

DESIGN STANDARDS MODIFICATIONS

(2010 Booklet)

(English Units)

Effective Date: January 1, 2011

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

Index No. 002 (Sheet 2 of 3), "STANDARD SYMBOLS", is deleted and Interim Index No. 002 (Sheet 2 of 3), Dated 07/01/10 is substituted.

Index No. 100 (Sheet 1 of 1), "TEMPORARY SLOPE DRAIN AND SOD FLUME", is deleted.

Index No. 101 (Sheet 1 of 1), "TRASH RETAINER AND SEDIMENT BASIN", is deleted.

Index No. 102 (Sheets 1-3 of 3), "TEMPORARY EROSION AND SEDIMENT CONTROL", are deleted and Interim Index No. 102 (Sheet 1-3 of 3), Dated 01/01/10 is substituted.

Interim Index No. 102 (Sheet 2 of 3), Dated 01/01/10, "NOTES FOR SYNTHETIC BALES OR BALE TYPE BARRIERS", Note 6 is deleted and "6. Bales to be paid for under the contract unit price for Sediment Barriers, LF. The unit price shall include the cost of filter fabric and sand bags for Type I and II Barriers. Protection around inlets to be paid for as Inlet Protection System, EA." is substituted.

Note: Interim Index No. 102 (Sheets 1-3 of 3) has been retained for use by Utility Companies only.

Index No. 103 (Sheet 1 of 1), "TURBIDITY BARRIERS", is deleted.

Index No. 105 (Sheet 1 of 1), "GENERAL NOTES", Note 1. B. add the following text to end of note "Finish Soil Layer not required."

Index No. 106 (Sheet 1 of 1), "SOIL TRACKING PREVENTION DEVICE TYPE A", is deleted.

Index No. 200 (Sheet 1 of 5), "STRUCTURES BOTTOMS J AND P", is deleted and Interim Index No. 200 (Sheet 1 of 5), Dated 01/01/10 is substituted.

Index No. 201 (Sheet 3 & 4 of 5), "SUPPLEMENTAL DETAILS FOR MANHOLES AND INLETS", is deleted and Interim Index No. 201 (Sheet 3 & 4 of 5), Dated 01/01/10 is substituted.

Index No. 201 (Sheet 5 of 5), "RECTANGULAR SEGMENT WITH PIPE OPENING AT CORNER", NOTE: 3 text "Rectangular structures with corner openings must be approved by the Engineer." is deleted and "Submit Shop Drawings for approval of corner opening by the Engineer." is substituted.

Index No. 206 (Sheet 1 of 2), “GENERAL NOTES”, Note 1, delete the word “...designated...” from the last sentence, and from “DESIGN NOTES”, Note 4 delete “CSP” from the note so it now reads “4. Round pipe alternate is available in 12, 18, 24 and 36 inch.” and change detail title “ROUND CSP ALTERNATE” to “ROUND ALTERNATE”.

Index No. 211 (Sheets 1-3 of 5), “CURB INLET TOPS TYPE 5 & 6”, are deleted and Interim Index No. 211 (Sheet 1-3 of 5), Dated 01/01/10 is substituted.

Index No. 212 (Sheet 1 of 1), “GENERAL NOTES”, Note 1, delete the last sentence and substitute “Locate inlet outside of pedestrian way.”

Index No. 213 (Sheet 1 of 1), “GENERAL NOTES”, Note 1, delete the last sentence and substitute “Locate inlet outside of pedestrian way.”

Index No. 217 (Sheet 1 of 2), “GENERAL NOTES”, Note 2, delete the last two sentences and substitute “The reticuline grate shall be specified where bicycle traffic is anticipated. Used in areas of occasional pedestrian traffic. Not suitable for use in the pedestrian traffic or bicycle way.”

Index No. 218 (Sheet 1 of 2), “GENERAL NOTES”, Note 1, delete the second to last sentence and substitute “The inlet is suitable for bicycle and occasional pedestrian traffic, with roller bar installation (see inset B) but should not be placed in a designated pedestrian travel way.”

Index No. 219 (Sheet 1 of 2), “GENERAL NOTES”, Note 1, add “The inlet is suitable for bicycle and occasional pedestrian traffic with extended crossbar or bar stub (see inserts B&C). Inlet should not be placed in a pedestrian way.” to the end of note.

Index No. 220 (Sheet 1 of 3), “GUTTER INLET TYPE S”, is deleted and Interim Index No. 220 (Sheet 1 of 3), Dated 01/01/10 is substituted.

Index No. 220 (Sheet 1 of 3), “GENERAL NOTES”, Note 1, delete the last sentence and substitute “Locate inlet outside of pedestrian way.”

Index No. 221 (Sheet 1 of 2), “GUTTER INLET TYPE V”, is deleted and Interim Index No. 221 (Sheet 1 of 2), Dated 01/01/10 is substituted.

Index No. 231 (Sheet 2 of 3), “GENERAL NOTES”, Note 1.a, add to the end “Inlet not suitable for bicycle traffic.”

Index No. 232 (Sheet 3 of 7), “GENERAL NOTES”, Note 2, from the second sentence delete text “...bicycle and/or...” and add to the end of note “Traversable slots shall not be used in areas subject to occasional bicycle traffic.”

Index No. 233 (Sheets 1-2 of 2), “DITCH BOTTOM INLETS TYPES F & G”, are deleted and Interim Index No. 233 (Sheets 1-2 of 2), Dated 01/01/10 is substituted.

Index No. 245 (Sheet 1 of 1), “UNDERDRAIN INSPECTION BOX”, is deleted and Interim Index No. 245 (Sheet 1 of 1), Dated 01/01/10 is substituted.

Index No. 280 (Sheet 1 of 3), “CONCRETE COLLAR FOR JOINING MAINLINE AND STUB PIPE detail”, Leader Note, note should read “Max. Diameter = 1/2 of Main Line Pipe Diameter (or 1/2 Height of Elliptical Main Line Pipe)”.

