



Office of Roadway Engineering

**Standard Construction Drawings and Plan Insert Sheets (Traffic-Related)
Revision Log**

July 15, 2016 Revision

The following changes were made to the Traffic Standard Construction Drawings and Plan Insert Sheets:

Drawing Number	Title	Revision Type *	Revision Description
<p>*Change - adding new information or revising existing information, more than an editorial change; New - adding a new drawing; Deletion - deleting a drawing; Editorial - revising text to provide clarification, updating references, correcting a typing or drawing mistake, simple editorial changes such as rephrasing a statement or making a format change.</p>			
STANDARD CONSTRUCTION DRAWINGS			
	SCD Index	Editorial	Updated per this revision.
HL-10.11	Light Pole Styles	Change	<ul style="list-style-type: none"> Added two Notes. Added "Note 1" to the two Truss Arm schematics; revised "Upsweep 7.0" to "Upsweep 6.5" in Truss Arm High Rise schematic. Added "Note 2" to the Post Top Underpass schematic.
HL-10.13	Pole Base Details	Change	<ul style="list-style-type: none"> Added new Note 10 re. aluminum shims; removed "As Required 1" x 40" min. Anchor Bolt" on drawing (4 places); added "Note 10" labels on Aluminum Anchor Bases schematics. Deleted "Min. Bolt Circle..." labels on "On Median Barrier" schematics. In two tables, changed "48" to "49", under Anchor Bolts column. Revised "length and shape" to "dimensions" in Note 1.
HL-20.21	Light Tower Foundations	Change	<ul style="list-style-type: none"> In Nuted Anchor Bolt Option schematic, added second hex nut, above washer.
HL-30.11	Pull Box Details	Change	<ul style="list-style-type: none"> Revised Notes 11 and 12; added "(725.08)" after "Portland Cement Concrete Pull Box" title (center schematic).
HL-40.20	Power Service, Ground Mounted	Change	<ul style="list-style-type: none"> Revised from 1 sheet to 2 sheets. Now, Sheet 1 – "With Self Contained Metering"; Sheet 2 – "With CT Metering". Numerous revisions to schematics; several new Notes added.

HL-50.21	Structure Grounding	Change	<ul style="list-style-type: none"> Added 5 new Notes to sheet 1, and 1 new Note to sheets 2 and 4; added details to schematic on sheet 1 (e.g., grounding conductors); on sheet 3 added "(required)" after "Ground Plate" (5 places).
HL-60.12	Pole Wiring II	Change	<ul style="list-style-type: none"> Added new Note 1; added "(Class K)" after "...Fuses..." to label in two upper-left schematics; in lower-left schematic, removed "Ballast" before "Terminals" label (2 places).
TC-21.10	Sign Support Foundations	Change	<ul style="list-style-type: none"> In Nuted Anchor Bolt Option schematic, added second heavy hex nut, above washer.
TC-21.20	Foundations	Change	<ul style="list-style-type: none"> In Nuted Anchor Bolt Option schematic, added second heavy hex nut, above washer. Deleted Note 9. Various other revisions (e.g., rebar & tie bars) to Anchor Base schematic. In Headed Anchor Bolt Option schematic, added a second sentence to washer label. In "Vertical Rebar" schematic (lower-right corner), revised 48" diameter to 42"-48" diameter.
TC-21.50	Concrete Barrier Median Overhead Sign Support Foundations (Single Slope)	Change	<ul style="list-style-type: none"> In Nuted Anchor Bolt Option schematic added second heavy hex nut, above washer.
TC-52.20	Sign Blank Details II	Change	<ul style="list-style-type: none"> On sheet 1, added 12" x 60" size for V-REC-1-2 category. On sheet 2, added 72" x 18" size for H-REC-2-4 category.
TC-65.11	Raised Pavement Marker Spacing Details	Change	<ul style="list-style-type: none"> On sheet 2, changed 160' dimension (2 places: Note 6 and One-Lane Bridge schematic) to 150'. (150' in OMUTCD and TEM Figure 398-2); corrected reflectors in schematic.
TC-71.10	Word and Symbol Pavement Markings	Change	<ul style="list-style-type: none"> Added Lane-Reduction Arrow Marking Detail to sheet 1. Added "Lane-Reduction Arrow Markings" notes (8A) on sheet 3.
TC-72.20	Freeway and Expressway Entrance and Exit Pavement Markings	Change	<ul style="list-style-type: none"> Added a detail for the 4 schematics that more clearly differentiates the 12" channelizing lines and 6" edge lines.
TC-73.20	Enhanced Wrong Way Traffic Control for Ramps	NEW	<ul style="list-style-type: none"> New drawing.
TC-81.10	Strain Pole Details	Change	<ul style="list-style-type: none"> On sheet 2, revised second sentence in Note 2 by adding "55 or" before "...65 steel..." and adding "55,000 or" before "...65,000 PSI".
TC-81.21	Single Arm Overhead Signal Support	Change	<ul style="list-style-type: none"> On sheet 1, revised "Pole Height (*)" to "Pole Height (Note 21)" in lower-right schematic & added "with locknut, snug." to "1/2" min. Stainless or Galv..." label.

