

ROAD DESIGN MANUAL REVISIONS

July 2022

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CHAPTER 2B

- Page 2B-10 – Revised to replace “Trns.port” with “AASHTOWare Project Preconstruction” and Revised language under **COST ESTIMATES** From: “Cost estimates for Preliminary Engineering (PE), Right of Way (R/W) and Construction (Const.) are to be prepared on all plans of development necessary to advance to Preliminary Field Inspection stage.” To: “ Cost estimates shall be developed in accordance with IIM-CEO-01. IIM-CEO-01 provides a link to the Cost Estimating Manual, which can be accessed at:
https://www.virginiadot.org/business/resources/Cost_Estimation_Office/IIM-CEO-01.pdf.
The Cost Estimating Manual can be accessed at:
https://www.virginiadot.org/business/resources/Cost_Estimation_Office/VDOT_Cost_Estimating_Manual.pdf. “

CHAPTER 2C

- Page 2C-6 - Revised to replace “GEOPAK” with “OpenRoads Designer” under the heading **BASELINE STATIONING**.

CHAPTER 2E

- Page 2E-61 – Revised to add the following language: “Federal Structure Number – This number is provided by the District Bridge Office. See IIM-S&B-101/IIM-LD-263/IIM-MD-2022.5.1 (Large Culverts and Open Bottom Structures) for more guidance”, Revised to add the following language: “The descriptions for PE, RW and C may be different. When “From;” and “To:” are used, the description for each section shall match the limits of the section as shown on the project title sheet.”, and Added information to the Project Tabulation Length Block.
- Page 2E-61 and 62 – Revised to delete the following language: ”All drainage structures measuring over 20 feet along the roadway centerline between the inner faces of the outer walls (as defined by 23 CFR 650 © National Bridge Standards, Section 650.301, Application of Standards) are classed as major structures and are to be set up as separate projects with separate lengths.”.
- Page 2E-62 – Revised to add the flowing language: “See IIM-S&B-101/IIM-LD-263//IIM-MD-2022.5.1 for drainage structures designated as Large Culverts”, Replaced “major structures” with “Large Culverts”, Added “meeting the definition of “Large culverts” in IIM-S&B-101/IIM-LD-263/IIM-MD-2022.5.1, and Revised “FIGURE 2E-22 MEASURING “D” LIMITS ON PLANS to match IIM-S&B-101/IIM-LD-263//IIM-MD-2022.5.1”.
- Page 2E-62 - Revised to delete the following language: ““D” numbers shall also be assigned to all drainage structures, single and multiple lines (two or more) with openings equal to or greater

than 36 S.F. The Drainage Designer will communicate the number of structures meeting this requirement to the Roadway Designer and he or she will communicate this information to the Project Manager.”

- Page 2E-63 – Revised to add the following language: ““B” numbers and “D” numbers shall be assigned as indicated below.”
- Page 2E-63 – Revised to delete “Special Design Box Culverts” and Replace “Standard Box” with “Large”, and Replace “(See criteria on previous page)” with “(See IIM-S&B-101/IIM-LD-263/IIM-MD-2022.5.1)”.
- Page 2E-69 - Revised language From: “Sidewalk or sidewalk space slopes are generally to be 2%” To: “Sidewalk or sidewalk space cross slope shall be 2% maximum.”
- Page 2E-74 – Revised to replace “Trns.port” with “AASHTOWare Project Preconstruction”.

CHAPTER 2G

- Page 2G-8 – Revised to add “See LD-252”.

CHAPTER 2H

- Sheet 2H-16 – Revised to correct the spelling of “Hydraulic” in Note 7 of Inset A.

APPENDIX A1

- Page A1-15 – Revised language under GENERAL NOTES for Interstates From: “will have a posted +5 mph design speed” To: “shall have a design speed 5 mph greater than the posted speed.”
- Page A1-16 – Revised to split the two notes in FOOTNOTE (2).
- Page A1-17 – Revised the minimum paved shoulder widths and Added FOOTNOTE (9) - Additional paved shoulder width may be required for the installation of rumble strips.
- Page A1-18 – Revised the reference to the Section in Chapter 6 in FOOTNOTE (9).
- Page A1-19 – Revised reference to Road Design Manual, Appendix A in FOOTNOTE (1), and Revised the reference to the Section in Chapter 5 in FOOTNOTE (10).
- Page A1-20 – Revised to add “See GS-1” in the Table for Freeways Minimum Radius, and Revised the reference to the Section and Table in Chapter 7 in GENERAL NOTES.
- Page A1-21 – Replaced numerical values for minimum paved shoulder width (LT. and RT.) with See GS-2 and Revised reference to Road Design Manual, Appendix A2 for Clear Zone in GENERAL NOTES.

- Page A1-25 – Revised to delete 2018 in FOOTNOTE (8).

APPENDIX A3

- Page A3-2 thru 8 – Deleted web links for more information.
- Page A3-21 – Revised to replace the “Central Office Roundabout Review Committee” with the “Innovative Intersection/Interchange Review Committee”.

APPENDIX B(1)

- Page B(1)-23 – Revised to replace “5” feet with “15” feet.
- Page B(1)-24 and 25 – Revised to replace “cul-de-sacs” with “culs-de-sac” in various locations.

APPENDIX F

- Page F-21- Revised the Minimum Angle of Intersection from “60 degrees” to “75 degrees”.