

**2015 REVISIONS**

INDEX No	SHEET No	DESCRIPTION
<b>ABBREVIATIONS AND SYMBOLS</b>		
1	3 of 4	Added NRTL Nationally Recognized Testing Laboratory; Deleted QPL Qualified Products List.
<b>STANDARD SYMBOLS</b>		
2	3 of 4	Deleted all lines that indicate quality level A.
<b>DRAINAGE</b>		
199	All	Deleted Index.
200	1 of 5	Clarify length/extension of #4 bars above pipe blockout as 6" beyond vertical bars.
201	3 of 5	Changed Notes #6 and #7.
216	1 of 3	Changed General Note #3 from 1 1/4" to 2" of cover; Changed drawings to show 2" of cover over steel; Added dimensions for cover.
	2 of 3	Added 3'-0" (Min) to Section BB for Clarification.
	3 of 3	Changed Drawings to show 2" of cover over steel; Added dimensions to INTER-WALL REINFORCING detail.
219	2 of 3	Corrected the Drainage Slot to show correct dimensions and change slot General Note to #5.
253	2 of 2	Correct missing reinforcing between pipe openings (see Index 251/252).
264	All	Clarification of dimensions f, k and n.
268	1 of 1	Changed Plastic Filter Fabric Type D-4 to see "Specifications Section 985".
273	7 of 7	Deleted Note #7 from the General Notes.
280	1 of 3	Changed Dissimilar Types detail callouts for "Bituminous coating required for All Metal Pipes" and Removed note for Flexible Pipe; Changed the Filter Fabric Jacket (Elliptical and Round Pipe) callouts (See Specifications Section 985)
281	1 of 2	Changed Note #7 to "See Specifications Section 985".
286	1 of 2	Changed Note #5 to "See Specifications Section 985".
287	2, 3 and 4 of 4	Changed Filter Fabric Type D-3 call out - "See Specifications Section 985"
289	8 of 8	Changed Asphaltic Concrete Base Note "See Specifications Section 985".
<b>CURBS, CONCRETE PAVEMENT AND SIDEWALKS</b>		
302	1 of 4	Changed Flexible Pavement to Asphalt Pavement; Labeled and Hatched the Base for clarification.
308	1 of 2	Added Figure 10.6 - MULTIPLE SLAB FULL DEPTH REPLACEMENT.
<b>TRAFFIC RAILINGS</b>		
400	8-14, 16-26 of 26	Changed Height of W-beam Guardrail.
	1 of 26	Changed Note #17: Holes are to be Punched, Burning is not permitted.
	2 of 26	Changed Panel Splice Location. Modified General Note
	8 of 26	Changed QPL to APL.
	10 of 26	Changed QPL to APL.
402	8-11, 16-24 of 24	Changed Height of W-beam Guardrail.

INDEX No	SHEET No	DESCRIPTION
403	1 of 3	Changed Height of W-beam Guardrail.
404	6 of 8	Guardrail Transitions-Existing Post & Beam Bridge Railings (Narrow & recessed Curbs).
	6 and 7 of 8	Changed Height of W-beam Guardrail.
410	All	Changed Height of W-beam Guardrail.
	14 of 25	Revised top width and back side shape of the F Shape Concrete Barrier wall to match the transition and direction of the Bridge Traffic Railings in Indexes 420 and 425.
412	1 of 5	Changed Note #1, 2 and 6.
414	1 of 15	Changed Qualified Products List (QPL) to Approved Products List (APL); Added General Notes #11 and #12.
	3 of 15	Changed the Drain Bar and Notes in Configuration One and Two for the Alternate Reinforcing Steel Detail Welded Wire Reinforcement.
	4 of 15	Note #7-Deleted Type C Steady Burn Lights and replaced with Barrier Delineators and deleted reference to Index 600; Note #13-Deleted Type C Steady Burn Lights payment information; Changed QPL to APL.
