290 1 of 1 "GENERAL NOTES": Note 2 changed "Specification Section 926" to "Specification Section 977".

300 1 thru 2 Index was expanded due to change in font.

304 6 of 6 Added alternate location of detectable warnings on linear ramps. Added note "On curb ramps, sidewalks, and side transitions perpendicular to the curb the Rows of domes shall be aligned with the centerline of the ramp. (See Picture A)" at top of sheet. Added Road/Loop Crossing Plan view.

305 1 & 4 Deleted bar spacing notes and revised notes (Sheet 1); Changed width of outside lanes (Sheet 4).

307 2 of 3 "UTILITY CONFLICT DIPES THRU STORM SEWER STRUCTURES": changed to "UTILITY CONFLICT PIPES THRU STORM DRAIN STRUCTURES".

310 1 of 2 "SIDEWALK WITH EDGE BEAM FOR SURFACE MOUNTED RAILINGS": "Clear Width", deleted "5 Min."

450 1 thru 26 Index expanded by one sheet due to font size change and added new index sheet 9, "APPROACH END DETAILED ARRANGEMENT INDEX".

470 2 of 6 New sheet added showing limits of pay for guardrail, details of shoulder treatment and miscellaneous asphalt for guardrail approach end treatments.

472 3 of 26 Corrected spelling of guardrail in last paragraph.

473 15 of LOCATIONS ON FRONT SLOPES": deleted the details for guardrail on slope and rubber termination and the chart for lateral placement on slopes (Sheet 256).

480 16 of Deleted "ANCHOR PLATE - GETEIN": M (See sheet 171).

482 26 of Added "GUARDRAIL ON SLOPES": details for guardrail on slope and rubber termination and the chart for lateral placement on slopes.

483 1 thru 25 Index completely revised and reorganized.

484 2 of 10 Changed tangent offsets in Diagram A to "2.49'-Design Speed 45 mph; 1.76' - Design Speed 50 mph".

485 1 of 15 Updated Specification reference Section 971 to 975: Added steel option to ALTERNATE DESIGN notes.

486 5 of 15 Added PIPE tape option to anchor bolt details.

487 4 of 10 "NOTES FOR WALL END SHIELDING": Note 1, changed the second sentence to "Except where the plans designate a particular type compressive cushion for a specific location, the contractor has the option to construct any of the reinstated compressive cushions listed on the Qualifier Product List, subject to the limits and descriptions described on their drawings."

489 1 of 3 Added the following to the NAME, DATE AND BRIDGE NUMBER notes: "The Name shall be as shown in the General Notes in the Structures Plans." Changed REFLECTIVE RAILING MARKERS note, "Reflective Railing Markers shall meet Specification Section 993. Install markers on top of the Traffic Railing along the centerline of the spacing shown in the table above. Reflect color (white or yellow) shall match the color of the near edgeline. The cost of the reflective markers shall be included in the Contract Unit Price for the Traffic Railing."

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### Revisions Design Standards 2010