Index No. 285 (Sheet 1 of 2), “FRENCH DRAIN, GENERAL NOTES”, Note 9 delete “...following the typical cross section...” from the first sentence and delete the second paragraph including bulleted items.

Index No. 289 (Sheet 5 of 7), “CONCRETE BOX CULVERT DETAILS (LRFD)”, is deleted and Interim Index No. 289 (Sheet 5 of 7), Dated 01/01/10 is substituted.

Index No. 291 (Sheet 3 of 5), “SUPPLEMENTAL DETAILS FOR PRECAST CONCRETE BOX CULVERTS”, is deleted and Interim Index No. 291 (Sheet 3 of 5), Dated 01/01/10 is substituted.

Index No. 292 (Sheet 2 of 14), “STANDARD PRECAST CONCRETE BOX CULVERTS”, add the following to the GENERAL NOTES, “11. Minimum length of precast box segments is 4 feet and maximum length is 16 feet.”

Index No. 304 (Sheet 1 of 6), “GENERAL NOTES”, Note 5, add the following text: “Detectable warnings are required on sidewalks at intersecting roads, streets and railroads. For requirements for detectable warnings on sidewalks at intersecting driveways, see Index 310.”

Index No. 307 (Sheet 1 of 3), “MISCELLANEOUS UTILITY DETAILS”, “GENERAL NOTES”, Note 6, delete the last sentence of the first paragraph. Under “PAVEMENT REMOVAL AND REPLACEMENT”, delete the second paragraph and substitute: “The replacement asphalt shall match the existing structural and friction courses for type and thickness in accordance with current FDOT asphalt mix specifications.”

Index No. 308 (Sheets 1-2 of 2), “CONCRETE SLAB REPLACEMENT”, are deleted and Interim Index No. 308 (Sheets 1-2 of 2), Dated 07/01/10 are substituted.

Index No. 310 (Sheet 1 of 2), “CONCRETE SIDEWALK”, is deleted and Interim Index No. 310 (Sheet 1 of 2), Dated 01/01/10 is substituted.

Index No. 400 (Sheet 1 of 26), “GENERAL NOTES” Note 4 add as the last sentence “For guardrail placed on slopes beyond the shoulder point, there shall be no deviation more than 1” below to 3” above the desired height within any 25 foot section of guardrail.”

Index No. 400 (Sheet 25 of 26), “GUARDRAIL”, “CONTROLLED RELEASE RETURN NOTES”, Note 3, delete the text: “the 32’ radius return is to be used only highway speed of 60 mph or less”.

Index No. 402 (Sheet 24 of 24), “GUARDRAIL TRANSITIONS AND CONNECTIONS FOR EXISTING BRIDGES”, is deleted and Interim Index No. 402 (Sheet 24 of 24), Dated 01/01/10 is substituted.

Index No. 403 (Sheet 3 of 3), “GUARDRAIL TRANSITIONS FOR EXISTING BRIDGE TRAFFIC RAILING RETROFITS”, is deleted and Interim Index No. 403 (Sheet 3 of 3), Dated 01/01/10 is substituted.

Index No. 410 (Sheets 3 & 5 of 25), “CONCRETE BARRIER WALL”, are deleted and Interim Index No. 410, (Sheets 3 & 5 of 25), Dated 07/01/10 are substituted.

Index No. 410 (Sheet 7 of 25), “CONCRETE BARRIER WALL”, is deleted and Interim Index No. 410 (Sheet 7 of 25), Dated 01/01/10 is substituted.

Index No. 410 (Sheet 9 of 25), “CONCRETE BARRIERS”, delete “PLAIN” in the header “WITH PLAIN CONCRETE BARRIER WALL (SHOULDER)”; delete “Plain” in the note “Plain Concrete Barrier Wall Shoulder.”

Index No. 414 (Sheet 1 of 15) “TYPE K TEMPORARY CONCRETE BARRIER SYSTEM”, is deleted and Interim Index No. 414 (Sheet 1 of 15), Dated 07/01/10 is substituted.

Index No. 415 (Sheet 1 of 10), “TEMPORARY CONCRETE BARRIERS”, delete “THROUGH SEPTEMBER 30, 2012” in the NOTICE note and replace with “LET THROUGH JUNE 30, 2012.”

Index No. 415 (Sheet 4 of 10), “NOTES FOR WALL END SHIELDING”, Note 5 delete the text “...Vehicular Impact Attenuator...” and substitute “...Crash Cushion...”

Index No. 415 (Sheet 5 of 10) “TEMPORARY CONCRETE BARRIER”, note at the crash cushion in the upper left corner and the fourth diagram down, add the following text to the end of the note: “or when shown on the crash cushion manufacturer’s drawings”.

Index No. 415 (Sheet 9 of 10), “NOTES”, Note 3 delete the text “...Vehicular Impact Attenuator...” and substitute “...Crash Cushion...”.

Index No. 417 (Sheet 1 of 1), “NOTES FOR TEMPORARY GATING CRASH CUSHIONS”, Note 7 delete the text “...Vehicular Impact Attenuator/...”.

Index No. 420 (Sheet 1 of 3), “TRAFFIC RAILING - (32” F SHAPE)”, is deleted and Interim Index No. 420 (Sheet 1 of 3), Dated 07/01/10 is substituted.

Index No. 421 (Sheet 1 of 3), “TRAFFIC RAILING - (MEDIAN 32” F SHAPE)”, is deleted and Interim Index No. 421 (Sheet 1 of 3), Dated 07/01/10 is substituted.

Index No. 422 (Sheet 1 of 3), “TRAFFIC RAILING - (42” VERTICAL SHAPE)”, is deleted and Interim Index No. 422 (Sheet 1 of 3), Dated 07/01/10 is substituted.

