

DESIGN STANDARDS MODIFICATIONS

(2008 Booklet)

(English Units)

Effective Date: July 1, 2008

NOTE: Interim Indexes listed in these Modifications may be viewed by going to www.dot.state.fl.us/rddesign/DesignStandards/Standards.htm.

In the front of the booklet:

In the heading of the “Revisions” sheets, change the date from “2006” to “2008”.

On the first sheet of the “TABLE OF CONTENTS”, under “REVISIONS”, change the date from “2004” to “2006”

Index No. 102 (Sheet 2 of 3), “NOTES FOR SYNTHETIC BALES OR BALE TYPE BARRIERS”, Note 2, delete the text “trenched 3” to 4” and” from the first sentence.

Index No. 200 (Sheet 4 of 5), “SLAB AND WALL DESIGN TABLE NOTES”, add the following at the end of Note 10: “#4 Bars at 8” spacing may be substituted for Reinforcing Schedule A6.”

Index No 210 (Sheet 1 of 1), “CURB INLET TOPS TYPE 1, 2, 3 & 4”, “GENERAL NOTES”, Delete Note 4, and substitute the following: "4. For precast units the rear wall and apron may be precast as a separate piece from the top slab. Provide a minimum of 7 ~ #4 dowels in accordance with Index No. 201 "OPTIONAL CONSTRUCTION JOINTS".

Index No. 211 (Sheets 1-2 of 2), “CURB INLET TOPS TYPES 5 & 6”, is deleted and Interim Index No. 211, (Sheets 1-5 of 5), Dated 01/01/08 is substituted.

Index No. 218 (Sheet 2 of 2), “STEEL GRATE”, “TOP VIEW”, for the overall dimension on the left side of the grate, insert “ 44 ¼””. For the small dimension at the upper left corner of the grate, insert “ 3 ½””.

Index No. 220 (Sheet 1 of 3), “GUTTER INLET TYPE S”, “SECTION BB”, at the top change “4’-3” Precast” to “3’-11” Precast”. Change the vertical dimension between the top of the inlet and the grate elevation from “ 5 ½”” to “ 4 ½””.

“SECTION AA”, at the top right corner, for precast thickness change “6” to “3” (same as left side).

Index No. 231 (Sheet 1 of 3), “DITCH BOTTOM INLET TYPE B”, “SECTION BB”, upper left side, delete the dimension “2’-6” (Min.)” and replace with “1’-10” (Min.)”.

Index No. 284 (Sheet 1 of 1), Delete note “2”, and substitute the following: “2. If spillway empties into an unpaved ditch the detail should be modified as necessary.”

Index No. 287 (Sheets 1-3 of 3), “CONCRETE PAVEMENT SUBDRAINAGE”, is deleted and Interim Index No. 287 (Sheets 1-4 of 4), Dated 01/01/08 is substituted.

Index No. 304 (Sheet 6 of 6), Note in upper right corner, change both occurrences of “Shall” to “Should”.

Index No. 305 (Sheets 1 and 4 of 4), “CONCRETE PAVEMENT JOINTS”, are deleted and Interim Index No. 305 (Sheets 1 and 4 of 4), Dated 01/01/08 is substituted.

Index No 310 (Sheet 1 of 2), “SIDEWALK WITH EDGE BEAM FOR SURFACE MOUNTED RAILINGS”, “Clear Width”, delete “3’ Min.” and substitute “4’ Min. *”.

“NOTES FOR CONCRETE SIDEWALK ON CURBED ROADWAYS”,
“Note 1”, delete and substitute the following: “1. Sidewalks shall be constructed in accordance with Section 522 of the FDOT Standard Specifications. Public sidewalk curb ramps shall include detectable warnings and be constructed in accordance with Index No. 304. Detectable warnings are not required where sidewalks intersect urban flared turnouts.”

“Note 3”, delete.

Index No. 310 (Sheet 2 of 2), “NOTES FOR CONCRETE SIDEWALKS ON UNCURBED ROADWAYS”, delete Note 2 and substitute the following: “2. Provide detectable warnings that extend the full width of the sidewalk and 24” deep from the edge of pavement where sidewalks adjoin the following vehicular ways:

- side roads and streets
- driveways with signalized entrances
- driveways with entrance volumes greater than 600 vpd
- driveways with entrance speeds of 25 mph or greater
- right in - right out composite driveways.

