

## CHANGE LOG

### PROJECT DEVELOPMENT AND DESIGN GUIDE



CHAPTER NO./TITLE 15. Access Management

EFFECTIVE DATE March 15, 2025

| SECTION                                | CHANGE   |
|--|--|
| General                                | Agency name has been updated to MassDOT throughout.  |
| General                                | Various minor grammatical changes and nomenclature changes for consistency within this chapter and throughout the Guide.   |
| General                                | Added hyperlinks to external resources.  |
| General                                | Changed all Exhibit numbers to separate Table and Figure numbers.  |
| General                                | Updated references to TRB's Access Management Manual to reference the 2nd Edition.   |
| 15.1 Relationship to Context           | Minor grammatical and language updates.  |
| 15.2 MassDOT's Role in Managing Access | <p>Monitoring, Reviewing and Responding to New Development: Updated reference to the Transportation Impact Assessment Guidelines (2014).</p> <p>Driveway Design: Added sub-sections for Driveway Horizontal Geometry, Driveway Intersections with Pedestrian and Bicycle Facilities, Driveway Grading Considerations, and Driveway Spacing and Consolidation, and Corner Clearance. Reorganized and updated Table 15-1: Basic Driveway Dimension Guidelines by Driveway Type and corresponding text based on MassDOT Construction Standard Details, the 2012 Massachusetts Amendments to MUTCD, and NCHRP 659: Guide for the Geometric Design of Driveways.</p> <p>Added Figure 15-1: Elements of a Typical Driveway with Curb Returns.</p> <p>Added Figure 15-2: Elements of a Typical Flared Driveway.</p> <p>Added Figure 15-3: Effective Turning Radius.</p> <p>Added Figure 15-4: Elements of a Typical Two-Lane Driveway with Median.</p> <p>Added Figure 15-5: Elements of a Typical Right-In/Right-Out Two-Lane Driveway.</p> <p>Added content about accessible path and ramp requirements.</p> <p>Updated maximum grade from the roadway edge to the edge of the pedestrian access route based on MassDOT Construction Standard Details.</p> <p>Added information on physical control, operational control, and drainage control.</p> <p>Added Figure 15-7: Example of a Driveway Vertical Profile Design.</p> <p>Added Figure 15-8: Geometry of Ground Clearance Dragging.</p> <p>Updated spacing guidelines to be consistent with TRB's Access Management Manual 2nd Edition.</p> <p>Added reference to relevant MassDOT Construction Standard Details and the MassDOT Separated Bike Lane Planning and Design Guide.</p> |

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| 15.3 Access Management Techniques | Turning Treatments: Updated "Left Turns" subsection based on the Highway Safety Manual, 1st Edition, 2018 AASHTO Green Book, and Highway Capacity Manual, 7th Edition.<br><br>Median Treatments: Updated based on TRB Access Management Manual, 2nd Edition.<br><br>Signal Spacing and Timing: Removed reference to minimum signal spacing and pointed readers to Chapter 6.<br>Added reference to MassDOT Guidelines for the Planning and Design of Roundabouts.<br><br>Frontage Roads: Updated definition of frontage road. |
| 15.4 Land Use Controls            | Minor grammatical and language updates.   |
| 15.5 For Further Information      | Updated references and links.   |