Index No. 423 (Sheet 1 of 3), “TRAFFIC RAILING - (32” VERTICAL SHAPE)”, is deleted and Interim Index No. 423 (Sheet 1 of 3), Dated 07/01/10, is substituted.

Index No. 424 (Sheet 1 of 7), “TRAFFIC RAILING - (CORRAL SHAPE)”, is deleted and Interim Index No. 424 (Sheet 1 of 7), Dated 07/01/10 is substituted.

Index No. 425 (Sheet 1 of 3), “TRAFFIC RAILING - (42” F SHAPE)”, is deleted and Interim Index No. 425 (Sheet 1 of 3), Dated 07/01/10 is substituted.

Index No. 470 (Sheet 1 of 3), “TRAFFIC RAILING - (THRIE-BEAM RETROFIT) GENERAL NOTES & DETAILS” is deleted and Interim Index No. 470 (Sheet 1 of 3), Dated 07/01/10 is substituted.

Index No. 480 (Sheet 1 of 2), “TRAFFIC RAILING - (VERTICAL FACE RETROFIT) GENERAL NOTES & DETAILS”, is deleted and Interim Index No. 480 (Sheet 1 of 2), Dated 07/01/10 is substituted.

Index No. 481 (Sheet 1 of 3), “TRAFFIC RAILING - (VERTICAL FACE RETROFIT) NARROW CURB”, is deleted and Interim Index No. 481 (Sheet 1 of 3), Dated 07/01/10 is substituted.

Index No. 482 (Sheet 1 of 4), “TRAFFIC RAILING - (VERTICAL FACE RETROFIT) WIDE CURB”, is deleted and Interim Index No. 482 (Sheet 1 of 4), Dated 07/01/10 is substituted.

Index No. 483 (Sheet 1 of 3), “TRAFFIC RAILING - (VERTICAL FACE RETROFIT) INTERMEDIATE CURB”, is deleted and Interim Index No. 483 (Sheet 1 of 3), Dated 07/01/10 is substituted.

Index No. 501 (Sheets 5-9 of 9), “GEOSYNTHETIC REINFORCED SOILS” are deleted and Interim Index No. 501 (Sheets 5-10 of 10), Dated 01/01/10 are substituted.

Index No. 510 (Sheet 1 of 2), in the heading to the notes for “SUPERELEVATION TRANSITIONS”, delete the second occurrence of “IN ALL”.

Index No. 515 (Sheets 2 & 4 of 7), “TURNOUTS”, is deleted and Interim Index No. 515, (Sheets 2 & 4 of 7), Dated 01/01/10 is substituted.

Index No. 515 (Sheet 6 of 7), “TURNOUTS”, Detail, delete text “LOW VOLUME” and substitute “RESIDENTIAL OR LOW VOLUME COMMERCIAL” and delete text “LARGE COMMERCIAL OR PUBLIC ROAD OR STREET” and substitute “PUBLIC ROAD OR STREET OR LARGE COMMERCIAL”.

Index No. 520 (Sheet 1 of 1), “GRAVITY WALL”, in the “ESTIMATED QUANTITIES FOR WALL” table, change “CLASS I CONCRETE” to “CLASS NS CONCRETE”.

Index No. 546 (Sheets 1, 2, 5 & 6 of 6), “SIGHT DISTANCE AT INTERSECTIONS”, are deleted and Interim Index No. 546 (Sheets 1, 2, 5 & 6 of 6), Dated 07/01/10 are substituted.

Index No. 560 (Sheet 1 of 1), “CROSSING SURFACES” is deleted and Interim Index No. 560 (Sheets 1-2 of 2), Dated 01/01/10 is substituted.

Index No. 600 (Sheet 1 of 13), “GENERAL INFORMATION FOR TRAFFIC CONTROL THROUGH WORK ZONES”, “ABBREVIATIONS”, change description of “TMA” to read: “Truck/Trailer Mounted Attenuator”.

(Sheet 2 of 13), “TEMPORARY TRAFFIC CONTROL DEVICES”, delete existing text and substitute the following: “All temporary traffic control devices shall be on either the Department’s Qualified Products List (QPL) or the Department’s Approved Products List (APL). Ensure the appropriate QPL or APL number is permanently marked on the device at a readily visible location.

All temporary traffic control devices shall be removed as soon as practical when they are no longer needed. When work is suspended for short periods of time, temporary traffic control devices that are no longer appropriate shall be removed or covered.

Arrow Panels, Portable Changeable Message Signs, Radar Speed Display Trailers, Portable Regulatory Signs, and any other trailer mounted device shall be delineated with a temporary traffic control device placed at each corner when in use and shall be moved outside the travel way and clear zone or be shielded by a barrier or crash cushion when not in use.”

(Sheet 5 of 13), “END ROAD WORK SIGN”, change sign code from “(G20-2A)” to “(G20-2)”

(Sheet 5 of 13), “INTERSECTING ROAD SIGNING” Delete paragraph and substitute: “Signing for the control of traffic entering and leaving work zones by way of intersecting crossroads shall be adequate to make drivers aware of work zone conditions. If work operations exceed 60 minutes, intersection leg signing will be no less than the ROAD WORK AHEAD sign.”

(Sheet 6 and 7 of 13), “GENERAL INFORMATION FOR TRAFFIC CONTROL THROUGH WORK ZONE”, is deleted and Interim Index No. 600, (Sheet 6 and 7 of 13), Dated 01/01/10 is substituted.

(Sheet 9 of 13), “CHANNELIZING AND LIGHTING DEVICES”, delete the second paragraph.

(Sheet 9 of 13), “TRUCK MOUNTED ATTENUATORS”, change heading to: “TRUCK/TRAILER MOUNTED ATTENUATORS”, and change first sentence of text to read, “Truck/trailer mounted attenuators”.