	5 of 15	Changed Type I or Q epoxy to Type F; Changed Anchor Bolts note, Removed the "Optional" in the PTFE Taping Details and updated tape note; Changed QPL to APL.
415	6 of 15	Changed Type I or Q epoxy to Type F; Changed Removal of Keeper Pins note; Changed QPL to APL.
	7 of 15	Changed Type I or Q epoxy to Type F; Changed Removal of Keeper Pins note; Changed QPL to APL; Changed the Geotextile Fabric Note; Changed Geotextile Fabric Notes to (with Specificatio Section 985).
420	1 of 7	Note #8-Deleted Type C Steady Burn Lights and replaced with Barrier Delineators; Note #9-Deleted Type C Steady Burn Lights payment information; Added Note #11; Added note 12.
	7 of 7	Added Notes 3, 4, 5 6, and 9 from Index 430; Changed QPL to APL.
421	1 of 4	Changed height of W-Beam Railings.
	2 of 4	Changed location of W-Beam & Thrie-Beam Guardrail bolts in VIEW B-B; Clarified Guardrail Bolt callouts.
422	1 of 3	Revised height of W-Beam Railings.
	2 of 3	Changed location of W-Beam & Thrie-Beam Guardrail bolts in VIEW B-B; Clarified Guardrail Bolt callouts.
423	1 of 3	Changed height of W-Beam Railings; Clarified naming of rail splice/expansion assemblies.
	2 of 3	Changed location of W-Beam & Thrie-Beam Guardrail bolts in VIEW B-B; Clarified Guardrail Bolt callouts.
425	1 of 3	Changed height of W-Beam Railings.
	2 of 3	Clarified Guardrail Bolt callout.
430	All	Changed Height of W-beam Guardrail; Changed Qualified Products List (QPL) to Approved Products List (APL).

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477	1 of 4	Changed "Reflective Railing Markers" to "Barrier Delineators".
	2 of 4	Changed height of W-Beam Railing and Thrie-Beam transition.
480	1 of 2	Corrected Payment Note.
	2 of 2	Corrected skew angles in Partial Plan Views.
<b>GENERAL</b>		
501	3 thru 11 of 11	Deleted Sheets 3 through 11.
505	3 of 4	Corrected inside shoulder cross slope to 0.05.
510	1 of 2	Changed SHOULDER ON HIGH SIDE note and added S/4 and S/2 on the Shoulder Construction With Superelevation detail.
	2 of 2	Added SPECIAL SHOULDER BREAK OVER DETAILS.
517	1 of 1	New Index. Sheet 1 from Index 518.
518	1 of 3	Deleted Sheet. Sheet 1 moved to Index 517.
546	2-6 of 6	Changed the table data.
<b>TRAFFIC CONTROL THROUGH WORK ZONES</b>		
600	1 of 13	Added Note "Except for emergencies" to the Preface Notes.
	2 of 13	Changed Qualified Products List (QPL) to Approved Products List (APL).
	4 of 13	Changed note #1; Deleted 40 or Less and 45 Speeds (mph) from Distance Between Signs Table.
	6 of 13	Clarified Note #1; Deleted Note #2 from Design Notes; Added 48"x24" Sign Size and Number of Posts to the Post and Foundation Table; Changed Qualified Products List (QPL) to Approved Products List (APL).
	9 of 13	Deleted Concrete Barrier Wall for the Steady-Burn note under Warning Lights.
	10 of 13	Changed Notes & Table 1 for clarification; Changed QPL to APL.
	11 of 13	Changed Table numbering from Table 2 to Table 3.
	12 of 13	Changed QPL to APL.
	13 of 13	Deleted Class D and E from the Use Of RPMS To Supplement Paint Or Removable Tape In Work Zones.
	603	1 of 2
604	1 of 1	Changed Note #7.
605	1 of 1	Changed Note #7.
606	1 of 4	Changed Note #8.
670	1 of 1	Changed Tables 1 & 2 to show posted speeds of 55 mph or higher and updated General Note #1.
