BRIDGE DESIGN MANUAL

Summary of ChangesRevision 12/19

2003 Edition
(U.S. Customary Units)

State of Connecticut Department of Transportation

The purpose of this document is to highlight changes made to the BDM and not all changes will be documented within this summary.

Revision 12/19

EDITORIAL CHANGES

This version of the BDM incorporates minor editorial changes to the manual.

GUIDE SHEETS

Sections of this version of the BDM have been written in conjunction with the development of the following guide sheets:

- 42 inch single slope concrete parapet (TL-4)
- 42 inch F-shape concrete parapet (TL-4)
- 42 inch vertical shape concrete parapet (TL-4)
- 36 inch vertical shape concrete parapet at sidewalk (TL-3)
- 42 inch curb mounted bridge railing (TL-4)

SECTION 1 GENERAL DESIGN REQUIREMENTS

Rev. 04/19 Article	Rev. 12/19 Article	Description of Change
1.1.2	1.1.2	Added AASHTO Manual for Assessing Safety Hardware.
1.2	1.2	Included MASH in abbreviated references.
1.3.1	1.3.1	Revised scope of work categories.
1.3.3	1.3.3	Revised condition factor value.
1.3.7	1.3.7	Updated language to address all limit states.

SECTION 2 DESIGN SUBMISSIONS & CONTRACT DOCUMENTS

Rev. 04/19 Article	Rev. 12/19 Article	Description of Change
2.1.11	2.1.11	Revised Load Rating Computation to Load Rating Package.
2.2.2	2.2.2	Revised restriction for the use of "by others".

SECTION 3 LOADS AND LOAD FACTORS

Rev. 04/19 Article	Rev. 12/19 Article	Description of Change
3.5.1	3.5.1	Revised phrasing of section.

SECTION 4 STRUCTURAL ANALYSIS AND EVALUATION

SECTION 5 ABUTMENTS, PIERS AND WALLS

Rev. 04/19 Article	Rev. 12/19 Article	Description of Change
5.13.2.1.1	5.13.2.1.1	Updated requirements to LRFD.
5.13.2.2.2	5.13.2.2.2	Updated requirements to LRFD.
-	5.13.2.2.3	Created Inverted Wall System article.

SECTION 6 CONCRETE STRUCTURES

Rev. 04/19 Article	Rev. 12/19 Article	Description of Change
-	6.1.1.4	Created Rapid Setting Concrete article.
-	6.1.1.5	Created Ultra High Performance Concrete article.
-	6.1.1.6	Created Lightweight Concrete article.

SECTION 7 STEEL STRUCTURES

SECTION 8 DECKS AND DECK PROTECTIVE SYSTEMS

Rev. 04/19 Article	Rev. 12/19 Article	Description of Change
8.1.2.2	8.1.2.2	Updated deck overhang design to be in accordance with BDM [12].

SECTION 9 BEARINGS

Rev. 04/19 Article	Rev. 12/19 Article	Description of Change
-	9.1	Removed Standard Practice of using stainless steel anchor bolts.
9.2.1	9.2.1	Restricted the use of anchor bolts at elastomeric bearings.

SECTION 10 DECK JOINTS

Rev. 04/19 Article	Rev. 12/19 Article	Description of Change
-	10.2.2.2.1	Created guidance for Thermal Movement Ranges up to ½ inch.

SECTION 11 SURFACE DRAINAGE

SECTION 12 BRIDGE RAILS AND BARRIERS

The use of "protective fence" was changed to "fence".

Rev. 04/19 Article	Rev. 12/19 Article	Description of Change
12.1	12.1	Updated to meet MASH requirements.
-	12.1.6	Created Deck Overhang Design article.
12.2	12.2	Revised entire article.

SECTION 13 BURIED STRUCTURES

Rev. 04/19 Article	Rev. 012/19 Article	Description of Change
13.1	13.1	Included frames in article.
13.1.3.5	13.1.3.5	Included frames in article.
13.1.3.6	13.1.3.6	Included frames in article.
13.1.4	13.1.4	Revised the responsibilities of the designer.
-	13.1.6	Created Precast Concrete Frames article.

SECTION 14 SIGN SUPPORTS

SECTION 15 UTILITY INSTALLATIONS

SECTION 16 BRIDGE REPAIR AND REHABILITATION

SECTION 17 POST DESIGN RESPONSIBILITIES

DIVISION 2 CONTRACT PLAN NOTES, TABLES & NOTICES

Rev. 04/19 Article	Rev. 12/19 Article	Description of Change
A.1	A.1	Revised note G5.
A.1	A.1	Added note G17.
A.1	A.1	Added note G18.

DIVISION 3 DESIGN AIDS

Rev. 04/19 Article	Rev. 12/19 Article	Description of Change
3.4.12	3.4.12	Revised note 2 for LRFD.
6.2	6.2	Bridge Plate 6.2.1 through 6.2.4 removed.
6.2	6.2	Bridge Plates 6.2.6a through 6.2.8c removed.
8.3	8.3	Bridge Plates 8.3.2 through 8.3.3d removed.
8.3	8.3	Bridge Plates 8.3.5a through 8.3.8 removed.
8.3	8.3	Bridge Plates 8.3.9a through 8.3.9d removed.