(Sheet 9 of 13), “REMOVING PAVEMENT MARKINGS” delete the existing text and replace with the following: “Existing pavement markings that conflict with temporary work zone delineation shall be removed by any method approved by the Engineer, where operations exceed one daylight period. Painting over existing pavement markings with black paint or spraying with asphalt shall not be accepted as a substitute for removal or obliteration. Full pavement width overlays of either a structural or friction course are a positive means to achieve obliteration.”

(Sheet 10 of 13), in the Note beneath the “DROP-OFF PROTECTION REQUIREMENTS” table, change reference to “Index No. 600 sheet 3”.

(Sheet 10 of 13), Add to Sheet, "PEDESTRAIN AND/OR BICYCLIST WAY DROP-OFF CONDITION NOTES"

- 1) A pedestrian and/or bicyclist way drop-off is defined as:
 - a) a drop in elevation greater than 10 inches that is closer than 2 feet from the edge of the pedestrian or bicyclist way
 - b) a slope steeper than 1:2 that begins closer than 2 feet from the edge of the pedestrian or bicyclist way when the total drop-off is greater than 30 inches.
- 2) Any drop-off adjacent to a pedestrian or bicyclist way shall be protected with warning devices, temporary barrier wall or approved handrail."

(Sheet 11 of 13), "PLACEMENT OF BUSINESS ENTRANCE SIGNS AND CHANNELIZING DEVICES AT BUSINESS ENTRANCE" add the following text as new note no. 5. "Business entrance signs are intended to guide motorist to business entrances moved/modified or disturbed during construction projects. Business entrance signs are not required where there is minimal disruption to business driveways such as is often the case with resurfacing type projects."

(Sheet 12 of 13), "CHANNELIZING AND LIGHTING DEVICE NOTES", delete notes 1 and 2 and renumber remaining notes.

Index 603 (Sheet 2 of 2) "TWO-LANE TWO-WAY, WORK WITHIN THE TRAVEL WAY", is deleted and Interim Index No 603 (Sheet 2 of 2), Dated 07/01/10 is substituted.

Index 613 (Sheet 1 of 2) "DURATION NOTES", delete the existing text and replace with the following:

- 1) Temporary white edge line may be omitted for work that occupies a location for less than 3 consecutive calendar days.
- 2) For work operations up to approximately 15 minutes, signs, channelizing devices, arrow panel and buffer space may be omitted if all of the following conditions are met:
 - a) Speed limit is 45 mph or less.
 - b) No sight obstructions to vehicles approaching the work area for a distance equal to the buffer space and the taper length combined.
 - c) Volume and complexity of the roadway has been considered.
 - d) The closed lane is occupied by a class 5 or larger, medium duty truck(s) with a minimum gross weight vehicle rating (GWVR) of 16,001 lb with high-intensity, rotating, flashing, oscillating, or strobe lights mounted above the cab height and operating.
- 3) For work operations up to 60 minutes, arrow panel and buffer space may be omitted if conditions a, b, and c in DURATION NOTE 2 are met, and vehicles in the work area have high-intensity, rotating, flashing, oscillating, or strobe lights operating.

Index 616 (Sheet 1 of 3), "DURATION NOTES", delete the existing text and replace with the following:

- 1) For work operations up to approximately 15 minutes, signs, channelizing devices, and arrow panel may be omitted if all of the following conditions are met:

- a) Speed limit is 45 mph or less.
 - b) No sight obstructions to vehicles approaching the work area for a distance equal to twice the taper length.
 - c) Volume and complexity of the roadway has been considered.
 - d) The closed lane is occupied by a class 5 or larger, medium duty truck(s) with a minimum gross weight vehicle rating (GWVR) of 16,001 lb with high-intensity, rotating, flashing, oscillating, or strobe lights mounted above the cab height and operating.
- 2) For work operations up to 60 minutes, the arrow panel may be omitted if conditions a, b, and c in DURATION NOTE 1 are met, and vehicles in the work area have high-intensity, rotating, flashing, oscillating, or strobe lights operating.

Index No. 619 (Sheet 1 of 1), "GENERAL NOTES", NOTE: 4 change "...shadow vehicle and attenuators." to "...shadow vehicle and attenuator."

Interim Index No. 623 (Sheet 1 of 1), "MULTILANE, WORK WITHIN THE TRAVEL WAY DOUBLE LANE CLOSURE", Dated 07/01/10 is added.

Index No. 628 (Sheet 1 of 1), "TWO-WAY LEFT TURN LANE CLOSURE", is deleted and Interim Index No.628 (Sheet 1 of 1), Dated 07/01/10 is substituted.

Index No. 667 (Sheet 1 of 6), "GENERAL NOTES", Note 4, delete existing text: "Aerial work requires the use of a truck mounted attenuator." and substitute the following text: "A truck/trailer mounted attenuator is required."

(Sheet 2 of 6), "GENERAL NOTES", Note 4, delete existing text: "Aerial work requires the use of a truck mounted attenuator." and substitute the following text: "A truck/trailer mounted attenuator is required."

(Sheet 3 of 6), "GENERAL NOTES", Note 5, delete existing text: "Aerial work requires the use of a truck mounted attenuator." and substitute the following text: "A truck/trailer mounted attenuator is required."

(Sheet 4 of 6), "GENERAL NOTES", Note 5, delete existing text: "Aerial work requires the use of a truck mounted attenuator." and substitute the following text: "A truck/trailer mounted attenuator is required."

(Sheet 5 of 6), "GENERAL NOTES", Note 3, delete existing text: "Aerial work requires the use of a truck mounted attenuator." and substitute the following text: "A truck/trailer mounted attenuator is required."

Index No. 667 (Sheet 6 of 6), "TOLL PLAZA TRAFFIC CONTROL STANDARDS", is deleted and Interim Index No.667 (Sheet 6 of 6), Dated 01/01/10 is substituted.

