
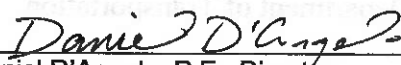


To:		New York State Department of Transportation <b>ENGINEERING          BULLETIN</b>	<b>EB</b> <b>05-057</b>
Expires one year after issue unless replaced sooner			
Title: <b>HIGHWAY DESIGN MANUAL REVISION NO. 47 - Revisions to Chapter 19</b>			
Distribution: <input checked="" type="checkbox"/> Manufacturers (18) <input checked="" type="checkbox"/> Local Govt. (31) <input checked="" type="checkbox"/> Agencies (32)	<input checked="" type="checkbox"/> Surveyors (33) <input checked="" type="checkbox"/> Consultants (34) <input checked="" type="checkbox"/> Contractors (39) <input type="checkbox"/> _____ ( )	Approved:  Daniel D'Angelo, P.E., Director Design Quality Assurance Bureau	12/16/05 Date

**ADMINISTRATIVE INFORMATION:**

- **Effective Date.** This Engineering Bulletin (EB) is effective beginning with projects submitted for the letting of 09/07/06.
- **Superseded Issuances.** The information transmitted by this EB supersedes the following Engineering Instructions (EIs):
  - EI 02-036 Highway Design Manual Chapter 19, Reinforced Concrete Box Culverts and Similar Structures, Section 19.6.1 Contract Plans and Section 19.8 Guide Railing.
  - EI 98-009 Precast Concrete Box Culverts.

**PURPOSE:** To announce the availability of Revision No. 47 to the Highway Design Manual (HDM).

**TECHNICAL INFORMATION:**

HDM users should replace their entire existing chapter dated 1/9/96 with the version dated 12/16/05. Although the entire chapter is being issued, not all material has been revised. Chapter 19 has been revised to clarify, update, and add various material. Noteworthy changes are as follows:

- A new section, 19.3, on procedures for bridge-size culverts has been added. This was developed by the Structures Design and Construction Division's Precast Concrete Structure Committee.
- All figures with precast culvert details have been removed because they are now on Structures Division BD sheets (BD-CB1 through BDCB11, located at <http://www.dot.state.ny.us/caddinfo/structures/bd.html>). Most of the cast-in-place figures had some minor corrections done.
- The changes in Section 19.7.1 (formerly 19.6.1), Contract Plans were adopted in EI 02-036. Section 19.9 (formerly 19.8), Guide Railing, was also updated by EI 02-036 and additional changes are incorporated based on EI 04-002.

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**DISTRIBUTION:** Revision 47 will be distributed separately and contains an updated Table of Contents and Index for the entire HDM. Consultants and others who are required to purchase the HDM may purchase Revision 47 by sending a check or money order for \$3.50 payable to the New York State Department of Transportation at the following address:

Plan Sales Unit  
New York State Department of Transportation  
50 Wolf Road  
Albany, N.Y. 12232

This revision and the entire Highway Design Manual are available, free of charge, in a downloadable Adobe© Acrobat© format on the NYSDOT internet site. Go to the NYSDOT Home page ([www.dot.state.ny.us](http://www.dot.state.ny.us)) and click on "Site Index", "H", and "Highway Design Manual".

**CONTACT:** General questions regarding this revision should be addressed to Ed Timperlake of the Structures Design and Construction Division or Norm Schips of the Design Quality Assurance Bureau. Ed may be reached at (518) 457-5662 or via e-mail at [etimperlake@dot.state.ny.us](mailto:etimperlake@dot.state.ny.us). Norm may be reached at (518) 485-8611 or via e-mail at [nschips@dot.state.ny.us](mailto:nschips@dot.state.ny.us)

Questions regarding Section 19.5 Design Guidelines for Box Culverts and Section 19.6 Computer Design and Analysis Program should be addressed to Michael Seniw of the Structures Design and Construction Division. He may be reached at (518) 457-8483 or via e-mail at [mseiw@dot.state.ny.us](mailto:mseiw@dot.state.ny.us).