

**Office of Roadway Engineering (ORE)**  
**ORE Traffic Standard Construction Drawings and Plan Insert Sheets**  
**Revision Log**  
**January 16, 2015 Revision**

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

Drawing Number	Title	Revision Type *	Revision Description
<p><b>*Change</b> - adding new information or revising existing information, more than an editorial change; <b>New</b> - adding a new drawing; <b>Deletion</b> - deleting a drawing; <b>Editorial</b> - 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>			
<b>Standard Construction Drawing</b>			
	SCD Index	Editorial	Updated per this revision.
TC-10.15	Extension of Median Barrier Anchor Bolts	<b>NEW</b>	<ul style="list-style-type: none"> <li>The former PIS on this subject (PIS 201015) has been deleted. Added "Median Barrier" to drawing title.</li> </ul>
TC-21.20	Foundations	<b>Change</b>	<ul style="list-style-type: none"> <li>In "Anchor Base" view, revised 6" +/- 1" dimension to terminate at top of conduits.</li> </ul>
TC-64.10	Rumble Stripes	<b>NEW</b>	<ul style="list-style-type: none"> <li>The former PIS on this subject (PIS 206410) has been deleted. Revised notes - addressed various pavement marking material types, defined rumble stripes. Added new detail showing rumble stripes on centerlines with RPM's. Deleted "OR LANE LINE" in 3 details (Single Center Line, 6" Center Line, 4" Center Line). Added Center Line Rumble Strips to "Side Road and Drive..." detail. In Single Center Line detail, revised centerline to a dashed line. Added Legend box.</li> </ul>
TC-81.21	Single Arm Overhead Signal Support	<b>Change</b>	<ul style="list-style-type: none"> <li>Added new Note 19 re. backplates and Note 20 re. signal head min. and max. clearance. Added a sentence to Note 5. In schematic on lower right of page 1, relocated heads so yellow lens are centered over arm; added (*) to Pole Height label, and to table on page 2; added "See Note 20" to min. &amp; max. clearance of signal head label. On page 2, relabeled existing note 1 as "A.", the unlabeled note as "B", and added a new third note "C"; modified table's "Pole" and "Arm" columns.</li> </ul>
TC-83.20	Cabinet Foundations and Pedestals	<b>Change</b>	<ul style="list-style-type: none"> <li>Modified Notes 5 and 11. In "Transformer Type Pedestal Base" detail, added through-bolt. In table on left side of drawing, labeled it "TS-1" and changed Types to M36 and P44. Added new table "TS-2" below it.</li> </ul>