<b>ROADSIDE SAFETY</b>		
700	2 of 2	Deleted nonfrangible from item #16 in Table C.
<b>FENCING AND PEDESTRIAN RAILINGS</b>		
820	1 of 1	Clarified that expansion joints are "Assemblies".
821	1 of 1	Added offset dimension to Splice Assembly; Clarified that Splice and Expansion Joints are "Assemblies".
822	2 of 3	Clarified difference between expansion and splice joint assemblies.
	3 of 3	Clarified naming of Rail Splice/Expansion Assemblies and RAIL INSTALLATION Note.

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852	1 of 8	Changed GENERAL, COATINGS and ANCHOR BOLTS notes to clarify grinding, and JOINTS note to clarify bolt thread distortion and joint options for intermediate and bottom horizontal rails.
	2 of 8	Clarify that sawcut joints in sidewalks do not require 6" offset to anchor bolts.
	3 of 8	Added "(Intermediate Rail Similar)" to Rail Termination Details and changed weld type in Detail K.
	4 of 8	Clarified set screw note at expansion joint, Added locations for venting holes, and changed weld symbol in Detail A.
	5 of 8	Corrected dimension for SHBR Type 1.
	8 of 8	Added Handrail dimension to Case 1 with Note.
862	1 of 8	Changed JOINTS and PAYMENT Notes; Clarified COATINGS Note.
	2 of 8	Clarify that sawcut joints in sidewalks do not require 6" offset to anchor bolts.
	3 of 8	Added "(Intermediate Rail Similar)" to RAIL TERMINATION DETAILS; Changed weld symbol in Detail "K".
	4 of 8	Clarified Set Screw Note at expansion joint and changed weld symbol in Detail "A".
	5 of 8	Corrected dimension for SHBR -Type 1 drawing and picket designation in PICKET NOTES.
870	2 of 5	Changed the Structures Expansion Joints Note to reference Index 6011.
880	1 of 5	Changed Notes (Shim Plates, Anchor Bolts and Joints).
	2 of 5	Changed the Structures Expansion Joints Note to reference Index 6011.
	4 of 5	Added venting holes to Detail C.
<b>NOISE AND PERIMETER WALL SYSTEMS</b>		
5200	1 of 16	Changed Notes--all updated.
	3 of 16	Corrected minimum top panel height.
	4 of 16	Added note and dimension for Wall Embedment Depth; Changed Nominal embedment for Flush Type panel.
	5 of 16	Corrected Area of Steel in * note.
	7 of 16	Deleted fire access holes; Clarified Note 3.
	8, 10 & 11 of 16	Changed Notes.
	14 of 16	Changed mortar bed under caps from Type N to Type S in CAP PLACEMENT DETAIL, and Cap Dimensions.
	15 of 16	Changed Tables and BAR BENDING DETAILS.
	16 of 16	Changed Tables.
	5210	1 of 5
2 of 5		Changed REINFORCING STEEL NOTES; Deleted Fire Hose Access Details.
5211	1 of 3	Corrected note reference in Elevation drawing; Deleted Fire Access Hole.
	3 of 3	Deleted Fire Hose Access Details and Note 3.

INDEX No	SHEET No	DESCRIPTION
5212	1 of 2	Changed Note 1; Clarified Notes 3, 4 and 12.
	2 of 2	Added Note 6; Corrected Type 2 dimension in Section B-B; Changed minimum thickness of asphalt overlay and Note 2.
5215	1 of 1	Changed notations from SW to NW and Bars SU1 to 5A; Changed number of Dowel Load Transfer Devices.
5250	All	New Index.
<b>WALL SYSTEMS</b>		
6010	1 of 2	Removed Payment Note.
	2 of 2	Changed the Typical Backfill Detail and Section A-A Expansion Joint Detail callouts to Type D-5 "See Specifications Section 985".
6011	1 of 1	Added note on the assumed coping thickness for Scheme 3 quantities; Add description to Typical Section Title; Added Toe Slope dimensions; Changed Note 1; Clarified Notes 2 and 6 (reference to Index 199 changed to Specification Section 985); Deleted "C-I-P" from the Index title.
