



COLORADO
Department of
Transportation

DESIGN BULLETIN

Division of Project Support
Project Development Branch
Design Program

2018 CDOT Roadway Design Guide
2018 Number 7, Page 1 of 1
Date: October 25, 2018

2018 CDOT Roadway Design Guide (RDG)

The Chief Engineer Memorandum dated November 10, 2016 [attached] formally adopted the AASHTO 2011, *A Policy on Geometric Design of Highways and Streets, 6th Edition* (Green Book) as guidance for use on all CDOT highway projects. In addition to providing new and revised Colorado specific content, the 2018 release of the CDOT RDG is synchronized with the 2011 Green Book. The new chapters include: Chapter 11- Access Control and Access Management, Chapter 13- Alternate Standards (Low Volume Roads) and Chapter 19- Roundabouts.

This formal issuance of the 2018 CDOT RDG supersedes the 2005 CDOT RDG except for Chapter 14- Bicycle & Pedestrian Facilities and Chapter 18- Noise Guide. The 2018 CDOT RDG posting links back to the most current versions of chapters 14 and 18. Please begin using the 2018 CDOT RDG immediately. This release was developed via collaboration with many specialty representatives, the CDOT Roadway Design Advisory Committee (RDAC) and the FHWA. The 2018 CDOT RDG was then vetted through the Project Delivery Advisory Committee (PDAC). Both RDAC & PDAC have representation from all five CDOT regions and the FHWA.

Please contact jerome.estes@state.co.us for support.

Resources:

https://www.codot.gov/business/designsupport/bulletins_manuals/cdot-roadway-design-guide-2018



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Department of Transportation

Office of the Chief Engineer

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MEMORANDUM

TO: REGION TRANSPORTATION DIRECTORS, PROGRAM ENGINEERS, AND RESIDENT ENGINEERS
FROM: JOSHUA LAIPPLY, P.E., CHIEF ENGINEER
DATE: NOVEMBER 10, 2016
SUBJECT: REVISION TO GUIDANCE RECOMMENDATION: FORMAL ADOPTION OF AASHTO 2011 GREEN BOOK ON CDOT PROJECTS

The purpose of this memorandum is to formally adopt the AASHTO 2011, *A Policy on Geometric Design of Highways and Streets*, 6th Edition (Green Book) as guidance for use on all CDOT highway projects.

FHWA has completed their rulemaking process and adopted the 2011 Green Book as the standard for construction and reconstruction projects on the National Highway System. CDOT formally adopts the use of the 2011 Green Book in its entirety. The previous Memorandum of March 4, 2015 allowing the use of the 2011 Green Book is now superseded by this memorandum.

In support of FHWA's Performance Based Practical Design Concept designers are encouraged to consider deviation from design values noted throughout the AASHTO Green Book when it is appropriate based upon the project context. When deviated values are considered, these should be thoroughly evaluated and documented to ensure the safety of the traveling public. More information about Performance Based Practical Design can be found at the following link:

<https://www.fhwa.dot.gov/design/pbpd/>

The 2011 AASHTO Green Book incorporates the November, 2013 errata which include technical revisions corrections that need to be applied to the 2011 AASHTO Green Book. Please review them using the following link:

<http://downloads.transportation.org/GDHS-6-Errata.pdf>

The Project Development Branch will update the CDOT Roadway Design Guide to incorporate the changes included within the 2011 Green Book.

If you have any questions, please contact Larry Brinck at (303) 757-9474 or Ryan Sorensen at (303) 757-9326.