Detectable warning surfaces shall conform to the requirements described in the General Notes of Index 304. To the extent practical, the rows of truncated domes in a detectable warning surface should be aligned to be perpendicular or radial to the street, roadway, or driveway, as applicable.

For sidewalks continuous through driveways, detectable warning surfaces are not required.”

Index No. 400 (Sheet 15 of 24), “GUARDRAIL”, is deleted and Interim Index No. 400 (Sheet 15 of 24), Dated 01/01/08 is substituted.

Index No. 410 (Sheet 1 of 22), “CONCRETE BARRIER WALL”, is deleted and Interim Index No. 410 (Sheet 1 of 22), Dated 01/01/08 is substituted.

Index No. 410 (Sheet 20 of 22), “SECTION CC” and “SECTION DD”, change the height of rail dimension from “ 1’-6” ” to “ 1’-9” ”.

Index No. 414 (Sheets 1 and 5 of 15) "TYPE K TEMPORARY CONCRETE BARRIER SYSTEM", are deleted and Interim Index No. 414 (Sheets 1 and 5 of 15), Dated 01/01/08 are substituted.

Index No 415 (Sheet 4 of 10), “NOTES FOR WALL END SHIELDING”, Note 1, add “SCI” to the list of crash cushions in the second sentence.

“ANCHOR PLATE BOLTS”, upper note, change “?” to “ 3/4” ”.

Index No. 420 (Sheet 1 of 3) “TRAFFIC RAILING - (32” F SHAPE)”, add the following to the NAME, DATE AND BRIDGE NUMBER note: “The Name shall be as shown in the General Notes in the Structures Plans.”

Index No. 422 (Sheet 1 of 3) “TRAFFIC RAILING - (42” VERTICAL SHAPE)”, add the following to the NAME, DATE AND BRIDGE NUMBER note: “The Name shall be as shown in the General Notes in the Structures Plans.”

Index No. 423 (Sheets 1-3 of 3) “TRAFFIC RAILING - (32” VERTICAL SHAPE)”, is deleted and Interim Index No. 423, (Sheets 1-3 of 3), Dated 01/01/08 is substituted.

Index No. 424 (Sheet 1 of 7), “TRAFFIC RAILING - (CORRAL SHAPE)", add the following to the NAME, DATE AND BRIDGE NUMBER note: "The Name shall be as shown in the General Notes in the Structures Plans.”

Index No.425 (Sheet 1 of 3), “TRAFFIC RAILING - (42” F SHAPE)”, add the following to the NAME, DATE AND BRIDGE NUMBER note: “The Name shall be as shown in the General Notes in the Structures Plans.”

Index No. 470 (Sheets 1-3 of 3), “TRAFFIC RAILING - (THRIE-BEAM RETROFIT) GENERAL NOTES & DETAILS”, is deleted and Interim Index No. 470, (Sheets 1-3 of 3), Dated 01/01/08 is substituted.

Index No. 480 (Sheet 1 of 1) “TRAFFIC RAILING - (VERTICAL FACE RETROFIT) GENERAL NOTES & DETAILS”, add the following to the “ADHESIVE-BONDED

ANCHORS AND DOWELS” note, “The field testing proof loads required by Specification Section 416 shall be 23,800 lbs. for Dowel Bars 6D on the inside face (traffic side) of the railing (1'-0" embedment) and 18,500 lbs for Dowel Bars 6D along the outside face of the traffic railing (5" min. embedment).”

Index No. 505 (Sheets 1-3 of 3), “EMBANKMENT UTILIZATION”, is deleted and Interim Index No. 505 (Sheets 1-4 of 4), Dated 01/01/08 is substituted.

Index No. 518 (Sheet 3 of 3), “RUMBLE STRIPS”, is deleted and Interim Index No. 518 (Sheet 3 of 3), Dated 01/01/08 is substituted.

Index No. 546 (Sheet 5 of 6), Title under “INSET B”, delete “4-LANE” and insert “6-LANE”.