6020	1 of 1	Changed CONSTRUCTION Notes 3 and 13; Changed dimension at toe in TYPICAL MSE RETAINING WALL SECTION; Deleted Specifications Notes, DESIGN CRITERIA Notes 2, 3 and 4, MATERIALS Notes 1 and 3.
6040	1 of 4	Changed PLASTIC FILTER FABRIC note.
6100	1 of 2	Corrected dimension in Note 2; Corrected dimensions in SECTION B-B; Corrected dimension and note reference in PRECAST COPING-PARTIAL ELEVATION VIEW.
6110	1 of 6	Changed Notes 2 and 10; Changed dimensions and Corrected note reference in PARTIAL ELEVATION VIEW.
	2 of 6	Changed minimum thickness of asphalt overlay and note 2.
	3 of 6	Added Note 9; Corrected coping dimension in Typical Section and Buildup drawings; Changed minimum thickness of asphalt overlay and note 2.
	6 of 6	Changed C.I.P. to C-I-P
6120	1 of 3	Changed Notes 2 and 9; Changed buildup dimension in PARTIAL ELEVATION VIEW.
	2 of 3	Added "Level" callout and coping dimension to TYPICAL SECTION.
	3 of 3	Added note 3; Added "Level" callout to TYPICAL SECTION; Added Coping dimensions.
6130	1 of 2	Clarified Note 4
	2 of 2	Added Note 6, Corrected Buildup Concrete Depth dimension in TYPICAL SECTION THRU PRECAST; Added cover dimension in TYPICAL SECTION THRU C-I-P COPING.
6200	1 and 2 of 3	Added references to Index 5212 and to allow Precast option for Pedestal.
	3 of 3	Deleted various C-I-P callouts. Changed ESTIMATED QUANTITIES note.

INDEX No	SHEET No	DESCRIPTION
<b>SIGNING AND MARKINGS</b>		
11200	1 of 3	Deleted the Foundation note from the General Notes; Deleted minimum panel section width for the TYPICAL ELEVATION Notes.
11300	1 of 1	Deleted minimum panel section width for the TYPICAL ELEVATION Notes.
11310	1 and 2 of 5	Changed Wire Screen to Grout Pad; Changed Spec. 649-6 to 649-7.
	3 of 5	Changed Splice Connection Detail option.
	5 of 5	Changed 'GA' PL on Detail O.
11320	2 of 5	Clarified anchor bolt embedment depth from DE/FE to DF/FF in Section A-A.
11860	2 of 8	Added "*" and note to the 1" Typ. Gap on the SIGN Cluster Detail.
	4 of 8	Added Note #4 in the BRACKET DETAIL and Rearranged page for clarification.
	5 of 8	Changed the Slip Base and Footing Detail to show similar Base Connection details from Index 11200 Sheet 2 of 3. Changed Note #5.
11861	All	New Index.
11862	All	New Index.
11870	1 of 2	Update Material notes to correct galvanizing of u-bolts and clarify galvanizing/point on weldament and/or post; Changed Geometry Note.
11871	1 of 2	Changed Max Sign Area for Temporary Signs in Table 1 from <20sf to ≤ 24sf.
13417	1 of 1	Deleted the DESIGN SPECIFICATION Note from the General Notes.
17344	5 of 6	Changed the outer dimension of the Rear View from 1'-9" to 1'-6".
17345	1 of 4	Deleted Note; Added leader from the text to 12" White pavement marker.
	2 of 4	Added leader from the text to 12" White pavement marker.
	3 of 4	Clarified end shoulder line, tapered the end and adjusted edge of pavement.
17346	1 of 14	Changed Types of Pavement Markings Lines and Contrast Markings for Clarification.
	4 of 14	Changed the Detail Note for the Typical Intersection 2 Thru Lanes Plus Left Turn Lane, With Crosswalk, To see Sheet 11.
