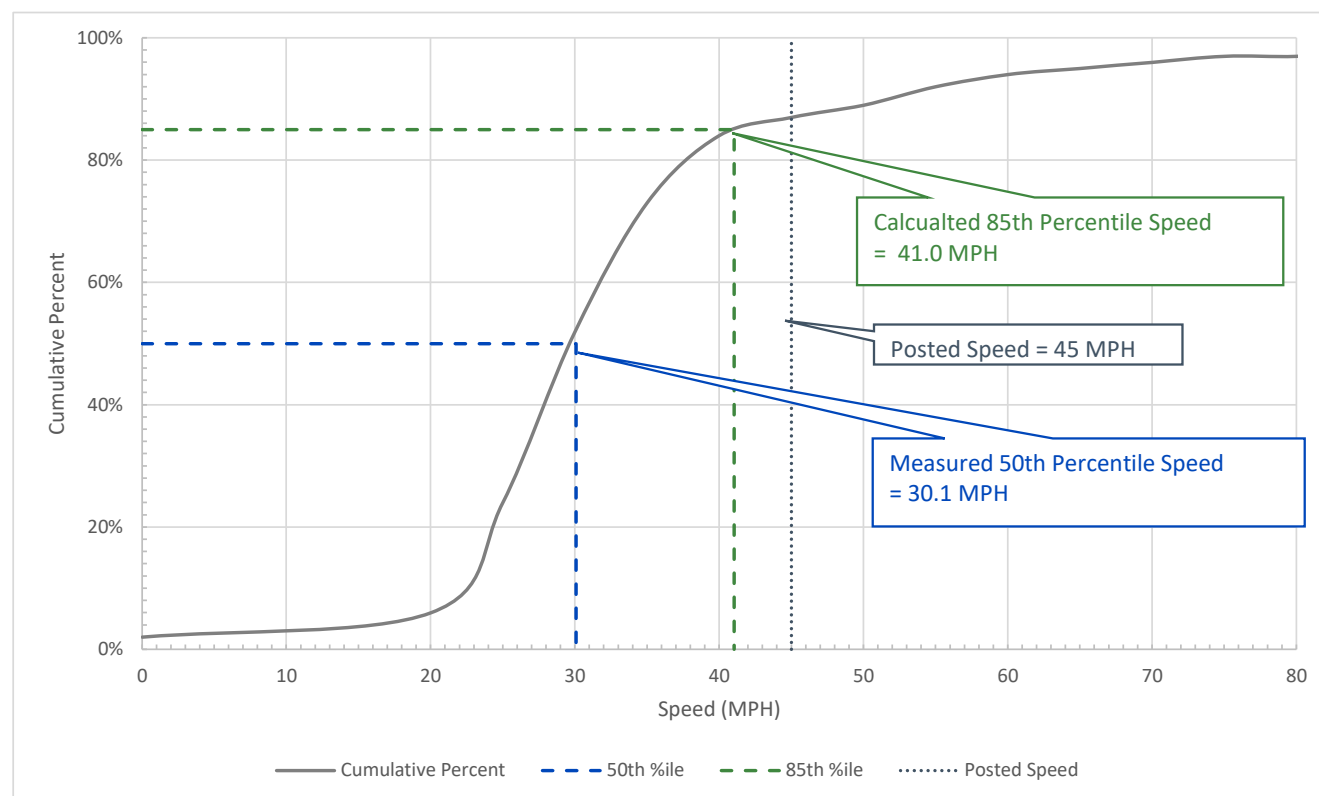
Deschutes County Road Department

Spot Speed Measurement Report

Section A - Mountain View Rd - Site 1

| | | | |
|---------------------|---------------------------------|----------------|-----------------------------|
| Roadway | Mt. View Rd | Date | 10/10/2023 |
| City | Sisters | Time | 48 Hour |
| County | Deschutes | Weather | Partly Cloudy |
| Location | MP 1.12, 0.1mi E. of Buffalo Dr | Investigator | CWA/BMW |
| Direction of Travel | EB/WB | Agency/Company | Deschutes County Road Dept. |

Combined Direction Speed Profile



Summary Statistics

| Direction | Eastbound | Westbound | Combined |
|--|-----------|-----------|-----------|
| Total # of Vehicles | 246 | 198 | 444 |
| Measured 50th %ile Speed, MPH ¹ | 35.5 | 33 | 36.3 |
| Measured 85th %ile Speed, MPH ¹ | 42.1 | 62.8 | 46 |
| Mean Speed, MPH | 34.9 | 38.9 | 36.7 |
| Pace Limits, MPH ² | 30.1-40.0 | 25.8-35.7 | 27.9-37.8 |
| % in Pace | 62.5 | 52.5 | 52.5 |
| Max Speed, MPH | - | - | 99.7 |
| Posted Speed, MPH | 45 | 45 | 45 |
| % Exceeding Posted Speed | 5 | 33 | 16 |

¹ 50th and 85th Percentile speeds measured from raw traffic data using Centurion traffic analysis software.

