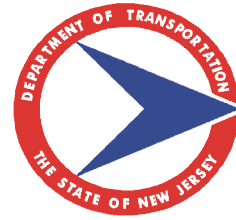


New Jersey Department of Transportation

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



Baseline Document Change Announcement

NJDOT *Design Manual –Roadway (English)*

BDC07MR-05

October 23, 2008

SUBJECT: Revisions to Section 6, At Grade Intersections

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 6 of the 2001 *Design Manual-Roadway* is revised accordingly. The revised Section 6 shall replace the current Section 6. 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 6.3.2, Sight Distance for Bicycle Facilities**
New subsection.
- **Subsection 6.3.3, Stop Control on Cross Street**
Old subsection 6-03.2, no change.
- **Subsection 6.3.4, Yield Control**
Old subsection 6-03.3, is revised.
- **Subsection 6.3.5, Sight Distance at Signalized Intersections**
Old subsection 6-03.4, revised to include for bicycle and pedestrians.
- **Subsection 6.4.2, Design Vehicles**
First two paragraphs are revised.
- **Subsection 6.4.3, Turning Radii at Unchannelized Intersections**
Subsection is renamed and revised.
- **Subsection 6.5.2, Islands**
Revised to include for traffic calming, bicycle and pedestrian accommodations.
- **Subsection 6.5.4, Median Openings**
Revised to include for pedestrian accommodations.
- **Subsection 6.8.3, Access Control**
Revised to include reference to NJ State Highway Management Code.
- **Subsection 6.8.4, Standard Jughandle Designs**
Revised to include pedestrian and bicycle consideration.
- **Subsection 6.8.6, Crosswalks, Pavement Markings and Bike Lanes**
New subsection.
- **Subsection 6.10.1, Introduction**
Revised to include list of appropriate conditions for bus turnouts.
- **Subsection 6.10.2, Location Criteria**
Revised to include for a total of nine criteria.

- **Current Figures 6-D thru 6-I (minimum turning paths) are removed since computer software programs provide designers the required information.**
- **Figure 6-B** Currently Figure B is a blank. Is now developed as revised Figure C. The table “With Acceleration Lane” is revised.
- **Figure 6-C** Old Figure J, no revisions.
- **Figure 6-D** Old Figure K, no revisions.
- **Figure 6-E** Old Figure L, no revisions.
- **Figure 6-F** Old Figure M, W_3 dimension is revised.
- **Figure 6-G** Old Figure N, L_2 calculation is revised.
- **Figure 6-H** Old Figure O, lanes lengths are revised.
- **Figure 6-I** Old Figure P, no revisions.
- **Figure 6-J** Old Figure Q, “Quadguard” changed to “Crash Cushion”.
- **Figure 6-K** Old Figure R, “Quadguard” changed to “Crash Cushion”.
- **Figure 6-L** Old Figure S, no revisions.
- **Figure 6-M** Old Figure T, no revisions.
- **Figure 6-N** Old Figure U, notes 6 and 7 added.
- **Figure 6-O** Old Figure V, no revisions.
- **Figure 6-P** Old Figure W, no revisions.
- **Figure 6-Q** Old Figure X, no revisions.
- **Figure 6-R** Old Figure Y, note 7 added.
- **Figure 6-S** Old Figure Z, note 5 added.

Implementation Code S (Special)

Instructions to Designers

A. For projects that have not commenced Activity 1070, designers shall apply the following.

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.

B. For projects that have commenced Activity 1070, designers can retain the current criteria.

Recommended By:

Original Signed by

Walter McGrosky
Director,
Capital Program Support

Approved By:

Original Signed by

Richard T. Hammer
Assistant Commissioner,
Capital Program Management

Attachment: Design Manual – Roadway, Section 6 (hard copies available upon request from Engineering Documents Unit—phone number (609) 530-5587)