Index No. 801 (Sheet 1 of 3), "FENCE TYPE A", is deleted and Interim Index No. 801 (Sheet 1 of 3), Dated 01/01/10 is substituted.

Index 802 (Sheet 1 of 3), TYPE B FENCE, Note F, in title delete “operations” and substitute “options”.

Index 803 (Sheet 1 of 1), “CANTILEVERED SLIDE GATE TYPE B FENCE”, “GENERAL NOTES”, Note 1, delete the first paragraph.

Index No. 820 (Sheet 1 of 1), “PEDESTRIAN/BICYCLE RAILING”, is deleted and Interim Index No. 820 (Sheet 1 of 1), “**PEDESTRIAN/BICYCLE BULLET RAILING**”, Dated 07/01/10 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 07/01/10 is substituted.

Index No. 822 (Sheets 1-2 of 2), “**ALUMINUM PEDESTRIAN/BICYCLE BULLET RAILING DETAILS**”, is deleted and Interim Index No. 822 (Sheet 1-3 of 3), Dated 07/01/10 is substituted.

Interim Index No. 825 (Sheets 1-2 of 2), “**CONCRETE PEDESTRIAN/BICYCLE 42” RAILING**”, Dated 07/01/10 is added.

Interim Index No. 826 (Sheets 1-2 of 2), “**CONCRETE PEDESTRIAN/BICYCLE 54” RAILING**”, Dated 07/01/10 is added.

Index No. 850 (Sheets 1-5 of 5), “STEEL PEDESTRIAN/BICYCLE PICKET RAILING”, are deleted and Interim Index No. 850 (Sheets 1-5 of 5), Dated 07/01/10 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 07/01/10 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 07/01/10 is substituted.

Index No. 880 (Sheet 1-5 of 5) “STEEL PIPE GUIDERAIL”, is deleted and Interim Index No. 880 (Sheet 1-5 of 5), Dated 07/01/10, 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 07/01/10 is substituted.

Index No. 5202 (Sheets 1-4 of 4), “PRECAST SOUND BARRIERS - FLUSH PANEL OPTION”, are deleted and Interim Index No. 5202 (Sheets 1-6 of 6), Dated 07/01/10 is substituted.

Index No. 5203 (Sheets 1-5 of 5), “PRECAST SOUND BARRIERS - RECESSED PANEL OPTION”, are deleted and Interim Index No. 5203 (Sheets 1-6 of 6), Dated 01/01/10 is substituted.

Index No. 5204 (Sheet 1 of 1), “PRECAST SOUND BARRIERS - FIRE HOSE ACCESS HOLE & DRAINAGE DETAILS”, is deleted and Interim Index No. 5204, (Sheet 1 of 1), Dated 01/01/10 is substituted.

Index No. 5205 (Sheets 1, 2, & 3 of 7), “PRECAST SOUND BARRIERS - PILE AND POST REINFORCING STEEL”, are deleted and Interim Index No. 5205 (Sheets 1, 2, & 3 of 7), Dated 01/01/10 is substituted.

Index No. 5206 (Sheet 1 of 1), “PRECAST SOUND BARRIERS - PILE DEPTH AND REINFORCING SUMMARY”, is deleted and Interim Index No. 5206 (Sheets 1-2 of 2), Dated 07/01/10 is substituted.

Index No. 5210 (Sheet 1 of 5), “TRAFFIC RAILING/SOUND BARRIER (8'-0”)”, is deleted and Interim Index No. 5210 (Sheet 1 of 5), Dated 07/01/10 is substituted.

Index No. 5300 (Sheets 7, 13, 16- 18 of 19), “PERMANENT RETAINING WALL SYSTEMS”, are deleted and Interim Index No. 5300 (Sheets 7, 13, 16, 17 & 18 of 19), Dated 01/01/10 is substituted.

Index No. 11200 (Sheets 1-2 of 2), “MULTI COLUMN GROUND SIGN”, is deleted and Interim Index No 11200 (Sheets 1-2 of 2), Dated 01/01/10 is substituted.

Interim Index No. 11200 (Sheets 1-2 of 2), “MULTI COLUMN GROUND SIGN”, Dated 01/01/10 are deleted and Interim Index No 11200 (Sheets 1-2 of 2), Dated 07/01/10 are substituted.

Index No. 11300 (Sheet 1 of 1), “OVERHEAD SIGN STRUCTURES”, is deleted and Interim Index No. 11300 (Sheet 1 of 1), Dated 01/01/10 is substituted.

Index No. 11310 (Sheets 1-3 of 5) “CANTILEVER SIGN STRUCTURE”, is deleted and Interim Index No. 11310 (Sheets 1-3 of 5), Dated 07/01/10 is substituted.

Index No. 11320 (Sheets 1, 2 & 5 of 5) “SPAN SIGN STRUCTURE”, is deleted and Interim Index No. 11320 (Sheets 1, 2 & 5 of 5), Dated 07/01/10 is substituted.

Index No. 11860 (Sheets 1 & 5 of 8), “SINGLE COLUMN GROUND SIGNS”, is deleted and Interim Index No. 11860 (Sheets 1 & 5 of 8), Dated 07/01/10 is substituted.

Interim Index No. 11870 (Sheets 1-2 of 2), “SINGLE POST BRIDGE MOUNTED SIGNS” Dated 07/01/10 is added.

Index No 13417 (Sheet 1 of 1), “MOUNTING EXIT NUMBERING PANELS TO HIGHWAY SIGNS”, is deleted and Interim Index No. 13417 (Sheet 1 of 1), Dated 01/01/10 is substituted.