**Index Number** | **Number** | **Description** | **Index Number** | **Number** | **Description**
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479 | 2 of 4 | "SECTION A-A" and "SECTION B-B", changed "Resilient Pad" to "Neoprene Pad". | 600 | 3 of 13 | LANE WIDTHS, in the second sentence, change the word "expected" to "excepted".
476 | 2 of 4 | "SECTION A-A" and "SECTION B-B", changed "Resilient Pad" to "Neoprene Pad". | 5 of 13 | Changed note under "SIGN COVERING AND INTERMITTENT WORK STOPPAGE SIGNING", added information for the use of the new "PROJECT INFORMATION SIGN".
480 | 1 of 2 | TRAFFIC RAILING-VERTICAL FACE RETROFIT GENERAL NOTES & DETAILS", added 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 60 on the inside face (traffic side) of the railing (15" min. embrittlement)." Added NEOPRENE PADS note. | 6 of 13 | GENERAL NOTES, deleted note 1, substituted the following: 1. All signs shall be post mounted when work operations exceed one day except for: a) Flood 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 the QPL.
2 of 2 | CONVENTIONAL REINFORCING STEEL BENDING DIAGRAM, added Bars 5E, 5F and 4G for Index No. 484.
494 | 1-10 of 10 | New Index added TRAFFIC RAILING-VERTICAL FACE RETROFIT SPREADING FOOTAGE APPROACH | 6 of 13 | "2. POST SIGN SUPPORT MOUNTING DETAILS", updated text to include a tolerance between sign supports. Insert "1/16" 2" while "insert "1/8" 2".
500 | 2 of 2 | "HALF SECTION" detail, deleted "Storm Sewer Manhole" replaced with "Storm Drain Truck Lines". | 8 of 13 | "TEMPORARY ROAD CLOSURE- 5 MINUTES OR LESS".
501 | 1-9 of 9 | Changed the REQUIRED TEST METHOD for Burst Strength, Soil-Geosynthetic Friction, Creep Reduction Factor & Joint Overlap to ASTM D 7886. | 5 of 11 | "GENERAL NOTES", deleted the text of "Note 8" and substituted the following: The two channeling elements directly in front and directly to the left of the work area may be limited provided vehicles in the work area have high intensity rotating, flashing, oscillating or strobe lights operating.
5 of 9 | Changed Joint Strength Overlap value to 1.2 for all Marafi products. | 6 of 13 | Added new heading "DURATION NOTE" and placed the following note under this heading: 1. ROAD WORK AHEAD sign may be omitted if all of the following conditions are met: a) Work operations are 60 minutes or less. b) Speed is 45 mph or less. c) No sight obstructions to vehicles approaching the work area for a distance of 600 feet. d) Vehicles in the work area have high-intensity, rotating, flashing, oscillating, or strobe lights operating. e) Volume and complexity of the roadway has been considered.
505 | 1-4 of 4 | Sheet 3 is new. Renumbered other sheets. | 6 of 13 | Added new Index showing Project Information Sign and renumbered index.
515 | 5 of 7 | In second symbolized note changed "Section 102-6" to "Section 102-B". | 2 of 5 | New Index added "TRAFFIC PACING-LIMITED ACCESS".
6 of 7 | "PAVEMENT STRUCTURE FOR TURNOUTS AND AUXILIARY LANE TABLE 515-1", "NOTES", Note 5, Deleted "Class I concrete" and substituted "Class NS concrete".
518 | 3 of 3 | Revised width of rigid pavement outside travel lane and changed location of rumble strip. | 8 of 13 | Added new Index added TRAFFIC RAILING (VERTICAL FACE RETROFIT) SPREAD FOOTING APPROACH.
520 | 1 of 2 | "GENERAL NOTES", added the following: 1. "Structure demolition.
546 | 1 of 6 | Added "PLAN", "PICTORIAL" and ** note. Index sheets reordered. | 6 of 13 | New Index added "TRAFFIC RAILING-(VERTICAL FACE RETROFIT) GENERAL NOTES & DETAILS", added the following:
5 of 12 | Sheet 3 is new. Renumbered other sheets.
9 of 9 | Updated values for TENAX MS 220 & TENAX MS 330, Added Combirail 30/30, Securap 20/20 & 30/30 extruded geogrids. | 1.5-3 of 3 | New Index added "TRAFFIC PACING-LIMITED ACCESS".
550 | 1-4 of 4 | Sheet 3 is new. Renumbered other sheets. | 667 | 1-8 of 6 | New Index added "7/1 ANCHORS".
510 | 5 of 7 | In second symbolized note changed "Section 102-6" to "Section 102-B". | 801 | 1-3 of 3 | "GENERAL NOTES", Note 15 and 21, deleted "Class I" and substituted "Class NS".
515 | 7 of 9 | Added Fornir 20 | 802 | 1-3 of 3 | Added tolerance to ground clearance revised Notes 7a and 7b arranged sheets.
518 | 3 of 3 | Revised width of rigid pavement outside travel lane and changed location of rumble strip. | 803 | 1-3 of 3 | "GENERAL NOTES", Note 4, deleted both occurrences of "Class I" and substituted "Class NS".
520 | 1 of 2 | "GENERAL NOTES", added the following: 1. "Structure demolition.
546 | 1 of 6 | Added "PLAN", "PICTORIAL" and ** note. Index sheets reordered. | 810 | 2 of 4 | Deleted "Section 971" and substituted "Section 975" in ANCHOR RDDS, NUTS AND WASHERS note.
5 of 6 | Under "NOTES FOR 4-LANE DIVIDED ROADWAY", Note 1, changed reference from "Sheet 6" to "Sheet 21".
600 | 2 of 13 | OVERHEAD WORK, deleted "OPTION 4 - OVERHEAD WORK" and substituted the following: OPTION 4 (OVERHEAD WORK MAINTAINING TRAFFIC WITH NO ENFORCEMENT REQUIREMENT): For the OVERHEAD WORK AREA: Traffic shall be deflected, shifted, diverted or passed on to the nearest section of the area directly below the overhead work operations in accordance with the appropriate standard index drawings 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) Rebar construction located at edge of deck. e) Structure demolition.
515 | 7 of 9 | Added Fornir 20 | 811 | 3 of 3 | Deleted "Section 971" and substituted "Section 975" in ANCHOR RDDS, NUTS AND WASHERS note.
520 | 1 of 2 | "GENERAL NOTES", added the following: 1. "Structure demolition.
546 | 1 of 6 | Added "PLAN", "PICTORIAL" and ** note. Index sheets reordered. | 812 | 2 of 4 | Deleted "Section 971" and substituted "Section 975" in ANCHOR RDDS, NUTS AND WASHERS note.
5 of 6 | Under "NOTES FOR 4-LANE DIVIDED ROADWAY", Note 1, changed reference from "Sheet 6" to "Sheet 21".
600 | 2 of 13 | OVERHEAD WORK, deleted "OPTION 4 - OVERHEAD WORK" and substituted the following: OPTION 4 (OVERHEAD WORK MAINTAINING TRAFFIC WITH NO ENFORCEMENT REQUIREMENT): For the OVERHEAD WORK AREA: Traffic shall be deflected, shifted, diverted or passed on to the nearest section of the area directly below the overhead work operations in accordance with the appropriate standard index drawings 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) Rebar construction located at edge of deck. e) Structure demolition.
515 | 7 of 9 | Added Fornir 20 | 810 | 2 of 4 | Deleted "Section 971" and substituted "Section 975" in ANCHOR RDDS, NUTS AND WASHERS note.
520 | 1 of 2 | "GENERAL NOTES", added the following: 1. "Structure demolition.
546 | 1 of 6 | Added "PLAN", "PICTORIAL" and ** note. Index sheets reordered. | 811 | 3 of 3 | Deleted "Section 971" and substituted "Section 975" in ANCHOR RDDS, NUTS AND WASHERS note.
5 of 6 | Under "NOTES FOR 4-LANE DIVIDED ROADWAY", Note 1, changed reference from "Sheet 6" to "Sheet 21".
600 | 2 of 13 | OVERHEAD WORK, deleted "OPTION 4 - OVERHEAD WORK" and substituted the following: OPTION 4 (OVERHEAD WORK MAINTAINING TRAFFIC WITH NO ENFORCEMENT REQUIREMENT): For the OVERHEAD WORK AREA: Traffic shall be deflected, shifted, diverted or passed on to the nearest section of the area directly below the overhead work operations in accordance with the appropriate standard index drawings 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) Rebar construction located at edge of deck. e) Structure demolition.
515 | 7 of 9 | Added Fornir 20 | 810 | 2 of 4 | Deleted "Section 971" and substituted "Section 975" in ANCHOR RDDS, NUTS AND WASHERS note.
520 | 1 of 2 | "GENERAL NOTES", added the following: 1. "Structure demolition.
546 | 1 of 6 | Added "PLAN", "PICTORIAL" and ** note. Index sheets reordered. | 811 | 3 of 3 | Deleted "Section 971" and substituted "Section 975" in ANCHOR RDDS, NUTS AND WASHERS note.
5 of 6 | Under "NOTES FOR 4-LANE DIVIDED ROADWAY", Note 1, changed reference from "Sheet 6" to "Sheet 21".
Added requirement for set screw to be set flush against outside face of rail and 18-8 Alloy option.

