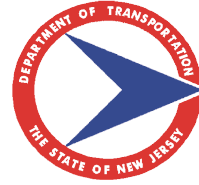


# *New Jersey Department of Transportation*

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

## *Baseline Document Change Announcement*



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

**BDC07MR-04**

**September 29, 2008**

**SUBJECT: Revisions to Section 5, Major Cross Section Elements**

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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, Section 5 of the 2001 *Design Manual-Roadway* is revised accordingly. The revised Section 5 shall replace the current Section 5. The remaining sections of the Design Manual are undergoing revisions and will be issued as they become available.

A summary of revisions is as follows.

- **Subsection 5.1, General**  
Includes a statement regarding non-motoring users.
- **Subsection 5.2.1, Surface Type**  
Includes for the consideration of cyclists and pedestrian traffic.
- **Subsection 5.3, Lane Widths**  
Defines when 10' wide lanes are permissible.
- **Subsection 5.4.1, General**  
Includes criteria and design policy for full shoulder pavement.
- **Subsection 5.4.5, Rumble Strips**  
The limiting dimension for the inside shoulder width is changed from 5 feet to 3 feet.
- **Subsection 5.5.2, Width**  
Is revised to be consistent with the Department's current ROW Design policy.
- **Subsection 5.6.3, Placement of Curb**  
Provides distinction when shoulder is not present.
- **Subsection 5.6.4, Curb Height**  
Include item # 3 for traffic calming areas.
- **Subsection 5.7.1, General**  
The entire subsection is revised and augmented.
- **Subsection 5.7.2, Pedestrian Needs**  
Subsection is renamed and revised accordingly.
- **Subsection 5.7.3, Sidewalk Design**  
Subsection is renamed and revised accordingly.
- **Subsection 5.7.4, Public Sidewalk Curb Ramps**  
Revised (renumbered subsection 5.7.3) to include the following headings.  
Gutters & Counter Slopes, Landings, Flares, Curb Ramp Type and Placement and Curb Ramp Width.

- **Subsection 5.8.1, Pedestrian Accommodations at Driveways**  
New subsection.
- **Subsection, 5.9.1 General**  
Is revised to include a total of 9 functions of a median and most of the current information is now incorporated in subsection 5.9.2.
- **Subsection 5.9.2, Islands, Medians and Pedestrian Refuges**  
Subsection includes information from the old subsection 5.9.1 and pedestrian refuge information.
- **Subsection 5.9.3, Median Fencing on Land Service Highways**  
This is renumbered subsection 5.9.2, no changes.
- **Figure 5-B is revised and added are Figures 5-B1 and 5-B2.**

**Implementation Code R (ROUTINE)**

Changes must be implemented in all applicable Department projects scheduled for Final Design Submission at least one month after the date of the BDC announcement. This will allow designers to make necessary plan, specifications, and estimate/proposal changes without requiring the need for an addenda or postponement of advertisement or receipt of bids.

Original Signed by

Original Signed by

**Recommended By:**

**Approved By:**

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Walter McGrosky  
Director,  
Capital Program Support

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Richard T. Hammer  
Assistant Commissioner,  
Capital Program Management

Attachment: Design Manual – Roadway Section 5  
(hard copies available upon request from Engineering Documents Unit—phone number (609) 530-5587)