Index No. 17302 (Sheet 1 of 1), “TYPICAL SECTIONS FOR PLACEMENT OF SINGLE & MULTI-COLUMN SIGNS”, “CASE 1X (MILE POST MARKER)”, change the height of the marker to be 4” to the bottom edge of the marker panel.

Index No. 17302 (Sheet 1 of 1), “TYPICAL SECTIONS FOR PLACEMENT OF SINGLE & MULTI-COLUMN SIGNS”, “CASE 1X (MILE POST MARKER)”, change the Manual On Uniform Traffic Control Devices (MUTCD) reference from “Part 2D-46” to “Section 2H”.

Index No.17344 (Sheets 2-3 of 6), “SCHOOL SIGNS & MARKINGS”, Dated 07/01/09 are deleted and Interim Index No. 17344 (Sheets 2-3 of 6), Dated 01/01/10 are substituted.

Index No. 17345 (Sheets 2 & 3 of 4), “INTERCHANGE MARKINGS”, is deleted and Interim Index No 17345 (Sheets 2 & 3 of 4), Dated 07/01/10 is substituted.

Index No. 17346 (Sheet 2 of 14), “SPECIAL MARKING AREAS”, “PAVEMENT MARKINGS FOR INTERSECTIONS WITH MAJOR AND MINOR ROADS”, for the 6” white line at the left turn lane, delete the text “Begins Opposite Radius Point”.

Index No. 17346 (Sheet 4 of 14) “SPECIAL MARKING AREAS”, detail in lower left corner, last note, change “2 of 13” to “3 of 14”.

Index No. 17346 (Sheet 7 & 10 of 14), “SPECIAL MARKING AREAS”, are deleted and Interim Index No. 17346 (Sheet 7 & 10 of 14), Dated 01/01/10 is substituted.

Interim Index No. 17346 (Sheet 7 of 14), “SPECIAL MARKING AREAS”, Dated 01/01/10 is deleted and Interim Index No. 17346 (Sheet 7 of 14), Dated 07/01/10 is substituted.

Index No. 17346 (Sheet 14 of 14), “SPECIAL MARKING AREAS”, Note 2 delete text “...Be 0.45 To 0.55 Inches Above The Pavement Surface At The Edge Of The Marking.” and replace with “...Be A Minimum Of 0.45 Inches Above The Pavement Surface At The Edge Of The Marking.”

Index No. 17352 (Sheet 1 of 2), “TYPICAL PLACEMENT OF REFLECTIVE PAVEMENT MARKERS”, “Note 3”, insert “longitudinal” between “solid” and “lines”.

Index 17352 (Sheet 2 of 2) “TYPICAL PLACEMENT OF REFLECTIVE PAVEMENT MARKERS, NOTES”, is deleted and Interim Index No. 17352 (Sheet 2 of 2), Dated 01/01/10 is substituted.

Index No.17354 (Sheet 1 of 1), “TOURIST ORIENTED DIRECTIONAL SIGNS” Dated 01/01/10 is added.

Index No. 17355 (Sheets 7 & 8 of 11) “SPECIAL SIGN DETAILS”, are deleted and Interim Index No. 17355 (Sheets 7 & 8 of 11), Dated 01/01/10 are substituted.

Index No. 17355 (Sheet 9 of 11), “SPECIAL SIGN DETAILS”, is deleted and Interim Index No. 17355 (Sheet 9 of 11), Dated 07/01/10 is substituted.

Index No. 17357 (Sheet 1 of 1) “BRIDGE WEIGHT RESTRICTIONS”, change Sign R12-5 size from 30”x36” to 24”x36”.

Index No. 17500 (Sheet 1 of 3), “CONVENTIONAL LIGHTING”, add a 12” bed of Pearock or crushed stone for drainage under pull box, for both the ‘METAL POLE WIRING DETAIL’ and the ‘METAL POLE DETAIL’.

Index No. 17500 (Sheets 1-3 of 3), “CONVENTIONAL LIGHTING”, are deleted and Interim Index No. 17500 (Sheets 1-3 of 3), Dated 07/01/10 are substituted.

Index No. 17502 (Sheets 2, 3, 5 & 7 of 7), “HIGHMAST LIGHTING”, are deleted and Interim Index No. 17502 (Sheets 2, 3, 5 & 7 of 7), Dated 07/01/10 are substituted.

Index No. 17504 (Sheet 1 of 1), “SERVICE POINT DETAILS”, “DETAIL B”, drawing on the left; delete “(See Detail Index 17503)”.

Index No. 17505 (Sheet 1 of 2), “EXTERNAL LIGHTING FOR SIGNS”, is deleted and Interim Index No. 17505, (Sheet 1 of 2), Dated 07/01/10 is substituted.

Index No. 17600 (Sheet 1 of 3), “MOTORIST AID CALL BOX”, is deleted and Interim Index No. 17600 (Sheet 1 of 3), Dated 07/01/10 is substituted.

Interim Index No. 17700 (Sheet 1 of 1), “PULL, SPLICE AND JUNCTION BOX”, is added.

Index No. 17723 (Sheets 1-2 of 3) “STEEL STRAIN POLE”, are deleted and Interim Index No. 17723 (Sheets 1-2 of 3), Dated 07/01/10 are substituted.

Index 17725 (Sheet 2 of 2), “CONCRETE POLES” is deleted and Interim Index No. 17725 (Sheet 2 of 2), Dated 07/01/10 is substituted.

Index No. 17727 (Sheet 1-2 of 2), “SIGNAL CABLE & SPAN WIRE INSTALLATION DETAILS”, is deleted and Interim Index No.17727 (Sheet 1-2 of 2), Dated 01/01/10 is substituted.

Index 17745 (Sheets 1, 2 & 5 of 5), “MAST ARM ASSEMBLIES”, are deleted and Interim Index No. 17745 (Sheets 1, 2 & 5 of 5), Dated 07/01/10 are substituted.

