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**SUPERSEDED BY
EI 96-007
EFFECTIVE 2/23/96**

ENGINEERING INSTRUCTION

NEW YORK STATE DEPARTMENT OF TRANSPORTATION

**SUBJECT: DISTRIBUTION OF BDD 93-100, 93-101A,
93-101B, 93-101C, 93-102, 93-105 AND 93-20
DESIGN CRITERIA FOR BRIDGES**

Subject Code: 7.35-4

Distribution: 30 Main Office 32 Regions
31 City, Town, County 34 Consultants - Special

Code: EI 93-035

APPROVED:


12/7/93

A. M. SHIROLE, Deputy Chief Engineer (Structures)

Date: December 7, 1993

Supersedes:

Effective December 31, 1993, BDD Sheets 84-100, 84-101, 84-102 and 84-105 issued by EI 84-46 are superseded by BDD Sheets 93-100, 93-101A, 93-101B, 93-101C, 93-102 and 93-105, all of which are attached.

These sheets deal with the transition from concrete bridge barrier to box beam guide rail.

The major changes are as follows:

- The extent of the details common to the superseded drawings made it practical to create a new BDD sheet containing these common details, BDD 93-101C titled "COMMON DETAILS FOR CONCRETE BARRIER TRANSITION".
- Deflections, on impact, will be better controlled by replacing the highway weak posts and backup posts presently used with three strong posts and longer weak posts with a larger soil plate. The block-outs on the strong posts will provide protection to vehicles against snagging on the strong posts. The new longer weak posts (Transition Posts) with their larger soil plates, will function more effectively when some loss of soil cover occurs due to erosion, or if these posts are located near the edge of steep slopes.
- Additional reinforcement was added to the concrete barrier, in the area of the attachment of the transition rails to better sustain anticipated loads.

In addition, BDD Sheet 92-20 issued by EI 92-049 is superseded by BDD Sheet 93-20, attached. This sheet is being reissued to correct an error in dimensioning on the Type D Waterstop on Sheet 92-20.

Questions on these details should be referred to the Region Support Design Unit in the Structures Division at (518) 457-2459.