

OTE Standard Drawings Revision Log January 19, 2007 Revision

The following is a detailed list of the changes made to the OTE Standard Construction Drawings (SCDs) as of January 19, 2007. For your convenience in using the electronic version of this list, links (blue, bold and underlined) have been provided in the following menu.

DRRC Web Page	“What’s New” Page	Traffic Home Page
<u>HL Drawings</u>	<u>MT Drawings</u>	<u>TC Drawings</u>

Revision Involves:		Revision Type *	Revision Description
Drawing Number	Title		
<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			
	All drawings included in this revision	Editorial	Made minor format changes in the drawings, including revising the dimensions shown in the drawing to “ft” and “in” and spelling out the English dimensions in the notes. Drawings were also revised to use MicroStation V8 format.
	Index	--	Updated.
HL Drawings [top of page] .			
HL-10.12	Light Pole Details	Change	Revised Note 8 to refer to Grounding Conductor instead of Grounding Cables.
HL-20.11	Foundation and Trench Details	Change	Revised the 1 st sentence in Note 3 to “Grounding conductor shall be 4 AWG, insulated copper.” Deleted Note 6 and renumbered Notes 7 and 8 accordingly. In the “Special Conduit Ells” table, deleted the information for “3” (76) 713.07.” In the “Section A-A” and “Section B-B” details, deleted the reference to the 2 nd ground rod, and the reference to Note 4 was revised to Note 5. In the “Alternate Trench,” “Normal Trench” and “Section A-A” details, revised “Copper Ground Cable” to “Grounding Conductor (See Note 3).”
HL-20.13	Foundation and Junction Box Details Median Mounted Light Poles Type 3	Change	In the left portion of the “Median Light Pole Foundation” detail, removed the “725.16” reference from the Ground Rod. In the right portion of this detail and in the “Barrier Junction Box” detail, revised the width “2 ft 4-1/2 in (960 mm)” to “4 ft (1620 mm).” Deleted the left dimension “3/4 in (19 mm)” and revised the leader line label “3/4 in (19 mm) Expansion Joint (705.03)” to “Construction Joint.” In detail “B-B,” removed the “725.16 reference from the Ground Rod.
HL-20.21	Light Tower Foundations	Change	In the “Foundation Without Maintenance Platform:” detail, revised “1 in. (25 mm) DIA. Conduit” to “3/4 in (19 mm) SCH. 40 PVC.”
HL-30.21	Roadway Conduit Details	Change	Deleted the “Method No. 1” detail and renumbered the other “Method” details accordingly.

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HL-40.10	Power Service Pole Mounted	Change	In the "Typical Service Pole Heads" detail, deleted "2 Pole, Secondary Lightning Arrester" and "Arrester Ground," and revised "Grounded Neutral" to "Neutral."
HL-40.20	Power Service Ground Mounted	Change	On the right side, revised "PVC Conduit" to "Sch. 40 PVC Conduit."
HL-50.11	Grounding Details	Change	In the "Wood Post" and "Steel Post" details, revised "No. 4" to "4 AWG," and "Ground Cable" to "Grounding Conductor."
HL-50.21	Structure Grounding	Change	On sheet 2 of 4, in the details for "Driven Pile Footer" "Drilled Shaft" and "Spread Footer," revised references to "No. I/O Stranded Copper Cable" to "I/O AWG Stranded Insulated Copper Cable." Also, in the "Cable Type Plane" detail, revised "No. I/O Bare Copper Cable" to "I/O AWG Bare Copper Cable." On page 3 and in the "Anchor Bolt Grounding" detail on page 4, revised references to "No. I/O Stranded Copper Cable" to "I/O AWG Stranded Insulated Copper Cable." Added a title over the notes on pages 2, 3 and 4.
HL-60.11	Pole Wiring I	Change	In the Anchor Base Pole detail, revised the drawing to show all three cables extending into the pole. In the Anchor Base and Transformer Base details, relabeled the Lines "N" and "L" to "L" and "N," respectively, and added a "G" line. Also switched the information for the Fused and Unfused Y connectors, and added an asterisk and related information. Revised "Detail B" and "Ground Cable" to "Note 3" and "Grounding Conductor," respectively. Revised the titles of the details and deleted Details A and B. Added Note 3.
HL-60.12	Pole Wiring II	Change	In the left detail, deleted both lower lines labeled "N" and renamed the uppermost line labeled "N" to "G." Revised the right detail, to show the upper bar split into two separate bars (a grounding and a neutral bar), and added a "G" line to the top. Revised the titles of the two details.
HL-60.21	Tower Wiring Details	Change	In the upper detail, labeled the 2 nd and 4 th bar as "Grounding Bar" and revised the line going to the "Pole Lug" to end at the second bar. Relabeled lines designated as "N" to "G." In the lower detail, split the 4 th bar into two separate bars, and labeled the 2 nd and the upper portion of the 4 th bar as "Neutral Bar, Isolated." Labeled the third bar and the lower portion of the fourth bar as "Grounding Bar." Added lines labeled "G" and revised references to "2/C" to "3/C." Revised the line extending from the "Pole Lug" to attach to the 3 rd bar and made several other revisions to the existing wiring connections.
HL-60.31	Control Center Wiring	Change	For greater clarity, split the drawing into two sheets. Moved the 277/480 Volt diagrams to sheet 2. The lines were relabeled throughout and the titles for the different wiring diagrams were revised.