Added requirement for set screw to be set flush against outside face of rail and 18-8 Alloy option in DETAILS "D" & "E" option to notch past in SECTION D-1-1/4" joint tolerance in DETAIL "D". Deleted Intermediate Rails from DETAILS "18" & "C".

Added requirement for set screw to be set flush against outside face of rail and 18-8 Alloy option in DETAILS "D" & "E" and 1/4" joint tolerance in DETAIL "D". Deleted Intermediate Rails from DETAILS "18" & "C".

Added requirement for set screw to be set flush against outside face of rail and 18-8 Alloy option in DETAILS "D" & "E" and 1/4" joint tolerance in DETAIL "D". Deleted Intermediate Rails from DETAILS "18" & "C".

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4 of 1 2 of 2

11200

1 of 2

Revised and rearranged notes, sheet renumbered to 1 of 2.

2 of 17

Renumbered sheet 3 of 3 to sheet 2 of 2 revised and rearranged notes. Deleted "Class 1 (Special) Concrete" and added "Concrete Classification".

11300

1 of 1

Hanger table values revised connection bolt size revised sign depth for horizontal/splice changed to 10" U-Holt material/spec (A325) added to Typical Detail for Sign & Frame Connection.

11310

1 of 10

Deleted A507 bolts and Pahlu (Note A1). Changed foundation concrete (Note 7). Changed to 1/2" mean (Note 9). Deleted grout pad and notes (former Notes 7c & 9). Added CSL tube note (Note 14). Added CSL tube details.

