



**COLORADO**  
Department of Transportation

# **COLORADO DEPARTMENT OF TRANSPORTATION**



## **No Passing Sign Guide**

2024 Edition

## ACKNOWLEDGEMENTS

AASHTO A Policy on Geometric Design of Highways and Streets

FHWA Manual on Uniform Traffic Control Devices (2023).

Esayas Butta, CDOT HQ Traffic Safety & Engineering Services

Anthony Vu, CDOT HQ Traffic Safety & Engineering Services

Nathan Rivera, CDOT HQ Traffic Safety & Engineering Services

Yesenya Saucedo Paez, CDOT HQ Traffic Safety & Engineering Services

Alvin Stamp, CDOT Region 1

Azeb Seifu, CDOT Region 1

Christiana Lacombe, CDOT Region 1

Jocelyn Higashide, CDOT Region 1

Matt Jagow, CDOT Region 2

Pepper Whittlef, CDOT Region 2

James Biren, CDOT Region 2

Andi Staley, CDOT Region 3

Mark Bunnell, CDOT Region 3

Bryce Reeves, CDOT Region 4

Jonathan Woodworth, CDOT Region 4

James Lambrecht, CDOT Region 4

David Peyton, CDOT Region 5



Published on March 1, 2024

HQ Traffic Safety and Engineering Branch

2829 West Howard Place, 4<sup>th</sup> Floor

Denver, CO 80204

Telephone: (303) 757-9654

Fax: (303) 757-9219

## INTRODUCTION

The DO NOT PASS (R4-1), DO NOT PASS ON SHOULDER (R4-18) and NO PASSING ZONE (W14-3) signs are an optional addition to center line pavement markings to emphasize the restriction on passing. The Colorado Department of Transportation (CDOT) has chosen to work with local agencies to allow a limited use of these signs on Colorado State Highways. This document is intended to serve as a guide for the use and placement of these signs. The local agency shall submit the request form in Appendix C to the corresponding CDOT Region Traffic Engineer (RTE) for review. The CDOT RTE will review the information provided from the local agency and determine whether signage is warranted.

## SIGN GUIDANCE

The DO NOT PASS (R4-1), DO NOT PASS ON SHOULDER (R4-18) and/or NO PASSING ZONE (W14-3) sign may be used to supplement pavement markings. The W14-3 may be added on the left-hand side of the roadway when the RTE has determined that additional emphasis is needed. R4-1, R4-18 and/or W14-3 signs may be installed where the site location is marked with a double solid yellow longitudinal centerline for no-passing as shown in the Manual on Uniform Control Devices (MUTCD) and at least one (1) of the following criteria is met:

- When approaching or upon the crest of a grade or a curve in the highway where the driver's view is obstructed within such distance as to create a hazard in the event another vehicle might approach from the opposite direction.
- When approaching within one hundred (100) feet of or traversing any intersection or railroad grade crossing
- When the view is obstructed upon approaching within one hundred feet of any bridge, viaduct, or tunnel.

or at least two (2) of the following criteria is met.:

- There is at least one or more passing-related crashes per year<sup>1</sup> over the last 3 years in urban areas and 5 years in rural areas within the no-passing zone.
- The no-passing zone is within a designated mountain pass (see Table 1 in Appendix A for mountain passes along Colorado State Highways).
- The requested state highway is considered a Highway Freight Corridor as shown on Colorado's Freight Network Map located in Colorado's Freight Plan and is not a freeway or interstate. (<https://www.codot.gov/performance/assets/march-2019-colorado-freight-plan.pdf>)
- One or more driveways within the no passing zone generate a traffic volume of at least 15 vehicles per peak hour.
- The passing zone length is less than MUTCD "Table 3B-1 Minimum Passing Sight Distances for No-Passing Zone Marking".

There should be an effort to improve the pavement markings that are in poor condition, review and correct improper markings, and to implement mitigation strategies such as centerline rumble strips prior to the installation of no passing signage.

The *PASS WITH CARE* (R4-2) sign should be installed at the end of a no-passing zone when the DO NOT PASS (R4-1) sign has been installed at the beginning of the no-passing zone.

The final determination of whether or not to install no passing signs lies with the CDOT RTE.

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<sup>1</sup> The crash types for passing-related crashes are "head-on" and "sideswipe opposite".



