

Signal SCD Revision Log 07/01/24

Std Dwg #	Sheet #	Revision Description
4000	1 & 2	Added reference to SCD 1441 for approved fill type.
4121	1	Added dimension for bracket arm attachment height.
4163	1	Revised pedestal anchor bolt material description to reference CMSC 732.09.
4230	2	Revised sign code callout to R10-4A.
4300	3	Removed conflicting note about the number of turns for the loop winding pattern.
4300	4	Removed table specifying the number of turns for the bicycle loop winding pattern.

Signal SCD Revision Log 07/01/21

Std Dwg #	Sheet #	Revision Description
4163	1	Added STD DWG 2187 (15.1' Pedestal for RRFB) to table.
4170	6	Added messenger wire size column to table.

Signals and CTSS SCD Revision Log 07/01/20

Std Dwg #	Sheet #	Revision Description
4021	3	Corrected word "air entrapment" to "air entrainment"
	3	Enhanced sentence about duct sealing of conduits to include alternating layers of steel wool
	3	Added sentence requiring the pull box lid raised letters to be embossed rather than using bonded tags
4022	3	Corrected word "air entrapment" to "air entrainment"
	3	Enhanced sentence about duct sealing of conduits to include alternating layers of steel wool
	3	Added sentence requiring the pull box lid raised letters to be embossed rather than using bonded tags
4023	1 & 2	Removed ground bolt from pull box top section detail
	4	Corrected word "air entrapment" to "air entrainment"
	4	Enhanced sentence about duct sealing of conduits to include alternating layers of steel wool
	4	Added sentence requiring the pull box lid raised letters to be embossed rather than using bonded tags
4106	2	Removed 4" bolt projection dimension from drawing
4121	1	Added 29' dimension for combination pole height
	2	Created new sheet for non-combination pole details
	5	Specified cast aluminum as material for decorative bases
	5	Improved note for decorative base handhole alignment and size
	8	Changed dimension for combination pole tenon from 7" projection to 9"
4162	2	Updated cabinet foundation sizes to current (TS-2) cabinet standards
	2	Added detail for M36 stretch cabinet work pad
4163	1	Changed 5' pedestal anchor bolt size from 3/4" to 1"
	1	Updated material specification for pedestal anchor bolts from ASTM A307 to ASTM F1554 GR 55
	1	Replaced dimension on detail for anchor bolt diameter with a reference to anchor bolt size table
	1	Updated top view detail expansion material location

Signals and CTSS SCD Revision Log 06/16/20

Std Dwg #	Sheet #	Revision Description
4201	ALL	Standard drawing eliminated
4250	ALL	Standard drawing eliminated
4251	ALL	Standard drawing eliminated
4252	ALL	Standard drawing eliminated
4300	1	Added loop geometry and position specifications to SCD
4332	ALL	Standard drawing eliminated
4333	ALL	Standard drawing eliminated
4600	NEW	Created new SCD: Messenger Wire Details for Fiber Optic Cable
4601	NEW	Created new SCD: Fiber Optic Cable Slack Storage Rack
4602	NEW	Created new SCD: Modified Conduit Riser
4603	NEW	Created new SCD: Aerial Fiber Optic Cable Strain Pole Entry
4650	NEW	Created new SCD: Wireless Radio Mounting Details

