

BDDM Update Summary for April 2006

1.1.1 Standard Specifications and Standard Drawings Manual – add foundation design options (New 4/26/06)

1.1.1.1 Purpose of the Bridge Design & Drafting Manual – new section

1.1.1.2 Use of Oregon Standard Drawing Details – new section

1.1.2.3(1) Column Locations – Reference BDDM 1.6 (Modify AASHTO LRFD 3.6.5)

1.1.2.3(2) Structure Depth – requirements consolidated and clarified

1.1.2.4(1) Structure Types and Economics, General – added limitations on use of CIP slabs

1.1.5.4 Pile Foundations – correct Figure numbers B, C, D, E (New 5/22/06)

1.1.8.4 End Bents: Integral Bents – new design criteria added (New 4/14/06)

1.1.9.5 Column Design, General – Reference BDDM 1.6 (Modify AASHTO LRFD 3.6.5)

1.1.9.6 Spiral Reinforcement – Revise AWS weld note in second Fig. 1.1.9.6A, rename to 1.1.9.6B

1.1.10.2 Seismic Zone 2 – added discussion for Zone 2 design criteria.

1.1.12.1 Concrete General – Revise concrete classes, and HPC usage
Modulus of Elasticity – change units to ksi to match LRFD

1.1.14.2(4) Continuous deck reinforcement clarified

1.1.15.1(1) Structure Depths – revised to reference 1.1.2.3(2)

1.1.16.1(1) Structure Depths – revised to reference 1.1.2.3(2)

1.1.16.1(8) Concrete Tensile Strength Limits – clarification added (New 4/14/06)

1.1.19.1 Elastomeric Bearing Pads – add text reference to chart in A1.1.8.7

1.1.20.1 Deck Reinforcement – has been revised, Figures 1.1.14.2C, 1.1.16.7A,
1.1.20.1A, 1.1.25.3A, B & C revised
Placement of Deck Steel – added text

New LRFD Deck Design chart Figure 1.1.20.1B added

1.1.21.4 Temporary Barriers – replaced existing Figures 1.1.21.4A & B with bolt-down details Figure 1.1.21.4A. (added text & details for anchor requirements, updated 4/21/06)

1.2.1.1(3) Check Samples – revise Figure 1.2.1.1A

1.2.1.3 Intermediate Cross Frames – revise Figure 1.2.1.3B, Section A-A

1.2.1.10 End Bents Detailing – revise primer note on Figures 1.2.1.10C & D

1.4.1.1 Retaining Structures, General – revised

1.4.7.2 Providing for Utilities on Structures – add conduits for Highway communications

1.4.7.3 Detailing Guidelines, Utilities – corrected Figure A1.1.8.7A reference

1.4.7.6 Utility Costs and Agreements – clarify acceptable accommodations for utilities

1.5.1 Metric Conversion, Introduction – revised historic context.

1.6 ODOT Design Instructions for AASHTO LRFD Bridge Design Specifications – add modifications to LRFD 3.6.5 for column vehicular impacts and protection

A2.7.3 General Notes – Add notes for foundation design methodology used. Revised bar mat support notes.

A separate posted discussion of foundation design methods will include the following:
Link to “ODOT Bridge Foundation Design Practices & Procedures” for Allowable Stress Design
Link to “ODOT Geotechnical Design Manual” for LRFD foundation design