Index No. 17764 (Sheet 1 of 1), “PEDESTRIAN CONTROL SIGNAL INSTALLATION DETAILS”, Transformer base detail, change Leader note from “4” steel pedestal” to “4” aluminum pedestal”.

Index No. 17784 (Sheet 1 of 2), “PEDESTRIAN DETECTOR ASSEMBLY INSTALLATION DETAILS”, Transformer base detail, change Leader note from “4” steel pedestal” to “4” aluminum pedestal”.

Index No. 17784 (Sheet 2 of 2), “PEDESTRIAN DETECTOR ASSEMBLY INSTALLATION DETAILS”, “CASE I”, change “FIGURE F”, to “FIGURE E”. “CASE II”, add “ALTERNATE TO FIGURE E”.

Index No 17882 (Sheet 3 of 4), “RAILROAD CROSSING AT MULTILANE ROADWAY” detail, changed leader note from “ * ” to “See Note 5”.

Index No. 17890 (Sheet 2 of 3), “FIGURE-G”, Delete note describing DRAW BRIDGE AHEAD sign and replaced with FTP-84-09.

Index No. 17900 (Sheet 7 of 7), SOLAR POWER POLE WITH POLE MTD. CABINET & SOLAR POWER POLE WITH BASE MTD. CABINET details, change leader note “Pull box (Ref. Index 17721)” to “Pull box (Ref. Index 17700)”.

Index No. 18102 (Sheet 1 of 2), “CCTV POLE GROUDING”, “STEEL POLE”, remove “Grout Pad Optional” and replace with “Wire Screen, See Spec 649-6”. In note beginning “Bond #2 AWG...”, correct spelling of “sectional”.

Index No. 18110 (Sheets 1-2 of 2), “CAMERA MOUNTING DETAILS”, is deleted and Interim Index No. 18110 (Sheets 1-2 of 2), Dated 01/01/10 is substituted.

Index No. 18111 (Sheets 1-2 of 2), “STEEL CCTV POLE”, is deleted and Interim Index No. 18111 (Sheets 1-2 of 2), Dated 01/01/10 is substituted.

Index No. 18113 (Sheets 1-2 of 2), “CONCRETE CCTV POLE”, is deleted and Interim Index No. 18113 (Sheets 1-2 of 2), Dated 01/01/10 is substituted.

Index No. 18300 (Sheet 1 of 1), “DMS CABINET AND SIGN WIRING AND BLOCK DIAGRAM”, is deleted and Interim Index No 18300 (Sheets 1-10 of 10), “DYNAMIC MESSAGE SIGN WALK-IN”, Dated 07/01/10 are substituted.

Index No. 18301 (Sheets 1 of 1), “DMS GROUNDING DETAILS”, is deleted. (Now included in Index 18300 as sheet 9.)

Index No. 18302 (Sheet 1 of 1), “TYPICAL DMS MOUNTING DETAILS”, is deleted. (Now included in Index 18300 as sheet 1.)

Index No. 18303 (Sheets 1-2 of 2), “TYPICAL DMS MOUNTING DETAILS”, is deleted. (Now included in Index 18300 as sheets 2 and 3.)

Index No. 18305 (Sheets 1-2 of 2), “DMS GROUNDING DETAILS”, is deleted. (Now included in Index 18300 as sheets 6 and 7.)

Interim Index No. 20005 (Sheet 1 of 1), “PRESTRESSED BEAM TEMPORARY BRACING”, Dated 01/01/10, is added.

Interim Index No. 20010 (Sheets 1-2 of 2), “TYPICAL FLORIDA-I BEAM DETAILS AND NOTES”, Dated 07/01/10, is added.

Interim Index No. 20036 (Sheets 1-2 of 2), “FLORIDA-I 36 BEAM - STANDARD DETAILS”, Dated 07/01/10, is added.

Interim Index No. 20045 (Sheets 1-2 of 2), “FLORIDA-I 45 BEAM - STANDARD DETAILS”, Dated 07/01/10, is added.

Interim Index No. 20054 (Sheets 1-2 of 2), “FLORIDA-I 54 BEAM - STANDARD DETAILS”, Dated 07/01/10, is added.

Interim Index No. 20063 (Sheets 1-2 of 2), “FLORIDA-I 63 BEAM - STANDARD DETAILS”, Dated 07/01/10, is added.

Interim Index No. 20072 (Sheets 1-2 of 2), "FLORIDA-I 72 BEAM - STANDARD DETAILS", Dated 07/01/10, is added.

Interim Index No. 20078 (Sheets 1-2 of 2), "FLORIDA-I 78 BEAM - STANDARD DETAILS", Dated 07/01/10, is added.

Interim Index No. 20084 (Sheets 1-2 of 2), "FLORIDA-I 84 BEAM - STANDARD DETAILS", Dated 07/01/10, is added.

Interim Index No. 20096 (Sheets 1-2 of 2), "FLORIDA-I 96 BEAM - STANDARD DETAILS", Dated 07/01/10, is added.

Index No. 20199 (Sheet 1 of 1), "BUILD-UP & DEFLECTION DATA FOR AASHTO, BULB-T AND FLORIDA-I BEAMS", is deleted and Interim Index No. 20199 (Sheet 1 of 1), Dated 01/01/10 is substituted.

Index No. 20210 (Sheet 2 of 2), "TYPICAL FLORIDA-U BEAM DETAILS AND NOTES", is deleted and Interim Index No. 20210 (Sheet 2 of 2), Dated 01/01/10 is substituted.

Interim Index No. 20350 (Sheets 1-3 of 3), "PRESTRESSED SLAB UNITS DETAILS AND NOTES", Dated 01/01/10, is added.

Interim Index No. 20350 (Sheet 3 of 3), "PRESTRESSED SLAB UNITS DETAILS AND NOTES", Dated 01/01/10, is deleted and Interim Index No. 20350 (Sheet 3 of 3), Dated 07/01/10 is substituted.

