

IMPERIAL ROAD DESIGN MANUAL
REVISIONS JANUARY 2006

CHAPTER 1E

- Page 1E-1 – Revised language regarding the Quality Control Checklist.
- Page 1E-2 – Revised language describing when the checklist would be revised.

CHAPTER 2A

- Page 2A-9 – Revised information regarding Design Year Traffic Data Criteria. Form LD-104 contains the latest Criteria.

CHAPTER 2D

- Page 2D-19 – Revised elevation information required to be shown on all cross sections.
- Pages 2D-22 & 23 – Revised instructions on the use of Standards Entrances and Entrance Designs.

CHAPTER 2E

- Page 2E-8 – Revised information to reference Chapter 15 of the VDOT Drainage Manual.
- Page 2E-11 - Revised information on the Removal of Bridge Approaches.
- Page 2E-33 - Revised information regarding showing Preliminary Utility Easements on plans.
- Pages 2E-56 - Revised information regarding the type of software used for projects design (DRD and GeoPak).
- Page 2E-63 – Revised language to clarify -2% slopes on typical sections.

CHAPTER 2G

- Page 2G-7 – Revised information regarding the Drainage Summary Sheet to match Figure 2G-1.
- Page 2G-10 – Revised information regarding Summarizing Stormwater Management Quantities.
- Page 2G-32 – Revised to Delete Stormwater Management Summary Block.

APPENDIX A

- Page A-16 – Revised Table A-2-1 Clear Zone Distances to include the Back Slopes. Also, noted that the source of the material for the Table came from the 2002 AASHTO Roadside Design Guide and errata August 2001-February 2003.
- Page A-33 - Revised Table A-3-3 to add additional Design Speeds and update Design Parameters for Roadside Barrier Layout. Also, noted that the source of the material for the Table came from the 2002 AASHTO Roadside Design Guide Tables 5.5, 5.7 and 5.8.
- Page A-40 - Revised Table for Dimensions for Crash Cushion, Reserve Area and Dimensions updated Figure A-3-3. Also, noted that the sources of material for the Table came from the 2002 AASHTO Roadside Design Guide and errata August 2001-February 2003.
- Pages A-43 thru A-47 – Revised information clarifying the Guidelines for 3 RRR Projects.
- Page A-54 - Revised Table A-4-1 for Minimum Lane and Shoulder Width Values.
- Page A-58 - Revised information on Design Exceptions.

APPENDIX B

- Pages B-7 thru 9 - Revised Geometrics Design Tables 1, 2 & 3 to reflect 2004 AASHTO Book.
- Page B-12 – Revised language regarding Pavement Design.
- Page B-13 – Revised language to add the word “by”.
- Pages B-16 – Revised language on Circular Type Turnarounds.
- Page B-17 - Revised Figure 4 Cul-De-Sac Details.
- Pages B-23 & 24 - Revised information on Pedestrian and Bicycle Facilities.
- Pages B-27 thru 29 - Revised information on Roadway Drainage, Drainage Easements and Dams.
- Page B-30 - Revised information on Right of Way.
- Page B-31 - Revised information on Mailboxes and Clear Zone.

- Page B-38 & B-40 - Revised information on the Design of Roundabouts. Revised item “G” to “H” for Utilities.
- Page B-42 - Revised item “H” to “I” for Roadway Lighting.
- Page B-45 - Revised information to reference the Minimum Standards of Entrances to State Highways for the design of Alley Entrances.

APPENDIX C

- Pages C-22 & C-23 -Revised information on the Design of Roundabouts. Added Figure C-1-2.2 Roundabout Designs.
- Page C-27– Revised Table C-1-4 Minimum Passing Sight Distances to reflect the 2004 ASSHTO Book.
- Page C-28 – Revised Table C-1-5 Crossover and Commercial Entrances to add the word “Intersection”.
- Page C-29 – Revised to add the word “Intersection”.