SCD Revision Log 10-1-2018

Std Dwg #	Sheet #	Revision Description
4100	1	Corrected base width dimension and bolt slot width on plate pedestal base detail (upper left).
		Added collar height dimension and adjusted overall height of transformer base.
4103	2	Note 4: Corrected reference to SCD 4105.
4110	1 and 2	Revised to specify flush welded end cap for bottom tube.
		Revise cable entry hole to 1.5" (View A-A).
		Revised clamp bolt length and clamp gap information (View A-A).
4120	1	Arm rise dimension: added Design 13 to the list of poles with a 3" to 30" range.
	2	Changed pole size column to show just the base diameter in Table 1 Part A. Pole height to be determined by designer.
	9	Note 16: Added requirement that a mechanical dampening device must be included on all arms 59' and greater.
4121	1	Mechanical dampening device callout: corrected reference to note 15.
		Updated MIS references for luminaire and bracket arm.
	2	Changed pole size column to show just the base diameter in Table 1 Part A. Pole height to be determined by designer.
4122	1	Note 15: Added requirement that a mechanical dampening device must be included on all arms 59' and greater.
		Changed bracket arm mechanical dampening device to use stranded cable instead of steel rod.
		Added 42" diameter foundation option for Design 13 poles (lower left).
4160	1	Added 42" diameter foundation option for Design 13 poles (lower left).
	2	Added 42" diameter foundation option for Design 13 poles (lower left).
4162	1	Note on lower right side regarding visible marker in the concrete: corrected the PVC conduit dimension to 3/4".
4162	1	Changed the 24" depth of conduit ells entering foundation to be measured from the sidewalk or ground level and also made it a minimum dimension.
4170	1	Deleted dimension between top of pole and span attachment (Varies, 1" min); added 12" dimension between span attachment and bottom of upper handhole.
	New sheet 3 of 7	Added anchor bolt/base plate cover detail and dimensions.
	6 (was 5)	Removed minimum pole height column (height determined by designer); consolidated base moment column and max design base moment column.
4230	1	Eliminated CM-R10-3A pushbutton sign for back of ramp per new ADA policy.
4230	1 and 2	Changed the hand symbol on R10-3A-9(R) so it points the same direction as the arrow per guidance from OMUTCD.

SCD Revision Log 8-10-17

Revision Involves:			Type *	Revision Description
Drawing Number	Old Sheet	New Sheet		
*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.				
4000	2	2	Editorial	Updated concrete class callout to match new terminology in 2017 CMSC.
4021	2	2	Change	Removed note that the casting should be installed as shown when inside an asphalt or concrete area; pull box should always be installed in the orientation shown even if located in grass area.
4021	2	2	Editorial	Updated dimensions on frame and cover detail to match current manufacturer specifications.
4021	2	2	Editorial	Corrected callout to include two open pick holes (was one) to match current manufacturer specifications.
4021	3	3	Editorial	Added clarification to notes that conduit should not enter via the bottom of the pull box and added clarification that conduits should enter the pull box as close to 90° to the knockout as possible.
4022	1	1	Editorial	Added clarification that a clip is to be used on the lid when frame is in dirt area.
4022	3	3	Editorial	Added clarification to notes that conduit should not enter via the bottom of the pull box and added clarification that conduits should enter the pull box as close to 90° to the knockout as possible.
4023	1,2	1,2	Editorial	Added clarification that a clip is to be used on the lid when frame is in dirt area.
4023	4	4	Editorial	Added clarification to notes that conduit should not enter via the bottom of the pull box and added clarification that conduits should enter the pull box as close to 90° to the knockout as possible.
4024	1	1	Editorial	Added loop raceways entering pull box to the drawing.
4050	1	1	Change	Changed the riser detail for the embedded pole to show an external riser used instead of cables entering the pole.
4050	1	1	Change	Added mounting height specifications for pole-mounted cabinets.
4052	1	1	Change	Added mounting height specifications for pole-mounted cabinets.
4100-4104	1	1	Change	Removed information regarding anchor bolts - this information was relocated to SCD 4163.
4101-4104	1	1	Change	Updated dimensions to match current manufacturer specifications.
4101-4104	1,2	1,2	Change	Changed transformer base size from 20" to 17".
4104	1	1	Editorial	Corrected unit on pushbutton mounting height dimension.
4105	1	1	Change	Updated drawing to reflect a 17" transformer base.
4105	1	1	Change	Removed information regarding anchor bolts - this information was relocated to SCD 4163.
4106	1	1	Change	Corrected decorative base skirt dimensions to match current manufacturer specifications.
4110	1	1	Change	Changed title to "Detector Unit/Traffic Flow Monitor Bracket Arm" (was " Video Detector/Traffic Flow Monitor Bracket Arm").
4110	1	1	Change	Added anti-rotation bolt to bracket arm clamp.
4110	1	1	Editorial	Removed clamp gap dimension references.
4110	1,2	1,2	Editorial	Added callout to field drill holes in the pole for both the top and bottom bracket arm tubes.
4110	1-3	1-3	Change	Added radar detector unit to drawing and updated callouts and notes accordingly.
4110	1	1	Change	Added note to include a threaded end cap when the horizontal slipfitter is not used.
4110	3	3	Editorial	Fixed typo on note #5 (now "strain pole").
4110	3	3	Change	Changed note to remove steel bracket arm (aluminum bracket arms only).
4111	1	1	Editorial	Updated callout for second field-drilled hole (see change to SCD 4110).
4111	1	1	Editorial	Added radar detector unit to drawing.
4111	1	1	Editorial	Corrected typo on note #4.
4120	1	1	Editorial	Added lock nut and snag to callout for the 1/2" through bolt callout.
4120	1	1	Editorial	Added designs C15 and C16 to callout.
4120	2	2	Change	Table 1 - Part A - Changed C15 standard pole height from 27' to 23'.
4120,4121	2	2	Change	Table 1 - Part A - Updated table to combine the "Arm" and Two Piece Arm" sections into one section for clarification.
4120,4121	2	2	Editorial	Table 1 - Part A - Added asterisk to standard pole heights that the actual pole height shall be based off pavement and foundation elevations.
4120,4121	2	2	Editorial	Table 1 - Part A - created a max length column instead of listing total length.
4120,4121	2	2	Change	Table 1 - Part B - Anchor bolt length and size column removed - this information was relocated to SCD 4160.
4120	8	8	Change	Moved location of J hook closer to top tube of bracket arm.
4120	8	8	Editorial	Removed "video" from callout for bracket arm.
4120	10	10	Editorial	Removed "video" from note #23A.
4121	1	1	Change	Added handhole location above the mast arm attachment point; reference made to note #31.
4121	1	1	Editorial	Corrected note reference number for mechanical dampening device callout.
4121	9	9	Editorial	Removed "video" from note #22A.
4121	9	9	Change	Added note #31 which places the handhole above the mast arm when feasible but allows for the handhole under the mast arm when not possible.
4160	1	1	Change	Added callout to see vertical rebar diagrams for size and number.
4160	1	1	Editorial	Corrected anchor bolt depiction in sideview.
4160	1	1	Editorial	Added reference to note #6 for the no. 4 rebar callout on the top view.
4160	1	1	Editorial	Added dimensions to ground rod.
4160	1	1	Editorial	Removed reference to note #10 on the rebar callout on the side view.
4160	2	2	Change	Changed anchor bolt detail to include a hex nut anchor bolt option and a headed anchor bolt option.