Interim Index No. 20353 (Sheet 1 of 1), "12" CUSTOM WIDTH PRESTRESSED SLAB UNIT - STANDARD DETAILS", Dated 01/01/10, is added.

Interim Index No. 20354 (Sheet 1 of 1), "12"x48" PRESTRESSED SLAB UNIT - STANDARD DETAILS", Dated 01/01/10, is added.

Interim Index No. 20355 (Sheet 1 of 1), "12"x60" PRESTRESSED SLAB UNIT - STANDARD DETAILS", Dated 01/01/10, is added.

Interim Index No. 20363 (Sheet 1 of 1), "15" CUSTOM WIDTH PRESTRESSED SLAB UNIT - STANDARD DETAILS", Dated 01/01/10, is added.

Interim Index No. 20364 (Sheet 1 of 1), "15"x48" PRESTRESSED SLAB UNIT - STANDARD DETAILS", Dated 01/01/10, is added.

Interim Index No. 20365 (Sheet 1 of 1), "15"x60" PRESTRESSED SLAB UNIT - STANDARD DETAILS", Dated 01/01/10, is added.

Interim Index No. 20399 (Sheet 1 of 1), "OVERLAY & DEFLECTION DATA FOR PRESTRESSED SLAB UNITS", Dated 01/01/10, is added.

Index No. 20500 (Sheet 1 of 1), “COMPOSITE ELASTOMERIC BEARING PADS”, is deleted and Interim Index No. 20500 (Sheet 1 of 1), “COMPOSITE ELASTOMERIC BEARING PADS - PRESTRESSED AASHTO & BULB-T BEAMS”, Dated 01/01/10 is substituted.

Index No. 20501 (Sheet 1 of 1), “BEVELED BEARING PLATE DETAILS - PRESTRESSED AASHTO AND BULB-T BEAMS”, is deleted and Interim Index No. 20501 (Sheet 1 of 1), Dated 01/01/10 is substituted.

Index No. 20502 (Sheet 1 of 1), “BEVELED BEARING PLATE DETAILS - PRESTRESSED FLORIDA-U BEAMS”, is deleted and Interim Index No. 20502 (Sheet 1 of 1), Dated 01/01/10 is substituted.

Interim Index No. 20510 (Sheet 1 of 1), “COMPOSITE ELASTOMERIC BEARING PADS - PRESTRESSED FLORIDA-I BEAMS”, Dated 01/01/10, is added.

Interim Index No. 20510 (Sheet 1 of 1), “COMPOSITE ELASTOMERIC BEARING PADS – PRESTRESSED FLORIDA-I BEAMS”, Dated 01/01/10 is deleted and Interim Index No. 20510 (Sheet 1 of 1), “COMPOSITE ELASTOMERIC BEARING PADS – PRESTRESSED FLORIDA-I BEAMS”, Dated 07/01/10 is substituted.

Interim Index No. 20511 (Sheets 1-2 of 2), “BEARING PLATE DETAILS - PRESTRESSED FLORIDA-I BEAMS”, Dated 01/01/10, is added.

Interim Index No. 20512 (Sheets 1-2 of 2), “BEARING PLATE DETAILS - PRESTRESSED FLORIDA-I BEAMS”, Dated 07/01/10, is added.

Index No. 20600 (Sheet 1 of 1), “NOTES AND DETAILS FOR SQUARE PRESTRESSED CONCRETE PILES”, is deleted and Interim Index No. 20600, (Sheet 1 of 1), Dated 07/01/10 is substituted.

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 01/01/10 is substituted.

Index No. 20612 (Sheet 1 of 1), “12” SQUARE PRESTRESSED CONCRETE PILE”, is deleted and Interim Index No. 20612, (Sheet 1 of 1), Dated 07/01/10 is substituted.

Index No. 20614 (Sheet 1 of 1), “14” SQUARE PRESTRESSED CONCRETE PILE”, is deleted and Interim Index No. 20614, (Sheet 1 of 1), Dated 07/01/10 is substituted.

Index No. 20618 (Sheet 1 of 1), “18” SQUARE PRESTRESSED CONCRETE PILE”, is deleted and Interim Index No. 20618, (Sheet 1 of 1), Dated 07/01/10 is substituted.

Index No. 20620 (Sheet 1 of 1), “20” SQUARE PRESTRESSED CONCRETE PILE”, is deleted and Interim Index No. 20620, (Sheet 1 of 1), Dated 07/01/10 is substituted.

Index No. 20624 (Sheet 1 of 1), “24” SQUARE PRESTRESSED CONCRETE PILE”, is deleted and Interim Index No. 20624, (Sheet 1 of 1), Dated 07/01/10 is substituted.

Index No. 20630 (Sheet 1 of 1), “30” SQUARE PRESTRESSED CONCRETE PILE”, is deleted and Interim Index No. 20630, (Sheet 1 of 1), Dated 07/01/10 is substituted.

Index No. 21100 (Sheet 2 of 3), “STRIP SEAL EXPANSION JOINT”, is deleted and Interim Index No. 21100 (Sheet 2 of 3), Dated 01/01/10 is substituted.

Index No. 21100 (Sheet 1 of 3), “STRIP SEAL EXPANSION JOINT”, is deleted and Interim Index No. 21100 (Sheet 1 of 3), Dated 07/01/10 is substituted.

Index No. 21200 (Sheets 1-2 of 2), “LIGHT POLE PILASTER”, are deleted and Interim Index No. 21200 (Sheets 1-3 of 3), Dated 01/01/10 is substituted.

Index No. 21240 (Sheet 1 of 2), “MAINTENANCE LIGHTING FOR BOX GIRDERS”, is deleted and Interim Index No. 21240, (Sheet 1 of 2), Dated 01/01/10 is substituted.