			<p>On sheet 2, added new Note 21 (previously Note C in prior drawing). In table on sheet 2, changed reference to Note 1 to Note A in second column. Deleted Anchor Bolt column (correct information is found on TC-21.20).</p>
TC-83.10	Pole Mountings for Controllers and Power Service	Change	<ul style="list-style-type: none"> Revised Notes 6 and 14. In far-left schematic, moved door up and added an external handle. In center schematic, added external handle and missing vertical line to controller cabinet; added "Standard or Decorative" to schematic title at bottom; added "Must be mounted externally for all poles..." to "Conduit, Sized as Required..." label.
TC-83.20	Cabinet Foundations and Pedestals	Change	<ul style="list-style-type: none"> Added new Note 12 re. alternate to through-bolt. In Transformer Type Pedestal Base detail, changed "6063-T6" to "6061-T6".
TC-85.10	Pole Mountings for Signal Heads	Change	<ul style="list-style-type: none"> In Steel Pole Detail schematic, labeled Pushbutton Sign; replaced Pedestrian Signal Head on right with symbol type (raised hand/pedestrian); revised pedestrian pushbutton.
TC-85.21	Signal Tether Attachment	Change	<ul style="list-style-type: none"> Revised Notes 6 and 7 by changing "3000" (lbs) to "3650".
TC-85.22	Overhead Signal Attachments, Span Wire	Change	<ul style="list-style-type: none"> Revised Center Panel label in Backplate Louver Configuration (Typ.) schematic.
TC-86.10	Railroad Preemption Interface Panel	Change	<ul style="list-style-type: none"> Revised Note 4; added "or if GDR is omitted." to end of first sentence.
MT-95.30	Closing Right or Left Lane of a Multi-Lane Divided Highway with Drums	Change	<ul style="list-style-type: none"> On sheet 1, revised "Merge Taper" dimension to "L" and added reference to new Note 2C. Revised Work Zone Dotted Line to begin at merge taper. Added a new second page to address multiple lane closures. New Notes: 2C, 13D, and 15A. In Note 14C, added "shadow" before "vehicle".
MT-95.45	Closing Shoulder of a Multi-Lane Divided Highway with Portable Barrier	NEW	<ul style="list-style-type: none"> New drawing.
MT-96.11	Signalized Closing 1 Lane of a 2-Lane Highway	Change	<ul style="list-style-type: none"> On page 1 extended "Remove Existing Markings" symbol in bottom schematic to Stop Line & moved R10-6-24 sign adjacent to Stop Line. On page 2, revised "Figure 4D-2" reference in bottom schematic to "4D-4". On page 3, modified Notes 1E & 1F, replaced Note 1H, added new Note 1I, changed previous Note 1I to 1J, and added new Notes 1K & 1L. Revised Note 2A.

MT-96.20	Details for Signalized Closing 1 Lane of a 2-Lane Highway	Change	<ul style="list-style-type: none"> On page 1, revised Note 4 and added Note 6. On page 2, revised Note 4 and modified drawing. (Deleted Minimum Clearance dimension and 2' dimension; revised "18' max. – 16' min" dimension to "17' min. to 19' max.").
MT-97.20	Temporary Portable Rumble Strips for Use with 1-Lane 2-Way Operation Using Flaggers	Change	<ul style="list-style-type: none"> In Note 3, revised "and" on line 3 to "or". Added new Note 10 to clarify use of truck mounted attenuator; labeled truck mounted attenuator in drawing.
MT-99.60	Short-Term Closure of Multi-Lane Divided Highway	NEW	<ul style="list-style-type: none"> The former PIS on this subject (209960) has been converted to an SCD. Added flags to signs; added Be Prepared to Stop sign; removed language re. LEO backing down shoulder to end of queue; added sample queue; removed numbers from patrol cars; added Queued Vehicle symbol to Legend. Removed Note 7 that was in PIS. Revised Notes 1, 3, 8 (formerly 9) and 9 (formerly 10).
MT-101.75	Impact Attenuator Placement	NEW	<ul style="list-style-type: none"> The former PIS on this subject (2010175) has been converted to an SCD. On top schematic, added a tapered end section to be consistent with Note 3a. Added a new Note 6.
ITS-60.10	Remote Traffic Microwave Sensor Details	NEW	<ul style="list-style-type: none"> New drawing.
PLAN INSERT SHEETS			
	PIS Index	Editorial	Updated per this revision.
203324	Sepac and ASC/3 Input File Information for 332 and 336 Cabinets (NEW TITLE)	Change	<ul style="list-style-type: none"> ASC/3 detector assignments are now included.
209960	Short-Duration Closure of Multi-Lane Divided Highway	Deletion	<ul style="list-style-type: none"> This PIS has been converted to an SCD (MT-99.60).
2010175	Impact Attenuator Placement	Deletion	<ul style="list-style-type: none"> This PIS has been converted to an SCD (MT-101.75).