TC-85.20	Overhead Signal Attachment - Mast Arm	<b>Change</b>	<ul style="list-style-type: none"> <li>In schematic shown in upper left, added "Center Entire Signal Head on the Center of Arm, +/- 6".</li> </ul>
TC-85.21	Signal Tether Attachment	<b>Change</b>	<ul style="list-style-type: none"> <li>Added new Note 9 re. backplates.</li> </ul>
TC-85.22	Overhead Signal Attachments - Span Wire	<b>Change</b>	<ul style="list-style-type: none"> <li>In "5 Section Signal Head Suspension" detail, added label "Route wires through completely enclosed raceways, using only the center openings of each section."</li> </ul>
TC-86.10	Railroad Preemption Interface Panel	<b>NEW</b>	<ul style="list-style-type: none"> <li>New drawing.</li> </ul>
HL-10.13	Pole Base Details	<b>Change</b>	<ul style="list-style-type: none"> <li>Added Notes 7, 8 and 9. Moved "Steel Anchor Bases" to top of sheet. Added "On Transformer Base" beneath upper-left detail and "On Median Barrier" beneath upper-right detail. Added new detail, "On Concrete Foundation". In upper-left detail, revised "17" – 20" to "17" max. (alum.)" and "20" max. (steel)". Minor other changes to upper-right detail.</li> </ul>
HL-10.31	Light Tower Details	<b>Change</b>	<ul style="list-style-type: none"> <li>Added Notes 6 and 7. Added "Elevation View" below "Portable Power Unit Details" in upper-right detail. Minor other changes to "Pole Base Details" drawings, incl. adding varmint screen. (In 'View A', added "Use only flat washers under anchor bolts. No lockwashers." detail.)</li> </ul>
HL-20.11	Foundation and Trench Details	<b>Change</b>	<ul style="list-style-type: none"> <li>In "Section C-C" added "Conduit" and "Duct Cable" labels. In "Section A-A" added "Conduit" label. Minor change to "Capping Detail" drawing.</li> </ul>
HL-20.14	Structure Lighting	<b>Change</b>	<ul style="list-style-type: none"> <li>In "Section B-B" and "Section C-C" details, added "Pilaster" before "Projection Beyond..." label.</li> </ul>
HL-30.11	Pull Box Details	<b>Change</b>	<ul style="list-style-type: none"> <li>Added Note 11. Relabeled "Section B-B" as "Section A-A"; added label "Detail A" to it. "Detail A" shown to right of "Section A-A". Minor other changes to Section A-A and Plan View.</li> </ul>
HL-40.20	Power Service, Ground Mounted	<b>Change</b>	<ul style="list-style-type: none"> <li>Added Note 1. In drawing, added "(typ.)" after 10' dimension; added "min." after 4' dimension, and added "cover" after 4" dimension (lower left).</li> </ul>
HL-50.11	Grounding Details	<b>Change</b>	<ul style="list-style-type: none"> <li>In "Fence Grounds..." detail, added "Location of" before "Fence Ground..." label. Replaced four arrows with grounding symbol.</li> </ul>
HL-50.21	Structure Grounding	<b>Change</b>	<ul style="list-style-type: none"> <li>On page 1, stretched drawing horizontally across page and revised upper-left label. On page 2, added</li> </ul>

			“(Min. Depth 30”) to “Rod Type Plane” and “Cable Type Plane” details.
HL-60.21	Tower Wiring Details	<b>Change</b>	<ul style="list-style-type: none"> <li>Added cord grip in multiple places. Added “(NEMA 3X)” beneath Terminal Block Enclosure and Disconnect Switch Enclosure labels.</li> </ul>
HL-60.31	Control Center Wiring	<b>Change</b>	<ul style="list-style-type: none"> <li>Added three Notes. Added “Neutral” and “Ground” labels to the four drawings.</li> </ul>
MT-97.20	Temporary Portable Rumble Strips for Use with 1 Lane – 2 Way Operation Using Flaggers	<b>NEW</b>	<ul style="list-style-type: none"> <li>New drawing re. optional use of portable temporary rumble strips.</li> </ul>
MT-99.30	Work Zone Delineation	<b>Change</b>	<ul style="list-style-type: none"> <li>Added new Note 10 re. timing of installation of RPM’s, and renumbered subsequent notes.</li> </ul>
MT-101.80	PCB to Permanent Barrier Transitions	<b>NEW</b>	<ul style="list-style-type: none"> <li>New drawing re. connections between portable and permanent barrier wall.</li> </ul>
MT-103.10	Construction Access Points	<b>NEW</b>	<ul style="list-style-type: none"> <li>The previous PIS on this subject (209563) has been deleted. The new SCD includes: different signs, removal of “C” (concrete) in “PCB” labels, 250’ dimensions changed to 270’, 600’ dimensions changed to 650’, and other miscellaneous changes.</li> </ul>
MT-104.10	Variable Work Zone Speed Zone (VWZSZ) Using Digital Speed Limit (DSL) Sign Assemblies	<b>NEW</b>	<ul style="list-style-type: none"> <li>New drawing re. Digital Speed Limit (DSL) Sign Assembly layout.</li> </ul>
<b>Plan Insert Sheet</b>			
	PIS Index	Editorial	Updated per this revision.
201015	Extension of Anchor Bolts	<b>Deletion</b>	<ul style="list-style-type: none"> <li>A new SCD (TC-10.15) on this subject has been introduced.</li> </ul>
202013	Median Mounted Light Poles with Permissible Construction Joint	<b>NEW</b>	<ul style="list-style-type: none"> <li>Differs from SCD HL-20.13 in that it incorporates a permissible construction joint allowing the foundation/parapet to be placed in two independent operations (i.e., monolithic pours no longer necessary, but can still be performed if desired). The anchorage portion of anchor bolts has changed; previous L-hook bolt replaced w/anchor plate.</li> </ul>
202024	Foundation for Median Mounted Light Tower	<b>NEW</b>	<ul style="list-style-type: none"> <li>Differs from SCD HL-20.24 in that it incorporates a permissible construction joint allowing the foundation/parapet to be placed in two independent operations (i.e., monolithic pours no longer necessary, but can still be performed if desired). The anchorage portion of anchor bolts has changed; previous L-hook bolt replaced w/anchor plate.</li> </ul>

