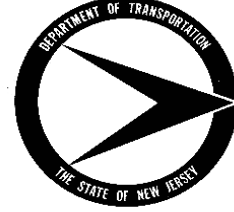


New Jersey Department of Transportation

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Baseline Document Change Announcement

NJDOT Design Manual - Roadway Changes
BDC98MR-003

February 9, 1999

Subject: Release of revisions and additions to *NJDOT Design Manual - Roadway*, Section 11, "Highway Lighting Systems", and Section 12, "Traffic Signal Design"

Attached for inclusion in your copy of the *NJDOT Design Manual - Roadway* are revisions and additions to the following pages of Sections 11 and 12 along with a revised Table of Contents:

Metric Version:

TC-1 to TC-9

11-1 to 11-33

12-1 to 12-14

Instructions to Designers

These Sections are effective immediately and shall apply to all projects, except those projects where the implementation of the new criteria will require substantial cost or schedule changes. In such cases, the Designer shall contact the Department's Project Manager to determine how to proceed.

These Sections are intended for use as a guide in the planning and design of a highway lighting system (Section 11) and the electrical portion of a traffic signal installation (Section 12) that conforms to Department policy. Both Sections will provide a means of developing uniformity in the design and plan preparation of highway lighting systems and traffic signals.

Sections 11 and 12 are to be used by Designers along with the following:

- Sample Electrical Plans contained in the *Sample Plans*, October 1996, issued via BDC96PR-002 and to be updated via BDC98PR-011 in the near future.
- Project Scoping Checklists for Office of Traffic Signal and Safety Engineering; and Division of Operations (Regional Electrical and Traffic Engineering) contained in Section 3.1 of the *Procedures Manual* and to be updated via BDC97PR-013 in the near future.
- Guidelines for Roadway Plan Development contained in Section 6.1.2 and 6.1.4 of the *Procedures Manual* and to be updated via BDC97PR-013 in the near future.
- Scope Development and Design Development Guidelines for Traffic Signals and Lighting Systems contained in Section 16 of the *Procedures Manual* and to be updated via BDC97PR-013 in the near future.

Sections 11 and 12 of the NJDOT *Design Manual - Roadway* are metric versions of the approved English versions dated May 14, 1992, with the following subsequent revisions:

LIST OF REVISIONS	PAGE NOS.
Sec. 11-01, updated all Bureau and Office names here and throughout Sections 11 and 12, text only.	11-1 to 12-5
Sec. 11-03.1, incorporated the "Design Process for Roadway Lighting" here and throughout Section 11, figures and text.	11-2 to 11-31
Sec. 11-07, changed subsection to reference NJDOT <i>Procedures Manual</i> .	11-16
Sec. 11-08, added "Lighting at Intersections".	11-17
Sec. 11-09, added "Non-Functional Historic Replica Lighting".	11-18
Sec. 11-10, added "Functional Historical Lighting".	11-18
Figures, added five figures to Section 11 from the "Design Process for Roadway Lighting".	11-19 to 11-23
Lighting Forms, added eight lighting forms to Section 11 from the "Design Process for Roadway Lighting".	11-24 to 11-31
Voltage Drop Forms, added two voltage drop forms to Section 11 from the "Design Process for Roadway Lighting".	11-32 & 11-33
Sec. 12-02, added three publications to the list.	12-2
Sec. 12-03.3, added fifth "Type" to table.	12-3
Sec. 12-03.3, added paragraph (7.).	12-4
Sec. 12-03.5, changed title from "Highway" to "Intersection".	12-5
Sec. 12-03.7, added table after the first paragraph.	12-6
Sec. 12-03.8, added paragraph (2.).	12-7
Sec. 12-04, added paragraph (4.).	12-9
Sec. 12-05, added paragraph (4.).	12-10
Sec. 12-06, changed subsection to reference NJDOT <i>Procedures Manual</i>	12-10
Sec. 12-07, deleted "Phases Submission Check Lists" and added "Temporary Traffic Signals".	12-10
Figures, updated all figures.	12-11 to 12-15

Distribution to In-House Staff and Various Public Agencies

This BDC Announcement file and the Section 11 & 12 files can be viewed or downloaded from the New Jersey Department of Transportation Web Page at <http://www.state.nj.us/transportation/>. Click on "Capital Program Management", located on the left side of the web page. When this page is loaded, select "Capital Program Management Table of Contents" and click on "Go To Selection". Click whatever document you wish to view or download. The download files are in a zip format. If you need an unzipping program, download and install the "WINZIP" or "PKZIP" program located at the bottom of the page. Do this prior to downloading any files.

This memorandum along with a copy of the Section 11 & 12 files will be distributed to In-House staff and various Public Agencies in accordance with the *NJDOT Design Manual - Roadway* distribution list by the Office of Document Control. The hard copy distribution may be at least one month after date of this memorandum because of printing delays, so rely on the web for faster service. Please make additional copies as needed.

Distribution to other Outside Agencies (Consultants, Contractors, etc.)

This BDC memorandum file and the Section 11 & 12 files can be downloaded from the New Jersey Department of Transportation Web Page at <http://www.state.nj.us/transportation/>. See "Distribution to In-House Staff and Various Public Agencies" above for complete web page instructions.

This memorandum will not be posted on the New Jersey Department of Transportation's Electronic Bulletin Board System (BBS). From now on use our web page.

This memorandum along with a copy of the Section 11 & 12 files will be mailed to all *NJDOT Design Manual - Roadway* holders. Make additional copies as needed. Hard copies of the *NJDOT Design Manual - Roadway* (Metric version) with additions and revisions can be obtained by contacting:

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