5 of 1

Changed foundation standoff distance and changed drilled shaft detail. Deleted grout pad and added wire screen. Added CSL tubes. Changed FC & FL reinforcing.

5 of 1

Changed bolt spacing connection details.

5 of 1

Changed bolt spacing connection details.

5 of 1

Changed drilled shaft detail. Added CSL tubes.

5 of 1

Modified "DRIVEN POST DETAIL IN CONCRETE".

5 of 8

Modified "DRIVEN POST DETAIL IN CONCRETE".

5 of 8

Modified "DRIVEN POST DETAIL IN CONCRETE".

5 of 8

Modified "DRIVEN POST DETAIL IN CONCRETE".

5 of 8

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5 of 8

Modified "DRIVEN POST DETAIL IN CONCRETE".

5 of 8

Modified "DRIVEN POST DETAIL IN CONCRETE".

5 of 8

Modified "DRIVEN POST DETAIL IN CONCRETE".
SCHOOL SIGNS AND MARKINGS, on each sheet, in the Distance table at the bottom of the sheet, deleted the "A" column. Also deleted the "A" dimension from the detail drawings.

NORMAL TAPERED ENTRANCE WITH ADDED LANE, note in lower left corner, arrow now points to the reflective markers on the LEFT side of the ramp.

Deleted note 2.

Completely revised and renumbered.

Revised sign FTP-9A-06 & FTP-9B-06 and notes.

For designs with 1'-0000 phone number, deleted "1'-0050-999-7000" and substituted "1'-00XX-XXXX-XXXX" and below each sign added note "Design Project Manager or Transit Administrator will supply correct 1'-0XX number".

Revised sign FTP-7F-06, bolt holes located outside of sign message, revised. Sign FTP-6C-06 and FTP-6B-06 message and spacing revised.

Revised sign FTP-8C-06, arrow changed. Added Sign FTP-8E-01.

Removed signalheader from detail. Single point attachment details deleted from Index (Deleted sheet 1.)

Changed delimiters to object markers; revised reference notes; sign W301 made optional.

RURAL NARROW BRIDGE TREATMENT, changed the OM3, on the right side of the roadways to an OM3R.

Deleted concrete pole detail, added METAL POLE DETAIL AND WIRING DIAGRAM.

Note 7, deleted "class I Concrete (Miscellaneous)" replaced with "Concrete and reinforcing for slabs around poles and pulleys shall be included in the price for pulley or pole."

Note 3, deleted "class I Concrete (Miscellaneous)" replaced with "Concrete and reinforcing for slabs around poles and pulleys shall be included in the price for pulley or pole."

Note 1, revised note 28.

Note 7, deleted "class I Concrete (Miscellaneous)" replaced with "Concrete and reinforcing for slabs around poles and pulleys shall be included in the price for pulley or pole."

Note 7, deleted "class I Concrete (Miscellaneous)" replaced with "Concrete and reinforcing for slabs around poles and pulleys shall be included in the price for pulley or pole."

Deleted note 2.

Note 7, deleted "class I Concrete (Miscellaneous)" replaced with "Concrete and reinforcing for slabs around poles and pulleys shall be included in the price for pulley or pole."

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Note 7, deleted "class I Concrete (Miscellaneous)" replaced with "Concrete and reinforcing for slabs around poles and pulleys shall be included in the price for pulley or pole."

Note 3, changed "Concrete class I to "Concrete NS."

Index deleted.

Dimensions 5'-6" added for height of meter base. Pole type changed from type "N" to type "P-III".

Mercury Vapor Luminaires changed to Induction Luminaires. Luminaire chart deleted, dimensions revised on spacing detail/diagram and added to structure detail.

Added median barrier mounted light poles. Moved notes to sheet 2.


Sheet renumbered from 2 to 3. Added double arm configuration to ARM ELEVATION.


New Sheets for median barrier mounted light.pain.

New Sheets for median barrier mounted light.pain.

NEW GENERAL NOTES, note 2, changed "Class II Concrete" to "Class I Concrete"; changed note 4.

Changed Note 5, 6, and 7. Added Note 8. Deleted ground pad and notes (former Notes 4 & 9). Added CSL tube note (Note III).

Deleted ID plates and changed base plate thickness. Deleted grout pad. Changed drilled shaft reinforcing.

Changed Weld symbol in SECTION A-A. Added padlock tab to HANDHOLE RING. Added Section E-E detail and foundation baseplate washer to SECTION C-G. Deleted padlock and added wire screen. Added CSL tubes.

Grout notes and details removed, new wire screen.

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