202025	Light Tower Foundations	<b>NEW</b>	<ul style="list-style-type: none"> <li>Because SCD HL-20.24 referenced SCD HL-20.21, it was also modified and has been designated PIS 202025. (202021 is currently in use.) The anchorage portion of anchor bolts has changed; previous L-hook bolt replaced w/anchor plate.</li> </ul>
202110	Sign Support Foundations	<b>NEW</b>	<ul style="list-style-type: none"> <li>Because SCD HL-21.50 referenced SCD HL-21.10, it was also modified and has been designated PIS 202110. The anchorage portion of anchor bolts has changed; previous L-hook bolt replaced w/anchor plate.</li> </ul>
202120	Foundations	<b>NEW</b>	<ul style="list-style-type: none"> <li>Because SCD HL-21.50 referenced SCD HL-21.20, it was also modified and has been designated PIS 202120. The anchorage portion of anchor bolts has changed; previous L-hook bolt replaced w/anchor plate.</li> </ul>
202150	Concrete Barrier Median Overhead Sign Support Foundations (Single Slope)	<b>NEW</b>	<ul style="list-style-type: none"> <li>Differs from SCD HL-21.50 in that it incorporates a permissible construction joint allowing the foundation/parapet to be placed in two independent operations (i.e., monolithic pours no longer necessary, but can still be performed if desired). The anchorage portion of anchor bolts has changed; previous L-hook bolt replaced w/anchor plate.</li> </ul>
203030	Wapiti Software Timing – Master	<b>Deletion</b>	<ul style="list-style-type: none"> <li>No longer used.</li> </ul>
203322	Wapiti Software Intersection Timing, 332 Cabinet	<b>Deletion</b>	<ul style="list-style-type: none"> <li>No longer used.</li> </ul>
203323	Wapiti Input File Information for 332 and 336 Cabinets	<b>Deletion</b>	<ul style="list-style-type: none"> <li>No longer used.</li> </ul>
203362	Wapiti Software Intersection Timing, 336 Cabinet	<b>Deletion</b>	<ul style="list-style-type: none"> <li>No longer used.</li> </ul>
206410	Rumble Stripes	<b>Deletion</b>	<ul style="list-style-type: none"> <li>A new SCD (TC-64.10) on this subject has been introduced.</li> </ul>
208340	Breakaway Transformer Base Connector Design	<b>Change</b>	<ul style="list-style-type: none"> <li>Added Notes 5 and 6. In left detail, revised “17” to 20” to “17” max.”, and added “Cast Aluminum Transformer Base” label.</li> </ul>
209563	Construction Access Points	<b>Deletion</b>	<ul style="list-style-type: none"> <li>A new SCD (MT-103.10) on this subject has been introduced.</li> </ul>