SCD Revision Log 8-10-17

Revision Involves:			Type *	Revision Description
Drawing Number	Old Sheet	New Sheet		
*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.				
4160	2	2	Change	Updated anchor bolt dimension table.
4160	2	2	Change	Added vertical rebar detail.
4160	3	3	Change	Changed note #11 to describe reinforcing steel requirements.
4162	2	2	Editorial	Added dimension for work pad depth to Controller Cabinet and Foundation Dimensions table.
4163	1	1	Editorial	Corrected anchor bolt length dimension (was 27").
4163	1	1	Change	Added anchor bolt diameter column to foundation details table.
4163	1	1	Change	Added anchor bolt size and material details.
4163	2	2	Editorial	Corrected note #7 to reference SCD 4161.
4170	1	1	Change	Added handhole to top of pole (when span clamp is more than 3' below top of pole).
4170	1	1	Change	Added option to use 3" blind half coupling instead of 2".
4170	1	1	Editorial	Added blind half coupling to combination pole drawing; moved J hook above the blind half coupling.
4170	1	1	Change	Removed weld and 1/4" x 2" bar on inside of pole.
4170	5	5	Editorial	Updated note B materials specifications to match ODOT's TC drawing.
4170	6	6	Editorial	Removed "video" from note #9A.
4202	1	1	Change	Added callout requiring signal heads to be polycarbonate.
4202	1	1	Change	Removed extension from breakaway tether anchor on the the bottom of the signal head; added strain-relief spring and wire rope clamp detail to drawing.
4202	2-4	2-4	Change	Added wire rope clamps to the end of each compression spring.
4202	5	5	Change	Removed Detail D; extensions, if needed must be installed on the top of the signal head and the bottom attachment must use the tri-stud lamp as shown on sheet 2.
4202	6	6	Change	Added sentence to note #4 that nylon or deformed threaded nuts shall be used.
4202	6	6	Change	Removed sentence from note #6 about when to use the bottom tether anchor.
4202	6	6	Editorial	Corrected unit on 17' dimension in note #7.
4202	7	7	Change	Added note #19 about spreader bar hardware; added note #20 about tethering signs.
4300	1	1	Editorial	Added clarification to pull box callout of when to use which size of pull box.
4300	5	5	Editorial	Clarified callout for twisting loop wires on the Conduit Drilled Hole Detail.
4301	2	2	Editorial	Updated notes to include radar detection.
4330	1	1	Editorial	Changed callout to label clamp as "suspension clamp" (was "three bolt clamp").

