

BDDM Update Summary November 2007

- 1.1.2.9 Aesthetics – add criteria for Ornamental Protective Screening
- 1.1.5.5 Drilled Shafts: diameters, reinforcement, horizontal tolerances, column splice. New Figures 1.1.5.5A & B, existing 1.1.5.5A revised, became 1.1.5.5C. Subsections inserted, remaining subsections renumbered.
 - (6) Shaft Rock Embedment – additional shaft length discussion.
 - (12) Shaft Reinforcement – section renamed, expanded.
 - (13) Shaft Concrete – concrete grade specified
 - (14) Cover Requirements – shaft diameters revised
 - (19) Shaft Diameter for Seismic Analysis – new section
- 1.1.5.7 Overall Stability Evaluation – New heading, expanded discussion for landslides
- 1.1.9.5 Column Design, General – misc. details, non contact drilled shaft splice, A 706 reinforcement required when plastic hinging is anticipated
- 1.1.9.7 Column Steel Clearance in Footings – revise Fig. 1.1.9.7A w/ English units
- 1.1.10.1 Seismic Design, General – Remove TE-3 references, clarify load factors for EQ with Live Load ($\gamma_{EQ} = 0.0$)
- 1.1.10.6 Liquefaction Evaluation and Mitigation Procedures – revised section title, liquefaction text moved from 1.1.10.5 to 1.1.10.6
- 1.1.13.6 Unused Heading - Deleted
- 1.1.14.1 Precast Prestressed Elements – corrected nomenclature for tension
- 1.1.20.1 Deck Design – effective deck thickness for design, misc. edits.
 - Figures 1.1.20.1A & B revised, 1.1.20.1C & D added. Crack control check not required.
- 1.1.20.1 Deck Detailing – delete figure references from previous update
- 1.1.20.1 Deck Vibrations – misc. edits, clarifications
- 1.1.20.6 Deck Construction Joints – Revise Fig. 1.1.20.6A
- 1.1.21.1 (6) Rail Transitions – add text, first post off structure
- 1.1.21.3 Joints In Bridge Rail – add maximum skew angle 20° through rail
- 1.1.23.2 Resin bonded anchors – prohibit overhead applications and add limitations on sustained loads
- 1.2.1 Steel Girders-Design – add discussion on top ½” of deck thickness
- 1.2.1.3 Revise Figures 1.2.1.3A, B, C & D, diaphragm connection plates
- 1.2.1.4 Revise Fig. 1.2.1.4A, intermediate web stiffeners

1.2.1.5 Revise Fig. 1.2.1.5A, bearing stiffener details

1.4.4.2 Inspection and Maintenance Accessibility – Expanded discussion for Vertical Abutments and MSE Abutments. Add reference to standard drawings BR190 and BR191 “Horizontal Fall Arrest Lifeline” details.

1.4.4.5 Protective Screening – add criteria for ornamental screening

2.2.5A Added new structural steel callouts
Structural tubing callouts change

2.7.2 Added stage construction to the sheet order
Stage Construction was missing from sheet order

2.7.4 Level notes for Foundation Data sheets
Add comment that bridge foundation data sheets will follow Geo-Environmental levels

2.7.10 Where to find “For Information Only Drawings”
Use Bridge Data System to find “For Information Only” drawings

2.8.2 Bridge Plotting Using Plotypus
Instructions and example deleted; refers user to Plotypus “help”

A2.2.2 Updated lines styles
Changed the acceptable line styles for a couple of levels