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

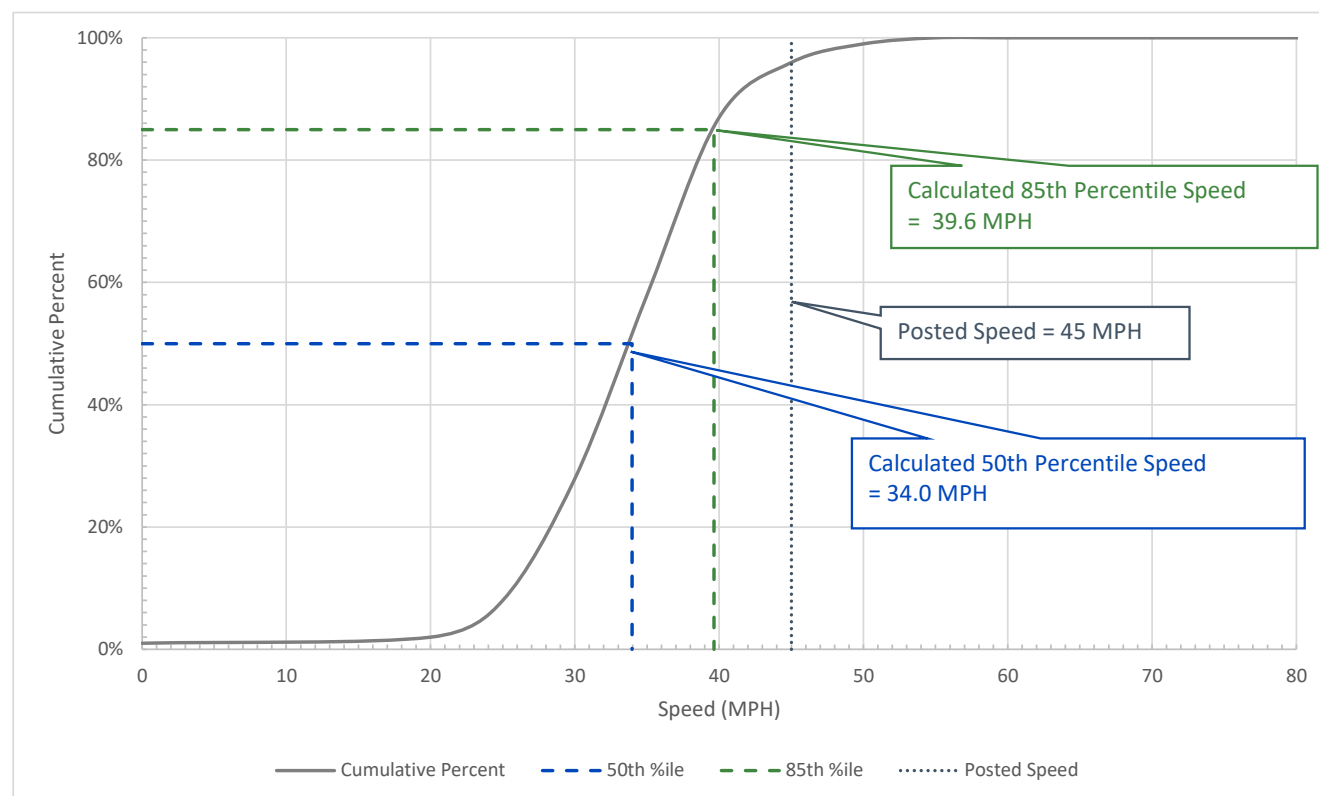
Deschutes County Road Department

Spot Speed Measurement Report

Section A - Mountain View Rd - Site 2

| | | | |
|---------------------|------------------------------|----------------|-----------------------------|
| Roadway | Mt. View Rd | Date | 10/10/2023 |
| City | Sisters | Time | 48 Hour |
| County | Deschutes | Weather | Partly Cloudy |
| Location | MP 1.72, 0.1mi E. of Club Rd | Investigator | CWA/BMW |
| Direction of Travel | EB/WB | Agency/Company | Deschutes County Road Dept. |

Combined Direction Speed Profile



Summary Statistics

| Direction | Eastbound | Westbound | Combined |
|--|-----------|-----------|-----------|
| Total # of Vehicles | 166 | 163 | 329 |
| Measured 50th %ile Speed, MPH ¹ | 38.1 | 38.2 | 38.2 |
| Measured 85th %ile Speed, MPH ¹ | 43.4 | 43.9 | 44.4 |
| Mean Speed, MPH | 38.1 | 38.3 | 38.2 |
| Pace Limits, MPH ² | 35.7-45.6 | 36.2-46.1 | 35.0-44.9 |
| % in Pace | 63.3 | 55.2 | 59.3 |
| Max Speed, MPH | - | - | 64 |
| Posted Speed, MPH | 45 | 45 | 45 |
| % Exceeding Posted Speed | 10 | 14 | 15 |

¹ 50th and 85th Percentile speeds measured from raw traffic data using Centurion traffic analysis software.

