VOLUME 1 - REVISION HISTORY

Please note that Table and Figure numbers in the ***2010 Structures Manual*** have been modified from previous editions. Table and Figure numbers now reflect the chapter and section in which they are located. Please refer to the Table of Contents for a listing of all Chapters, Sections, Tables and Figures in this Volume.

I.1 ..... Removed references to overhead sign structures and high-mast light poles.

I.2 ..... Modified Table I.11-1 to change reference from SDG 2.5 Miscellaneous Loads to SDG 2.2 Dead Loads.

1.1.2 ..... Separated retaining walls and MSE walls in for environmental classification procedure in paragraph A.

1.4.3 ..... Added metakaolin and ultrafine fly ash to corrosion protection measures; Combined Paragraphs G.2.a and G.2.c.

Table 1.4.3-1 .... Added metakaolin and ultrafine fly ash to corrosion protection measures.

2.2 ..... Moved SDG 2.5 to Table 2.2-1 and changed title of table.

2.3 ..... Replaced content of 2.3.1, deleted old 2.3.2, and renumbered old 2.3.3 and 2.3.4.

2.4 ..... Revised entire section per Temporary Design Bulletin C09-07.

2.5 ..... Old Section 2.5 Miscellaneous Loads moved to SDG 2.2. Inserted new Section 2.5 Wave Loads per Temporary Design Bulletin C09-08.

2.6.4 ..... Paragraph C.1 added requirement for exception for pier strength.

2.6.8 ..... Added "separate but related" to first paragraph of 2.6.8.D Commentary.

2.9 ..... Added Paragraph D.

2.11.4 ..... Modified Paragraph C to change terminology from ultimate bearing capacity to nominal bearing resistance; added "times" to paragraph H.

3.1 ..... Rearranged content of Paragraphs B and C; added language to Paragraph C to prohibit auger cast-in-place piles for bridge foundations.

3.5.1 ..... Revised title to District Structures Maintenance Engineer.

3.5.2 ..... Deleted Paragraphs E and F which required redundant load paths.

3.5.3 ..... Paragraph D.2 added "at least" to 120% requirement.

3.5.4 ..... Changed "ground line" to "design ground elevation".

Table 3.5.6-1 .... Revised entire table per Temporary Design Bulletin C09-04.

3.5.12 ..... Changed Qn to Rn; Changed "ultimate bearing loads" to "nominal bearing resistance" in paragraph D.

Table 3.5.12-1 .. Changed "Capacity" to "Resistance".

3.5.14 ..... Paragraph F changed Qn to Rn.

3.6.9 ..... Revised paragraph E and deleted paragraph F.

3.8 ..... Added "seasonal high" to ground water elevation in Paragraph C.

3.10 ..... Paragraph E deleted project specific locations and added provision for neglecting excess concrete cover in calculating dc and h.

3.11 ..... Deleted 3.11.N Commentary; Added Paragraph O for pedestal heights.

3.12.3 ..... Added provisions for flowable fill to paragraph B.

3.13.2 ..... Added criteria for flowable fill backfill to paragraph H and renumbered subsequent paragraphs; Added paragraph L.

3.13.3 ..... Added new Paragraphs A and B, and renumbered Paragraphs C, D & E.

3.15.3 ..... Corrected use of EV and EH in Paragraph A.1.

3.15.14 ..... Added "Florida Administrative Code" to paragraph A.

4.1.3 ..... Revised entire Section.

4.1.6 ..... Added Section.

4.2.1 ..... Deleted approach slab from calculation of bridge length.

4.2.4 ..... Deleted provision for use of empirical design method.

4.2.8 ..... Revised Paragraphs B and C and added Table 4.2.8-1.

4.2.9 ..... Renumbered Section (was previously 4.2.10)

4.2.10 ..... Renumbered Section (was previously 4.2.11)

4.2.11 ..... Renumbered Section (was previously 4.2.12)

4.2.12 ..... Renumbered Section (was previously 4.2.13)

4.3.1 ..... Added preface and references to Florida-I Beams; revised Paragraphs C, D, E, E Commentary & F.

4.3.3 ..... Added references to Florida-I Beams.

4.5.11 ..... Revised commentary.

5.1 ..... Added Paragraphs B and C; renumbered paragraph D.

5.1.2 ..... Revised entire Section.

5.2 ..... Revised Paragraph B Commentary.

5.7 ..... Added Paragraph B.

5.9 ..... Added Paragraphs A & B; renumbered Paragraphs C & D.

6.5.1 ..... Revised paragraph A; Added reference to Index 20510 to paragraph C.

6.7.1 ..... Added reference to 6.7.1.C to paragraph 6.7.1.A.5.

6.7.3 ..... Revised 6.7.3.A.1 to latest legislation.

7.1.1 ..... Paragraph B and Table 7.1.1-1 removed requirement to send Load Rating to SDO; Paragraph C changed "methods of analysis" to "procedures".

Figure 7.1.1-1 ... Revised Figure 7.1.1-1.

7.1.2 ..... Added paragraphs A and B.

7.3.3 ..... Revised paragraph A and deleted commentary.

7.6 ..... Revised paragraph A to reflect use of FIBs.

7.7 ..... Revised grooving requirements in Paragraph A.