W14-3



R4-1



R4-2



R4-18

## APPENDIX A: TABLE 1 MOUNTAIN PASS<sup>2</sup>

Mountain Pass	State Hwy	Begin MP	End MP
Berthoud	US 40	236.29	248.72
Cameron	SH 14	58.56	67.57
Coal Bank	US 550	51.34	58.12
Cucharas	SH 12	11.00	28.02
Cumbres	SH 17	0.00	8.10
Dallas Divide	SH 62	0.00	16.11
Douglas	SH 139	30.32	39.30
Eisenhower Johnson Memorial Tunnel	I-70	215.14	216.05
Fremont	SH 91	8.60	21.00
Gore	SH 134	3.08	18.56
Hoosier	SH 9	69.42	78.44
Independence	SH 82	47.00	66.00
Kenosha	US 285	201.28	207.00
La Manga	SH 17	8.14	16.59
La Veta/North La Veta	US 160	271.00	282.05
Lizard Head	SH 145	55.90	71.51
Loveland	US 6	100.41	109.34
McClure	SH 133	40.00	46.00
Milner Pass	US 34	121.019	121.22
Molas	US 550	56.00	70.12
Monarch	US 50	190.52	210.36
Mt. Evans	SH 5	0	14.411
Muddy	US 40	157.33	163.46
Poncha	US 285	115.87	126.00
Rabbit Ears	US 40	141.84	157.13
Raton	I-25	0.00	11.75
Red Hill	US 285	184.50	188.50
Red Mountain	US 550	71.83	92.89
Slumgullion	SH 149	55.23	71.96
Spring Creek	SH 149	45.00	55.23
Squaw	SH 103	13.26	22.48
Tennessee	US 24	160.80	169.63
Trout Creek	US 24/285	214.71	226.30
Ute	U.S. 24	283.00	298.00
Vail	I-70	180.85	195.30
Wilkerson	U.S. 24	252.87	258.71
Willow Creek	SH 125	11.95	26.85
Wolf Creek	U.S. 160	157.43	176.00

<sup>2</sup> Source: <https://maps.cotrip.org/mountainPasses/mountainPass-2/@-106.34053,39.2679,8?show=mountainPasses>

## APPENDIX B

**Table 3B-1. Minimum Passing Sight Distances for No-Passing Zone Markings**

85th-Percentile or Speed Limit	Minimum Passing Sight Distance
25 mph	450 feet
30 mph	500 feet
35 mph	550 feet
40 mph	600 feet
45 mph	700 feet
50 mph	800 feet
55 mph	900 feet
60 mph	1,000 feet
65 mph	1,100 feet
70 mph	1,200 feet

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<sup>3</sup> Source: MUTCD 11th Edition

## APPENDIX C: REQUEST FORM

# COLORADO DEPARTMENT OF TRANSPORTATION

## No Passing Sign Request Form

### Local Agency Representative Contact Information

Name: \_\_\_\_\_ Email: \_\_\_\_\_ Phone Number: \_\_\_\_\_

### Location Description

County/City: \_\_\_\_\_ Speed Limit: \_\_\_\_\_

State Highway: \_\_\_\_\_ Begin Milepost: \_\_\_\_\_ End Milepost: \_\_\_\_\_

### Site Description

Does the proposed location have double yellow pavement marking? Yes No

Mountain Pass<sup>1</sup>: \_\_\_\_\_

Annual Average Daily Traffic (AADT)<sup>2</sup>: \_\_\_\_\_ Percent Trucks: \_\_\_\_\_

Is this a designated truck route<sup>3</sup>: Yes No

Are there driveways located in the No Passing Zone: Yes No

If yes, what is the driveway traffic volume during the peak hour: \_\_\_\_\_

Percent Grade: \_\_\_\_\_

Pavement Marking Condition: \_\_\_\_\_

### Additional Considerations

### CDOT USE ONLY

Do the number of passing related crashes exceed what is expected for the past 3 years in urban areas or past 5 years in rural areas? Yes No

<sup>1</sup> Refer to Appendix A in CDOT No Passing Sign Guide for CDOT owned and maintained mountain passes

<sup>2</sup> CDOT's Online Transportation Information System (<https://dtdapps.coloradodot.info/otis/TrafficData>) may be used to calculate annual average daily traffic and percentage of trucks.

<sup>3</sup> Use CDOT's Map of Colorado's Multimodal Freight Network in the Colorado Freight Plan to determine if the requested location is a designated truck route (<https://www.codot.gov/performance/assets/march-2019-colorado-freight-plan.pdf>).