Index No. 600 (Sheet 2 of 12), “OVERHEAD WORK”, delete “OPTION 4 - - -” and substitute the following:

“OPTION 4 (OVERHEAD WORK MAINTAINING TRAFFIC WITH NO ENCROACHMENT BELOW THE OVERHEAD WORK AREA)

Traffic shall be detoured, shifted, diverted or paced as to not encroach in the area directly below the overhead work operations in accordance with the appropriate standard index drawing or detailed in the plans. This option applies to, but not limited to, the following construction activities:

- (a) Beam, girder and segment placement.
- (b) Deck form placement and removal.
- (c) Concrete deck placement.
- (d) Railing construction located at edge of deck.
- (e) Structure demolition.”

Index No. 600 (Sheet 3 of 12), “LANE WIDTHS”, in the second sentence, change the word “expected” to “excepted”.

Index No. 600 (Sheet 5 of 12), “SIGN COVERING AND INTERMITTENT WORK STOPPAGE SIGNING”, delete all text and substitute the following;

“Existing signs that conflict with temporary work zone signing shall be removed or fully covered. Traffic control signs that require covers when no work is being performed in a work area shall be fully covered.

Sign blanks or other available coverings must completely cover the existing sign. Rigid sign coverings shall be the same size as the sign it is covering, and bolted in a manner to prevent movement.

Sign covers are incidental to work operations and are not paid for separately.”

Index No. 600 (Sheet 5 of 12), add new heading and text: “PROJECT INFORMATION SIGN – The project information sign shall be installed when called for in the plans.”

Index No. 600 (Sheet 6 of 12), “GENERAL NOTES”, delete note 1 and substitute the following:

- “1. All signs shall be post mounted when work operations exceed one day except for:
- a) Road closure signs mounted in accordance with the vendor drawing for the Type III Barricade shown on the QPL.
 - b) Pedestrian advanced warning or regulatory signs mounted on sign supports shown on the QPL.”

“2 POST SIGN SUPPORT MOUNTING DETAILS”, update text to include a tolerance between sign supports. Insert “ +/- 3” ” after “ 1’-6” ” and insert “ +/- 6” ” after “2’-6” ”.

“POST AND FOUNDATION TABLE FOR WORK ZONE SIGNS”, expand Note 2 by adding: “unless otherwise specified in the vendor drawing on the QPL.”

Interim Index No. 600 (Sheet 13 of 13), “GENERAL INFORMATION FOR TRAFFIC CONTROL THROUGH WORK ZONES”, Dated 01-01-08 is added.

Index No. 802 (Sheets 1-2 of 2), “FENCE TYPE B”, is deleted and Interim Index No. 802 (Sheets 1-3 of 3), Dated 01/01/08 is substituted.

Index No. 820 (Sheet 1 of 1), “PEDESTRIAN/BICYCLE RAILING”, is deleted and Interim Index No. 820, Sheet 1 of 1 dated 01/01/08 is substituted.

Index No. 821 (Sheet 1 of 1) “ALUMINUM PEDESTRIAN/BICYCLE BULLET RAILING FOR TRAFFIC RAILING (32" F SHAPE)”, is deleted and Interim Index No. 821, Sheet 1 of 1 dated 01/01/08 is substituted.

Index No. 822 (Sheet 1 of 2), “ALUMINUM PEDESTRIAN/BICYCLE BULLET RAILING DETAILS” is deleted and Interim Index No. 822 (Sheet 1 of 1), Dated 01/01/08 is substituted.

Index No. 850 (Sheets 1-5 of 5), “STEEL PEDESTRIAN/BICYCLE PICKET RAILING”, is deleted and Interim Index No. 850, (Sheets 1-5 of 5) Dated 01/01/08 is substituted.

Index No. 851 (Sheets 1-2 of 2), “BRIDGE PEDESTRIAN/BICYCLE PICKET RAILING (STEEL)”, is deleted and Interim Index No. 851, (Sheets 1-2 of 2), Dated 01/01/08 is substituted.

Index No. 860 (Sheets 1-5 of 5) “ALUMINUM PEDESTRIAN/BICYCLE PICKET RAILING”, is deleted and Interim Index No. 860, (Sheets 1-5 of 5), Dated 01/01/08 is substituted.

Index No. 861 (Sheets 1-2 of 2) “BRIDGE PEDESTRIAN/BICYCLE PICKET RAILING (ALUMINUM)”, is deleted and Interim Index No. 861, Sheets 1-2 of 2), Dated 01/01/08 is substituted.