	9 of 14	Additional Text to General Note 6. "Longitudinal lines in Special Emphasis Crosswalk shall be preformed Thermoplastic."
	10 of 14	Changed Note #4. "Crosswalk marking shall be preformed marking materials."
	All	Reorganized sheets for clarification.
17355	4 of 11	Deleted Sign - Move Accident Vehicles From Travel lane 4'-0" x 2'-6" and 8'-6" x 4'-6". Added Signs G20-1 and G20-2. Deleted Sheet 12.
	7 of 11	Deleted Call Box sign from the Sheet.
	11 of 11	Added signs G20-1 and G20-2.
	11 of 12	Deleted Sheet 12.

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INDEX No	SHEET No	DESCRIPTION
<b>ROADWAY LIGHTING</b>		
17500	1 of 3	Changed pole ground connector to Pull Box.
	3 of 3	Changed QPL to APL.
17501	1 of 1	Changed Breakaway Feature notes.
17502	2 of 6	Changed the Pole Design Table.
	6 of 6	Changed QPL to APL.
17504	1 of 2	Changed Service Main to Service Disconnect.
	2 of 2	Corrected the Photo Cell location; Changed Key Note #11; Added Neutral Bar in Electrical Panel.
17515	1 of 8	Added Standard Roadway Aluminum Light Pole With Top Mount.
	2 of 8	Changed Note #9.
	4 of 8	Added Top Mount Tenon Detail; Added Pole Table and Foundation Table W/Top Mount.
<b>TRAFFIC SIGNAL AND EQUIPMENT</b>		
17721	2 of 2	Clarified the index to show 3" warning tape to be consistent with the Specifications.
17725	1 of 8	Changed ASTM for Spiral Reinforcing.
	4-8 of 8	Changed the I-Bolt hole from 3/4" to 7/8".
17727	1 of 2	Renumbered Note #4 to #5; Added a new Note #4.
	2 of 2	Changed Qualified Products List (QPL) to Approved Products List (APL).
17736	1 of 1	Changed Main Disconnect to Service Disconnect.
17743	1 of 2	Deleted the last two columns in the ARM CONNECTION & WELDS; Changed column "UC" in the Pole, Connection and Shaft Design Table.
	2 of 2	Changed Column "FJ/SJ" in the Arm Design Table; Changed column "UC" and "FJ/SJ" in the Pole, Connection and Shaft Design Table.
17745	1 of 5	Changed Wire Screen to Grout Pad; Changed to show 3'-0" (Min) between the center of the Mast Arm Extension and the Pole Cap.
	2 and 5 of 5	Changed Wire Screen to Grout Pad; Changed Spec. 649-6 to 649-7.
17748	1 of 1	Changed Notes; Added a 10' Max. between the Mast Arm Pole and the Sign; Added Option for Cantilever on Mast Arm Pole.
17764	1 of 1	Changed Pedestal Concrete Bases and Concrete Pedestal.
17784	1 of 2	Changed Pedestal Concrete Bases and Concrete Pedestal.
17882	2 of 4	Corrected minimum vertical clearance to 17'-6".
17890	3 of 3	Changed Note #2.
<b>INTELLIGENT TRANSPORTATION SYSTEMS (ITS)</b>		
18102	1 and 2 of 4	Added Pull Box, changed Min. Depth of Ground Rods B-D. Moved Inset "A" to Sheet 4. Moved Ground Rod Placement Detail to Sheet 3. Removed General Notes.
	3 and 4 of 4	New Sheets.
18113	1 of 4	Updated Note 1 ASTM for Spiral Reinforcing. Revise Note 3, and Note 6 - Revised Pole Notes 1d, 3 and 6.
18300	All	Redevelopment of Index.

INDEX No	SHEET No	DESCRIPTION
<b>PRESTRESSED CONCRETE BEAMS</b>		
20010	1 of 2	Changed Note 7; Changed Chamfer dimensions CASE 2 & 3, and top flange clip CASE 1; Clarified Note 4.
