

# DESIGN BULLETIN #99/2018 (Revised February 2021)

## Revisions/Updates to the Alberta Transportation Highway Geometric Design Guide

### Summary

This Bulletin is being issued as a revision and/or update to the Alberta Transportation, *Highway Geometric Design Guide*.

The updated pages indicated in the Revisions/Updates Summary Table, below, can be found in the appropriate section(s) of the *Highway Geometric Design Guide*.

The link to the home page of the *Highway Geometric Design Guide* is:  
<https://www.alberta.ca/highway-geometric-design-guide-table-of-contents.aspx>

### Implementation

For all new design and planning projects, the revisions/updates to the guide, as indicated in this design bulletin, are to be implemented immediately.

Projects currently underway should follow these revised standards when reasonable based on the direction of the Alberta Transportation Project Sponsor.

Effective Date: April 2018  
Revision 1 Date: July 11, 2019  
Revision 2 Date: July 30, 2020  
Revision 3 Date: September 30, 2020  
Revision 4 Date: January 25, 2021  
Revision 5 Date: February 2021

### Contact

Paul Buryn (780-415-1048) Director, Road Geometric Design  
Lei Ma (780-427-1964) Geometric Design and Training Engineer

### Recommended:

Muham  
mad.Arif

Digitally signed by  
Muhammad.Arif  
Date: 2021.02.23  
10:51:38 -07'00'

for Paul Buryn, P. Eng.  
Director  
Roadway Engineering Section

### Approved:

Darren.Carter

Digitally signed by Darren.Carter  
DN: dc=ca, dc=ab, dc=gov, dc=ds,  
dc=goa, ou=AdminUnits, ou=TRANS,  
cn=Darren.Carter  
Date: 2021.02.23 11:31:26 -07'00'

for Des Williamson, P. Eng.  
Executive Director  
Technical Standards Branch

## Revisions/Updates Summary Table for the Alberta Transportation, *Highway Geometric Design Guide*

The following revisions/updates apply to the Alberta Transportation, *Highway Geometric Design Guide*.

Section	Description	Date
Chapter F	<ul style="list-style-type: none"> <li>• Incorporated Design Bulletin 38 – Vehicle Inspection Stations / Rest Areas in Highway Median</li> <li>• New classifications for Safety Rest Areas</li> <li>• Most figures were updated to align with Chapters A and B, and new classifications</li> </ul>	Feb. 2021
Acknowledgements	Updated	Feb. 2021
Chapter J	<ul style="list-style-type: none"> <li>• This chapter will replace the previous Chapter H Local Roads.</li> <li>• Tables J-3-1a, J-3-4-2a (some design parameters have been updated).</li> <li>• Figures J-3-4-2a, J-3-4-2b, J-3-4-2c, Table A-8-2a (some design parameters have been updated)</li> <li>• Figures J-4-1a, J-4-1b, J-4-1c, J-4-1d (updated notes)</li> </ul>	Jan. 2021
Chapter A	<ul style="list-style-type: none"> <li>• Table A-10-1a and Table A-10-1b (some design parameters have been corrected or updated).</li> <li>• Table A-8-2a (minor text changes)</li> </ul>	Sept. 2020
Chapter B	<ul style="list-style-type: none"> <li>• Rewrite of 1999 Chapter B</li> <li>• Incorporated Design Bulletin 7 – Guidelines for Establishment of No Passing Zones                             <ul style="list-style-type: none"> <li>○ This design bulletin is superseded and has been moved to the “Inactive</li> </ul> </li> </ul>	Sept. 2020

Superseded by Revision 6 on December 13, 2021

	<p>Design Bulletins” page.</p> <ul style="list-style-type: none"> <li>• Incorporated Design Bulletin 17 – Highway Geometric Design Guide Urban Supplement (Chapter B)                             <ul style="list-style-type: none"> <li>○ Chapter B of the HGDG (2020) has superseded Chapter B of the “Highway Geometric Design Guide Urban Supplement”.</li> </ul> </li> <li>• Incorporated Design Bulletin 66 – Highway Geometric Design Guide – Chapter B, Climbing Lane Warrants for Two Lane Undivided and Four Lane Divided Highways – Revised                             <ul style="list-style-type: none"> <li>○ This design bulletin is superseded and has been moved to the “Inactive Design Bulletins” page.</li> </ul> </li> </ul>	
Foreword	Updated “Format” section. Updated links. Minor text changes.	Sept. 2020
Acknowledgements	Updated	Sept. 2020
Chapter A	<p>Roadside Management Classification Map updated to incorporate Functional Classification (future vision) including delineation of urban and rural highway segments.</p> <p>Functional Classification – Existing Conditions Map updated.</p> <p>Descriptions updated on Pages 9, 10, 11, 36</p> <p>Figure A-2-4b updated based on functional class updates.</p> <p>References updated on Pages 51, 52</p>	July 2020
Chapter A	Figure A-2-5-1a was updated to align with the recommendation of High Load Corridor Network for Over-Size and Over-Weight Loads in Alberta completed in June 2018.	July 2019
Cover Page	Updated Date	Apr 2018
Foreword	Rewrite of 1999 Foreword	Apr 2018
Acknowledgements		Apr 2018

Chapter A	Rewrite of 1999 Chapter A Incorporated Design Bulletin 17 – Highway Geometric Design Guide Urban Supplement Chapter A Added Design Exceptions, Option Selection, and Benefit Cost Analysis Added Traffic Statistics for Planning and Design Added Transition Segments and Hybrid Roadways	Apr 2018
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Superseded by revision 6 on December 13, 2021