8.1.1 ..... Revised Paragraph C; Relocated last sentence of 8.1.1.A Commentary to 8.1.1.C Commentary; Revised paragraph H; Added paragraph I.

8.1.2 ..... Revised Paragraph B; added new Paragraph C; combined old Paragraphs C & D into new Paragraph D; Revised paragraph E.

8.1.6 ..... Changed references from "Bridge Tender" to "Bridge Operator" and from "Tender House" to "Control House".

8.2 ..... Revised Paragraphs A and B.

8.3 ..... Revised entire Section.

8.4.2 ..... Revised Paragraph A.

8.5 ..... Deleted Paragraph C.7.

8.5.3 ..... Revised Paragraphs A & B.

8.5.4 ..... Changed Section title; Changed "speed reducer" to "gearbox" throughout; Revised Paragraph D.

8.5.6 ..... Revised Paragraph A.5.

8.5.7 ..... Revised Paragraph B.

8.5.10 ..... Revised paragraph B.

8.6.4 ..... Revised Paragraph A material requirements.

8.7.1 ..... Added paragraph D.

8.7.3 ..... Changed reference from "tender house" to "control house".

8.7.5 ..... Revised Paragraph B; Added new Paragraph C; renumbered remaining Paragraphs in Section.

8.7.6 ..... Added Paragraphs D & E.

8.7.8 ..... Changed "encoder" to "transmitter".

8.7.9 ..... Revised Paragraphs B.1 and B.2.

8.7.10 ..... Revised paragraph.

8.7.11 ..... Revised paragraph B.

8.7.12 ..... Revised Paragraphs A, B & E.

8.7.14 ..... Revised Paragraphs A.1, A.3 and C.

8.7.15 ..... Revised paragraphs A.2, A.4, A.5, and added A.6.

8.7.17 ..... Added "and lamps" to paragraph B.

8.7.18 ..... Changed "Tender" to "Control" and revised paragraph B.

8.7.21 ..... Revised paragraph C.

8.8 ..... Revised Paragraphs A & C.

8.8.1 ..... Revised paragraph B; changed "Tenders Room" to "Control House" in paragraph F; Revised paragraph I.3.

8.8.4 ..... Deleted 8.8.4.A commentary.

8.8.11 ..... Added paragraphs C.5 and D.

8.8.22 ..... Revised Paragraph B for hose bib location.

8.8.23 ..... Revised Paragraph D water heater requirements.

8.8.25 ..... Added Paragraph C.

8.8.26 ..... Revised Paragraph A to address areas which cannot be seen from inside the house.

8.8.27 ..... Deleted Paragraphs C, D & E.

8.9.3 ..... Changed "span" to "leaf" throughout section.

8.9.4 ..... Changed "span" to "leaf".

8.9.5 ..... Added Paragraph A; renumbered remainder of Section; added shim adjustment to Paragraph B.

8.9.9 ..... Revised Paragraph A.

8.9.16 ..... Added Paragraph B.

9.2.1 ..... Revised unit prices; added references to metakaolin and ultrafine fly ash; added footnotes for Paragraphs D & E.

9.2.2 ..... Revised unit prices; added Florida-I Beams, Flat Slabs and Pedestrian Railings; deleted AASHTO, Florida Bulb-T and Double-T Beams.

9.2.3 ..... Revised unit prices in Step 3.

9.4 ..... Added Florida-I Beams.

10.6 ..... Added Paragraph I for use of plastic lumber on boardwalks.

10.7 ..... Revised Paragraphs C.4 for bearing type and Paragraph D.7 for through-bolted connections.

10.8 ..... Revised Paragraph B to delete references to ASTM A709 Tables and added tubular tension member testing requirements.

VOLUME 6 - REVISION HISTORY

Chapter 1 - ..Deleted reference to Design Standard Index 17746.

2.4.1.2 .....Modified language to allow steel bottom panels.

VOLUME 8 - REVISION HISTORY

6.1.6 .....Removed "recommendation" for use of Conspan and Smart Bridge; deleted C 6.1.6 commentary referring to VIRTIS.

6.1.8.8 .....Revised entire Section; added commentary C 6.1.8.8.

6.4.2.4 .....Added reference to girders in FDOT Table 6-3A.

6.4.5 .....Deleted section 6.4.5.9.

6.5.9 .....Revised entire section; added commentary C 6.5.9.

6.6.14 .....Deleted reference to span locks that are not engaged; added reference to Section 6.1.8.8.

D.6 .....Deleted Section D.6.7.

VOLUME 9 - REVISION HISTORY

2.4.2.2 ..... Added commentary.

2.4.2.4 ..... Added section.

3.8 ..... Added provision for the use of Appendix C for the evaluation of existing structures; added commentary C 3.8.

3.8.2 ..... Removed wind speed table and added reference to SDG Table 2.4.1-2.

3.8.6 ..... Added Section and Commentary.

3.8.7 ..... Added Section and Commentary.

3.9 ..... Added Section and Commentary.

3.10 ..... Added Section.

5.17.6 ..... Deleted Section 5.17.6.1 and commentary C 5.17.6.1.

5.17.6.5 ..... Deleted requirement for grout pads.

11.1 ..... Revised Section and Commentary.

Appendix C ..... Added Appendix C, Section C.1 and Commentary C C.1, Section C.2, and FDOT Table C.2-1.