Revision Involves:			Type *	Section Title and Revision Description
Chapter/Section	Page	New Page		
* 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.				
Chapter 1: General				
1.5	1-6	1-6	Change	Updated to reflect the City changing to a 3-Stage submittal process for design projects.
1.5	1-9, 10	1-9, 10	Change	Inserted new Submittal Checklists for Stage 1, 2 and 3. These replace the old checklists for LG&T and F&OC.
Chapter 2: Plan Preparation				
2.1	2-5	2-5	Change	Fig. 2.2 Traffic Signal Wiring Diagram Legend modified by removing items that pertained only to Grounding and Bonding Diagram Legend. Fig 2.3 Grounding and Bonding Diagram Legend was added with these items included.
Chapter 4: Supports and Foundations				
4.3.2	4-6	4-6	Change	Added language to clarify clear zone measurement.
4.4.2	4-11	4-11	Change	Updated Fig. 4.2 to include a column for Push Button Signs.
4.4.2	4-13	4-13	Change	Updated Fig. 4.4 to include a column for Push Button Signs.
Chapter 6: Pedestrian Features				
6.1.4.1	6-2	6-2	Change	Language instructing to paint just the back of the pedestrian signal head housing removed.
Chapter 12: Interconnect				
12.7	12-22	12-22	Change	Installation of a 48" pull box adjacent to a fiber termination cabinet changed from a should to a shall.
Chapter 13: Underground Facilities				
13.6.1	13-11	13-11	Change	Modified language to clarify the meaning of horizontal deflection in conduit. Horizontal deflection should be 1' of horizontal deflection for every 10' of conduit run.
13.7.4	13-13	13-13	Change	Language modified from should to shall for 48" pull boxes placed at the bulleted locations. A 48" pull box needs to be placed, when feasible, if it meets the listed criteria.
13.8.1	13-14	13-14	Change	Clarified our intentions in regards to conduit bank cross sections. The purpose of these is to show the amount and layout of the conduit, as well as, illustrating the contents of each of the conduits within the bank.
Chapter 15: Timing/Phasing				
15.1.2	15-2	15-2	Change	Lengthened "W" variable in equation 15.2 to include some additional length between the far traveled edge and the far crosswalk line.
15.3	15-33	15-33	Change	Phasing Diagram and Field Wiring Hookup modified to reflect current City of Columbus installation specs.
15.3	15-34	15-34	Change	Phasing Diagram and Field Wiring Hookup modified to reflect current City of Columbus installation specs.

Standard Construction Drawings				
SCD 4001	-	-	Change	Added text to title block within each page to differentiate between encased conduit vs encased conduit bank.
SCD 4106	-	-	Editorial	Base dimension corrected.
SCD 4110	-	-	Change	Removed language referring to a stainless steel bracket arm. The City of Columbus does not have a standard for these at this time.
SCD 4161	-	-	Change	Added a dimension for the amount of anchor bolt to be extended into the sidewalk section.
SCD 4200	-	-	New	Vehicular signal head pole mounting standard.
SCD 4201	-	-	New	Overhead Signal Attachments detail drawing for mast arm.
SCD 4230	-	-	Change	Added a sign and detail for locations that have push buttons but do not have a pedestrian signal head installed.