	2 of 2	Changed Chamfer; Clarified Strand Detail.
20120	1 of 4	Changed Note 7; Corrected Note 4 sheet reference; Deleted top flange clip from Case 1.
	2 of 4	Clarified Strand Detail.
<b>BRIDGE BEARINGS</b>		
20510	1 of 1	Changed AASHTO Type II Bearing Pad sizes, renamed as AA & AB. Added dimensions from bearing pad to edge of Type II in PARTIAL PLAN Views.
20511	All	Remove exception for Type A & C Bearing Pads.
	1 of 2	Added Type K Beveled Bearing Plate Detail and CROSS REFERENCE; Clarified Note 8; Corrected dimension in PLAN for AASHTO Type II to screw holes, Changed Corner clip for FIB's; Deleted Detail "A".
	2 of 2	Added Detail "A"; Corrected Dimensioning for J & H; Deleted LEGEND.
20512	1 of 2	Added CROSS REFERENCE note; Corrected dimension to holes and studs for AASHTO Type II in PLAN, Deleted exception for Type A & C bearing pads and Detail "A".
	2 of 2	Added CROSS REFERENCE note and DETAIL "A", Corrected Bearing Plate A Dimension, Deleted AASHTO dimensions in END ELEVATION.
<b>SQUARE AND ROUND CONCRETE PILES</b>		
20600	1 of 1	Changed Qualified Products List (QPL) to Approved Products List (APL); Changed Notes REINFORCING STEEL and CORROSION PROTECTION OF EXPOSED STRANDS.
20601	1 of 1	Note 3: Changed Qualified Products List (QPL) to Approved Products List (APL).
20602	1 of 1	Changed dimension "2D" at tip of pile to 3'-0".
20654	1 of 2	Changed Qualified Products List (QPL) to Approved Products List (APL); Changed REINFORCING STEEL Note.
20660	1 of 2	Changed Qualified Products List (QPL) to Approved Products List (APL); Changed REINFORCING STEEL Note.
<b>APPROACH SLABS</b>		
20900	1 of 2	Clarified Notes 2 and 8, Changed Notes 6 and 7.
	2 of 2	Changed Optional Base.
20910	1 of 2	Added note 9; Changed Notes 2, 6, and 8; Changed Optional Base.
	2 of 2	Changed Optional Base.
<b>BRIDGE EXPANSION JOINTS</b>		
21100	2 of 3	Changed cross slope threshold to 1% for Uprturned Joint in PARTIAL SECTIONS.
21110	1 of 2	Delete Notes 2 and 3; Clarified Note 1 to specify Type D silicone is to be used; Clarified "Typical Section Thru Joint" detail to show 1/2" recess and silicone thickness. Changed cross slope threshold to 1% for Uprturned Joint in PARTIAL SECTIONS.

INDEX No	SHEET No	DESCRIPTION
<b>STRUCTURES ACCESS AND LIGHTING</b>		
21210	1 of 4	Changed Note 2; Clarified Note 8.
21240	1 of 2	Delete Notes 16 and 18 and relocated notes to proper publications.
21250	1 of 1	Change Access Door locking mechanism to enable unlocking from inside of box girder.
21251	1 of 1	Change Access Door locking mechanism to enable unlocking from inside of box girder.
21252	1 of 1	New Index.
<b>STANDARD BAR BENDING DETAILS</b>		
21300	1 of 1	Changed ASTM callout for Cold Drawn steel wire.
<b>STANDARD BAR BENDING DETAILS</b>		
21801	All	General drafting clean-ups and remove "Strand" from Legend.
	1 of 2	Notes 1, 2 and 6 cleanup.
<b>FENDER SYSTEM DETAILS</b>		
21900	All	Deleted Index.
21930	1 of 7	Changed CLEARANCE GAUGE AND LIGHT note for Contractor to supply Clearance Gauge sign panel; Clarified convention in PLASTIC LUMBER AND STRUCTURAL COMPOSITE LUMBER WALES note.