Index No. 870 (Sheets 1-5 of 5), “ALUMINUM PIPE GUIDERAIL”, is deleted and Interim Index No. 870, (Sheets 1-5 of 5), Dated 01/01/08 is substituted.

Index No. 880 (Sheet 1-5 of 5), “STEEL PIPE GUIDERAIL”, is deleted and Interim Index No. 880, (Sheets 1-5 of 5), Dated 01/01/08 is substituted

Index No. 5200 (Sheet 1 of 1), “PRECAST SOUND BARRIERS - GENERAL NOTES”, is deleted and Interim Index No. 5200, (Sheet 1 of 1), Dated 01/01/08 is substituted.

Index No. 5205 “PRECAST SOUND BARRIERS - PILE AND POST REINFORCING STEEL”, delete “Composite Bearing Pad” and substitute “Fiber Reinforced Bearing Pad” on SECTION T-T (Sheets 2 and 7 of 7) and SECTION B-B (Sheet 5 of 7).

Index No. 5300 (Sheets 3, 6, 7, 12 and 15 of 19), “PERMANENT RETAINING WALL SYSTEMS”, is deleted and Interim Index No. 5300 (Sheets 3, 6, 7, 12 and 15 of 19), Dated 01/01/08 is substituted.

Index No. 11200 (Sheets 1-3 of 3), “MULTI-COLUMN GROUND SIGN”, is deleted and Interim Index No. 11200 (Sheets 1-3 of 3), Dated 01/01/08 is substituted.

Index No. 11300 (Sheet 1 of 1), “OVERHEAD SIGN STRUCTURES”, is deleted and Interim Index No. 11300 (Sheet 1 of 1), Dated 01/01/08 is substituted.

Index No. 11310 (Sheet 1 of 5), “CANTILEVER SIGN STRUCTURE”, is deleted and Interim Index No. 11310 (Sheet 1 of 5), Dated 01/01/08 is substituted.

Index No. 11320 (Sheet 1 of 5), “SPAN SIGN STRUCTURE”, is deleted and Interim Index No. 11320 (Sheet 1 of 5), Dated 01/01/08 is substituted.

Index No. 11860 (Sheets 1-5 of 8), “SINGLE COLUMN GROUND SIGNS”, are deleted and Interim Index No. 11860 (Sheets 1-5 of 8), Dated 01/01/08 are substituted.

Index No. 17346 (Sheet 1 of 14), “PAVEMENT ARROW AND MESSAGE DETAILS”, “NOTE”, change both occurrences of “15” to “25”.

Index No. 17346 (Sheet 8 of 14), “SPECIAL EMPHASIS CROSSWALK YIELD MARKINGS”, delete the “W3-2” sign designation and substitute “W11-2” and “W16-9p”.

Index No. 17346 (Sheet 11 of 14), “SPECIAL MARKING AREAS (PARKING)”, is deleted and Interim Index No. 17346 (Sheet 11 of 14), Dated 01/01/08 is substituted.

Index No. 17349 (Sheet 1 of 1), “TRAFFIC CONTROLS FOR STREET TERMINATIONS”, is deleted and Interim Index No. 17349 (Sheet 1 of 1), Dated 01/01/08 is substituted.

Index No. 17356 (Sheet 1-2 of 2), "SPAN WIRE MOUNTED SIGN DETAILS", is deleted and Interim Index No. 17356 (Sheet 1 of 1), Dated 01/01/08 is substituted.

Index No. 17359 (Sheets 1-2 of 2), "RURAL NARROW BRIDGE TREATMENT", is deleted and Interim Index No. 17359 (Sheets 1-2 of 2), Dated 01/01/08 is substituted.

Index No. 17500 (Sheet 1 of 3), Concrete Light Pole is deleted from the Index.

Index No. 17502 (Sheets 3-5 of 7), "HIGHMAST LIGHTING", are deleted and Interim Index No. 17502 (Sheets 3-5 of 7), Dated 01/01/08 are substituted.

Index No. 17503 (Sheet 1 of 1), "ROADWAY LIGHTING DETAILS", "METAL POLE CONCRETE FOUNDATION DETAIL", delete the note "Anchor bolts - -" and substitute: "Anchor Bolts To Be Galvanized Per ASTM F2329".