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Drawing Number	Title		
MT-99.60	Short Duration Closing of Rural Divided Highway	Deletion	This drawing is temporarily replaced by Plan Insert Sheet 20960.
TC Drawings [top of page] .			
TC-7.65	Aluminum Truss Overhead Sign Support	Change	In the Pole Base Detail removed the reference to "Lockwashers." Made minor format changes, including repositioning information for better clarity and revising the dimensions in the drawing to "ft" and "in" and spelling out the English dimensions in the notes. Revised the drawing to use MicroStation V8 format.
TC-9.10	Semi-Overhead Sign Support	Change	On the pole detail on the left side of page 1, revised the dimension line for "Variable, See Note 6" to extend to the centerline of the pole. On page 2, removed the reference to "Lockwashers" from the Pole Base Detail. Also made minor format changes, including revising the dimensions in the drawing to "ft" and "in" and spelling out the English dimensions in the notes. Revised the drawing to use MicroStation V8 format.
TC-9.30	Center Mount Overhead Sign Support	Change	On page 1, in the detail in the upper left, revised the dimension from the left edge of the sign to the center of the pole to "Variable, See Note 6." Revised the anchor bolt reference in the Pole Base Detail to eliminate lockwashers. Also made minor format changes, including revising the dimensions in the drawing to "ft" and "in" and spelling out the English dimensions in the notes. Revised the drawing to use MicroStation V8 format.
TC-12.30	Cantilever Overhead Sign Support	Change	Revised the Alternate Design detail to eliminate lockwashers. Also made minor format changes, including revising the dimensions in the drawing to "ft" and "in" and spelling out the English dimensions in the notes. Revised the drawing to use MicroStation V8 format.
TC-15.115	Steel Truss Overhead Sign Support	Change	Revised the Pole Base detail to eliminate lockwashers. Also made minor format changes, including revising the dimensions in the drawing to "ft" and "in" and spelling out the English dimensions in the notes. Revised the drawing to use MicroStation V8 format.
TC-16.20	Single Arm Overhead Sign Support	Change	In the upper portion of page 1, showed the dimension from the bottom of the sign to the top of the pavement as "17 ft (5.2 m) MIN" to make it in accordance with OMUTCD 2A.18. Revised the Pole Base detail to eliminate lockwashers. Also made minor format changes, including revising the dimensions in the drawing to "ft" and "in" and spelling out the English dimensions in the notes. Revised the drawing to use MicroStation V8 format.
TC-17.10	Span Wire Overhead Sign Support	Change	Revised the height from the roadway to the bottom of the sign in the upper left corner to "17 ft. (5.2 M) MIN."
TC-21.10	Sign Support Foundations	Change	Revised "EMT" to "PVC" in the upper left portion of the drawing. In Note 4 revised "plain and lockwashers" to "plain washers."

