

DESIGN BULLETIN #99/2018 (Revised December 13, 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:

(the old link has been removed)

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
Revision 6 Date: December 13, 2021

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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 E | <ul style="list-style-type: none"> • Incorporated Design Bulletin 30 - Best practices for planning and design of freeway facilities, Design Bulletin 42 - Highway Geometric Design Guide Chapter E Interchanges - Shoulder Ramp Width, Design Bulletin 54 - Divided Highway Cross Section with C-D Road or Exit Ramp/Entrance Ramp on Alberta highways, Design Bulletin 84 - Considerations for Selection of Freeway Over/Under Configuration at Service Interchanges • New figure for dual lane exit and entrance terminal • New figure for Urban Freeway (URD) with C-D Road Typical Cross Section • Minor revisions for interchange figures, mainly text changes to align with Chapter B | Dec. 2021 |
| Acknowledgements | Updated | Nov. 2021 |
| Chapter F | <ul style="list-style-type: none"> • Incorporated Design Bulletin 38 – Vehicle Inspection Stations / Rest Areas in Highway Median • New classifications for Safety Rest Areas • Most figures were updated to align with Chapters A and B, and new classifications | Feb. 2021 |
| Acknowledgements | Updated | Feb. 2021 |
| Chapter J | <ul style="list-style-type: none"> • This chapter will replace the previous Chapter H Local Roads. • Tables J-3-1a, J-3-4-2a (some design parameters have been updated). | Jan. 2021 |

Superseded by Revision 7 On March 31, 2022

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| | <ul style="list-style-type: none"> Figures J-3-4-2a, J-3-4-2b, J-3-4-2c, Table A-8-2a (some design parameters have been updated) Figures J-4-1a, J-4-1b, J-4-1c, J-4-1d (updated notes) | Sept. 2020 |
| Chapter A | <ul style="list-style-type: none"> Table A-10-1a and Table A-10-1b (some design parameters have been corrected or updated). Table A-8-2a (minor text changes) | Sept. 2020 |
| Chapter B | <ul style="list-style-type: none"> Rewrite of 1999 Chapter B Incorporated Design Bulletin 7 – Guidelines for Establishment of No Passing Zones <ul style="list-style-type: none"> This design bulletin is superseded and has been moved to the “Inactive Design Bulletins” page. Incorporated Design Bulletin 17 – Highway Geometric Design Guide Urban Supplement (Chapter B) <ul style="list-style-type: none"> Chapter B of the HGDG (2020) has superseded Chapter B of the “Highway Geometric Design Guide Urban Supplement”. 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"> This design bulletin is superseded and has been moved to the “Inactive Design Bulletins” page. | Sept. 2020 |
| Foreword | Updated “Format” section. Updated links. Minor text changes. | Sept. 2020 |
| Acknowledgements | Updated | Sept. 2020 |
| Chapter A | Roadside Management Classification Map updated to incorporate Functional Classification (future vision) including delineation of urban and rural highway segments. Functional Classification – Existing Conditions Map updated. | July 2020 |

Superseded by Revision 37, On March 31, 2022

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| | <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> | |
| Chapter A | <p>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</p> | July 2019 |
| Cover Page | Updated Date | Apr 2018 |
| Foreword | Rewrite of 1999 Foreword | Apr 2018 |
| Acknowledgements | | Apr 2018 |
| Chapter A | <p>Rewrite of 1999 Chapter A</p> <p>Incorporated Design Bulletin 17 Highway Geometric Design Guide Urban Supplement Chapter A</p> <p>Added Design Exceptions, Option Selection, and Benefit Cost Analysis</p> <p>Added Traffic Statistics for Planning and Design</p> <p>Added Transition Segments and Hybrid Roadways</p> | Apr 2018 |

Superseded by Revision 2 On March 31, 2022