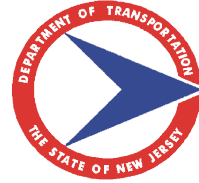


***New Jersey Department of Transportation***

1035 Parkway Avenue, PO Box 600, Trenton, New Jersey 08625-0600



***Baseline Document Change Announcement***

***NJDOT Design Manual –Roadway (English)***

**BDC07MR-01**

**May 9, 2008**

**SUBJECT: Revisions to Sections 1 thru 4**

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AASHTO has issued an updated policy on Geometric Design of Highways and Streets. The Department has adopted this 2004 policy for the design of projects. As a result, Sections 1, 2, 3 and 4 of the 2001 Design Manual- Roadway are revised accordingly. The revised Sections 1-4 shall replace the current Sections 1-4. The remaining sections of the Design Manual are undergoing revisions and will be issued as they become available.

A summary of revisions for each section is as follows.

**Section 1**

- Subsection 1.3 Reference Publications is expanded to include five new categories

**Section 2**

- Subsection 2.3.3 Secondary Controls, A) Design Speed includes for the consideration for the presence of bicycle and pedestrian accommodations

**Section 3**

- Subsection 3.3 is renamed Roadway Design Terms
- Subsection 3.4 Pedestrian Design Terms is added
- Subsection 3.5 Bicycle Design Terms is added

**Section 4**

- Subsection 4.2.5 Stopping Sight Distance on Horizontal Curves The terminology for Middle Ordinate (M) is changed to Horizontal Sightline Offset (HSO). Figure 4A is revised accordingly. A paragraph was added advising designers to consider alternatives to increase the sight triangle
- Subsection 4.3.2 Superelevation Figures 4B and 4C are replaced with AASHTO 2004 values for superelevation. Added is Figure 4C1, Values of Superelevation for Low-Speed Urban Streets (from AASHTO 2004), is added
- Table 4-5 Standards for Curve Radius is revised to meet 2004 AASHTO
- The accompanying note to Table 4-8 is revised

## **Implementation Code S (SPECIAL)**

### **Instructions to Designers**

#### **A. Projects that have not started Activity 1070**

Designers shall comply with the 2004 criteria for minimum radii and superelevation as described in the attached revised RDM Sections.

#### **B. Projects that are currently under development in Activity 1070**

Designers shall analyze the superelevation and minimum radii to determine if significant savings can be achieved by using the 2004 criteria. The analysis and a recommendation shall be submitted to the PM for a final determination.

Designers should not evaluate projects where the difference in minimum radii (2001 criteria vs. 2004 criteria) is 10 feet or less for design speeds ranging between 50 and 60 mph for 4% maximum superelevation and for design speeds ranging between 50 and 70 mph for 6% maximum superelevation.

#### **C. Projects that have a completed PD and approved Design Exception**

Designers can retain the 2001 criteria.

#### **Recommended By:**

Original Signed by

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Walter McGrosky  
Director,  
Capital Program Support

#### **Approved By:**

Original Signed by

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Richard T. Hammer  
Assistant Commissioner,  
Capital Program Management

Attachment: Design Manual – Roadway Sections 1 thru 4 (hard copies available upon request from Engineering Documents Unit—phone number (609) 530-5587)