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TC-21.20	Foundations	Change	In the top view of the "Anchor Base" detail, revised "EMT" to "SCH. 40 PVC" and in the profile view, revised "Grounding Wire:" to "Grounding Conductor." In the "Embedded Pole" detail, revised "Grounding Wire:" to "Grounding Conductor." In Note 4 revised "plain and lockwashers" to "plain washers."
TC-21.40	Concrete Barrier Median Overhead Sign Support Foundations	Change	In the upper left hand detail and the "Cantilever, Butterfly or Center Mount Type" detail, revised "EMT" to "SCH. 40 PVC." In the lower left hand detail, added "SCH. 40 PVC" to the end of the dimension "3/4 in (19 mm)."
TC-32.10	Sign Service Details I	Change	In the Enclosure Wiring detail, revised the subtitles, revised or deleted the "N" lines and added "G" lines for both drawings. In the "Section A-A" and "Section B-B" details, revised "Ground Wire" to "Grounding Conductor" and "# 4 AWG Insulated" to "4 AWG," and "EMT" to "SCH.40 PVC." Revised "Neutral Bar" to "Ground Bar" and "See Note 4" to "See Note 3." In the "Switch Enclosure" detail, added ", Isolated" after "Neutral Bar" and added an additional bar labeled "Ground Bar." Deleted Note 3 and renumbered Note 4.
TC-32.11	Sign Service Details II	Change	In the "Overpass Structure Mounted Sign" detail, revised "Flexible Cable" to "Liquidtight Flexible Metal Conduit." Revised "2" (51 mm) Rigid Conduit" to "2 in (51 mm) Rigid Conduit (Bond Both Ends of Conduit to Grounding Conductor)." In the "Direct Drop Service" detail, revised "EMT" to "SCH. 40 PVC." In the "Wiring for Direct Drop" detail, revised the subtitles and added "G" lines. In the "Section A-A" detail revised "Ground Wire" to "Grounding Conductor" (3 places) and redrew lines. Revised "Insulation Bushing" to "Grounding Bushing" and added "(See Note 3)" to the lower portion of this detail. Revised Note 3.
TC-41.30	Sign Post Reflectors	Change	New Drawing.
TC-41.50	One Way Sign Support Details	Change	In the "Single Post" detail, eliminated the center bolt hole and revised the vertical dimension between bolt holes. Revised the width between bolt holes in the "Two Post" detail from "24" (600 mm)" to "30 in (750 mm)." Eliminated the center bolt holes and revised the vertical dimension between the bolt holes to "30 in (750 mm)." In Note 1, revised the "48" x 18" (1200 mm x 450 mm)" to "54 x 18 inch (1350 x 450 mm)."

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TC-42.10	Typical Guide Sign Placement	Change	Revised the metric measurements for the horizontal distance from the paved shoulder to the edge of the sign to 4.9 m TYP. and 3.7 m MIN. Revised the metric measurement in the title of the detail "Typical Installation, Fill Section, 30' (9.1 m) Offset" to "(9 m)." Added the asterisk note located just below the "Streets-Ramps-Highways" detail, and revised the elevation from the bottom of the sign to the roadway from "5' (2.1 m) Typ." to "7 ft (2.1 m) Min.;" Rephrased Note 5. Replaced the tables on this drawing with new ones. Changes include showing spacing distances in inches instead of feet and including data for an "L" of 4 feet up to and including 30 feet (1.2 m - 9.0 m).
TC-52.10	Sign Blank Details I	Change	Revised the tables for each of the sign shapes to reflect current ODOT practices. The details were rearranged for a clearer presentation. Added the PENT-2-4, CIR-2-4 and I.S.-2-4 details. Deleted the OCTA-1-3, CIR-1-3, I.S.-1-3, TRI-1-3 and DIA-1-3 details. Revised the details that showed a dimension from the top bolt hole to the centerline to show the distance between bolt holes. Added dimensions for sign blanks missing a dimension from bolt hole to edge of sign. Corner radius dimensions were relabeled. Renamed the "OCTA-2-6" detail "OCTA-2-4." Renamed the "PENT-1-3" detail "PENT-1-2," and revised the existing dimensions "D" and "R" to "C" and "D," respectively. In the detail for CIR-1-2, revised dimension A to indicate the radius. Renamed the "DIA-2-6" detail "DIA-2-4." In Note 4, revised the thickness of route shields from 0.063 inches (1.6 mm) to 0.080 inches (2.0 mm). Added Note 5.
TC-52.20	Sign Blank Details II	Change	Split the drawing into two sheets. Information relating to horizontal rectangle (H-REC) sign blanks was moved to the 2nd sheet. Revised the tables for each of the sign shapes to reflect current ODOT practices. Added a detail for V-REC-2-6. Deleted details SQ-1-3 and V-REC-1-3. Renames details "SQ-1-6" and "V-REC-2-6" to "SQ-2-4" and "V-REC-2-4," respectively. Revised the details that showed a dimension from the top bolt hole to the centerline to show the distance between bolt holes. Added dimensions for sign blanks missing a dimension from bolt hole to edge of sign. Corner radius dimensions were relabeled. Added Note four.
TC-71.10	Word and Symbol Pavement Markings	Change	Revised the 3 rd paragraph of Note 3 to describe the symbol as extending to the width of two approach lanes, not "all lanes."
TC-83.10	Pole Mounting for Controllers and Power Service	Change	Revised "EMT" to "PVC" in the lower portion of the center detail and in Note 12.
TC-83.20	Cabinet Foundations and Pedestals	Change	Revise "EMT," "Ground Wire" and "Insulated Bushing" to "SCH. 40 PVC," "Grounding Conductor" and "Conduit Bushing," respectively. Revised Note 4.

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TC-84.20	Messenger Wire Details	Change	Revised "EMT" to "PVC" in the detail note just above the "Interconnect and Loop Detector Lead-in Attachment Detail" label.
TC-84.21	Messenger Wire Details II	Change	Revised "Ground Wire" to "Bonding Jumper." In Note 1, revised the size of the thru-bolt.