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

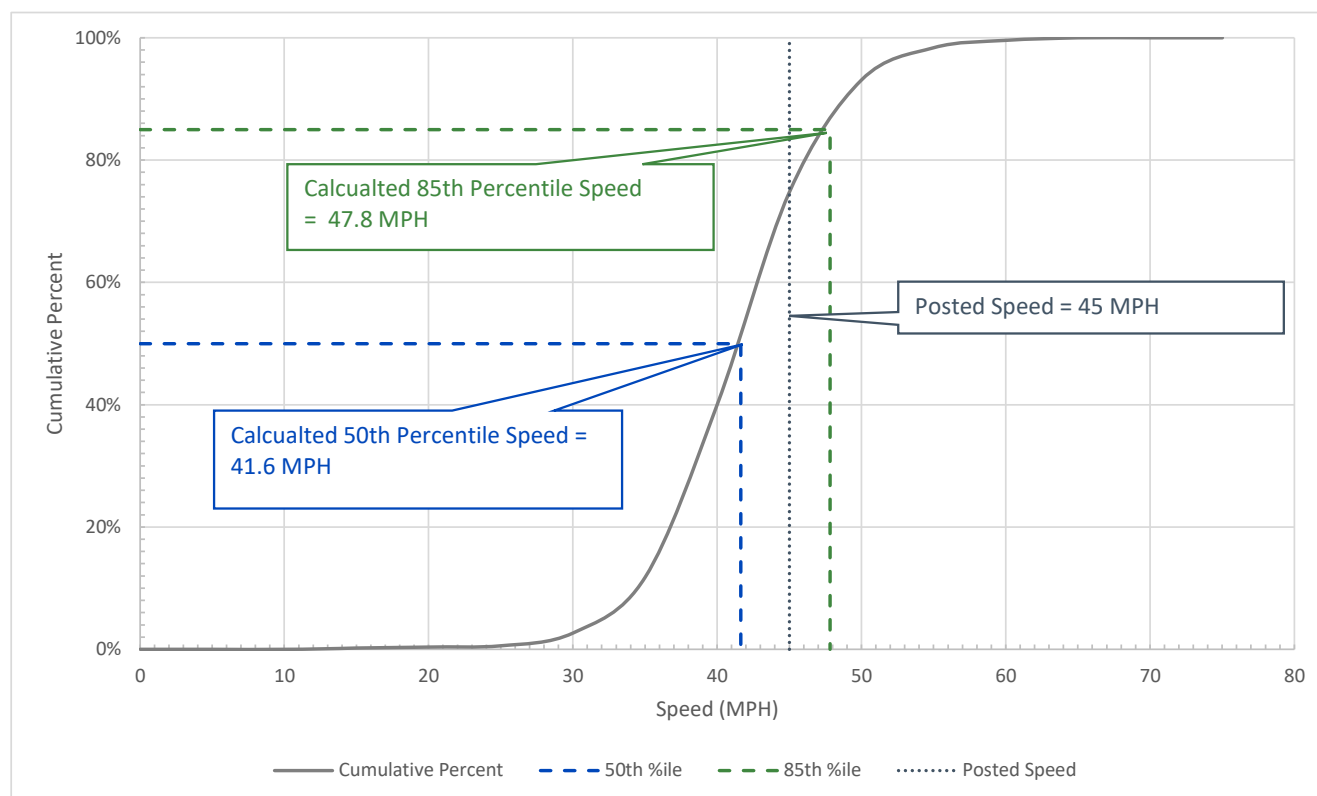
Deschutes County Road Department

Spot Speed Measurement Report

Section B - Buffalo Dr

| | | | |
|---------------------|---------------------------------|----------------|-----------------------------|
| Roadway | Buffalo Dr | Date | 7/14/2025 |
| City | Sisters | Time | 24 Hour |
| County | Deschutes | Weather | Partly Cloudy |
| Location | MP 0.98, 0.05mi E. of Pinto Dr. | Investigator | CWA/BMW |
| Direction of Travel | EB/WB | Agency/Company | Deschutes County Road Dept. |

Combined Direction Speed Profile



Summary Statistics

| Direction | Eastbound | Westbound | Combined |
|--|-----------|-----------|----------|
| Total # of Vehicles | 240 | 240 | 486 |
| Measured 50th %ile Speed, MPH ¹ | 43.3 | 41 | 42.5 |
| Measured 85th %ile Speed, MPH ¹ | 48.6 | 49.1 | 48.8 |
| Mean Speed, MPH | 43.3 | 41.5 | 42.4 |
| Pace Limits, MPH ² | 36-45 | 36-45 | 36-45 |
| % in Pace | 69.1% | 56.7% | 63.0% |
| Max Speed, MPH | - | - | - |
| Posted Speed, MPH | 45 | 45 | 45 |
| % Exceeding Posted Speed | 26.5% | 24.2% | 25.2% |

¹ 50th and 85th Percentile speeds measured from raw traffic data using TrafficViewerPro traffic analysis software.

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