Index No. 17505 (Sheet 1 of 2), "EXTERNAL LIGHTING FOR SIGNS", is deleted and Interim Index No. 17505 (Sheet 1 of 2), Dated 01/01/08 is substituted.

Index No. 17515 (Sheet 3 of 3), "STANDARD ROADWAY ALUMINUM LIGHTING", is deleted and Interim Index No. 17515 (Sheet 3 of 3), Dated 01/01/08 is substituted.

Index No. 17723 (Sheets 1-3 of 3), "STEEL STRAIN POLE", is deleted and Interim Index No. 17723, (Sheets 1-3 of 3), Dated 01/01/08 is substituted.

Index No. 17725 (Sheets 1-2 of 2), "CONCRETE POLES", is deleted and Interim Index No. 17725, (Sheets 1-2 of 2), Dated 01/01/08 is substituted.

Index No. 17743 (Sheets 1-3 of 3), "STANDARD MASTARM ASSEMBLIES", is deleted and Interim Index No. 17743, (Sheets 1-3 of 3), Dated 01/01/08 is substituted.

Index No. 17745 (Sheets 1 and 2 of 5), "MAST ARM ASSEMBLIES", are deleted and Interim Index No. 17745 (Sheets 1 and 2 of 5), Dated 01/01/08 is substituted.

Index No. 17748 (Sheet 1 of 1), "FREE-SWINGING, INTERNALLY-ILLUMINATED STREET SIGN ASSEMBLIES", is deleted and Interim Index No. 17748 (Sheet 1 of 1), Dated 01/01/08 is substituted.

Index No. 17784 (Sheet 1 of 2), "PEDESTRIAN DETECTOR ASSEMBLY INSTALLATION DETAILS", is deleted and Interim Index No. 17784 (Sheet 1 of 2), Dated 01/01/08 is substituted.

Index No. 20500 (Sheet 1 of 1), "COMPOSITE ELASTOMERIC BEARING PADS", is deleted and Interim Index No. 20500, (Sheet 1 of 1), Dated 01/01/08 is substituted

Index No. 20501 (Sheet 1 of 1), "BEVELED BEARING PLATE DETAILS - PRESTRESSED AASHTO AND BULB-T BEAMS", "NOTES", delete first sentence of note 4 and

substitute: "Provide Electroplated, Flat Countersunk Head Cap Screws in accordance with ASTM F 835. Electroplating shall be ASTM B 633, SC 2, Type 1."

Index No. 20502 (Sheet 1 of 1), "BEVELED BEARING PLATE DETAILS - PRESTRESSED FLORIDA U-BEAMS", "NOTES", delete first sentence of note 4 and substitute: "Provide Electroplated, Flat Countersunk Head Cap Screws in accordance with ASTM F 835. Electroplating shall be ASTM B 633, SC 2, Type 1."

Index No. 20602 (Sheet 1 of 1), "EDC INSTRUMENTATION FOR SQUARE PRESTRESSED CONCRETE PILES", is deleted and Interim Index No. 20602, (Sheet 1 of 1), Dated 01/01/08 is substituted.

Index No. 20900 (Sheet 2 of 2) "APPROACH SLABS (FLEXIBLE PAVEMENT APPROACHES)", is deleted and Interim Index No. 20900 (Sheet 2 of 2), dated 01/01/08 is substituted.

Index No. 20910 (Sheet 2 of 2) "APPROACH SLABS (RIGID PAVEMENT APPROACHES)", is deleted and Interim Index No. 20910 (Sheet 2 of 2), dated 01/01/08 is substituted

Index No. 21200 (Sheet 1 of 2), "LIGHT POLE PILASTER", (Sheet 1 of 2), is deleted and Interim Index No. 21200 (Sheet 1 of 2), Dated 01/01/08 is substituted.

Index No. 21600 (Sheet 3 of 7), "TEMPORARY DETOUR BRIDGE GENERAL NOTES AND DETAILS", is deleted and Interim Index No. 21600 (Sheet 3 of 7), Dated 01/01/08 is substituted.

Index No. 21803 (Sheet 3 of 3), "POST-TENSIONING ANCHORAGE AND GROUTING DETAILS", is deleted and Interim Index No. 21803 (Sheet 3 of 3), Dated 01/01/08 is substituted.