

2023 STANDARD PLANS DIGEST

July 24, 2023

The 2023 edition of the California Department of Transportation Standard Plans is based on U.S. Customary unit. This is the sixth edition since the Department reverted back to U.S. Customary units as its base units.

The 2023 edition of the Department's Standard Plans is to be used in conjunction with the 2023 edition of the Department's Standard Specifications.

The 2023 edition of the Department's Standard Plans was developed by incorporating the errata revisions made to the 2022 edition of the Department's Standard Plans. In addition, the following revisions that followed the errata, were incorporated:

PLAN SPECIFIC

PLAN NO	CHANGES
A3A	FBCA: Replaced FBCA and its abbreviation with "FBE Flashing Beacon Enclosure".
A20E	Option 1 Detail: Revised the thickness of black striping from 3" to 2". Note 1: Revised note 1 to remove RSP references.
A20G	Note 7: Added note to specify that the body of Type R marker be white. Marker Detail - Type R: Added a reference to note 7
A74A	New Standard Plan titled "Global Navigation Satellite System Station Details".
A76AB	New Standard Plan created by canceling 2022 RSP A76B and moving some of the details into Standard Plan A76AB, and various other revisions to the sheet.
A76AC	New Standard Plan created by canceling 2022 RSP A76B and moving some of the details into Standard Plan A76AC, and various other revisions to the sheet.
A76J	Note 3: Added note to describe the spacing of Wildlife Passageway (Type MS)
A77N1	10"x10" Wood post: Deleted the topmost hole, added a second hole 7 5/8" below the hole which is at 7" from the top. Note 5: Revised note to state that 10" x 10" wood post is to be used with WB-31 Transition.
A77N2	Note 6: Revised note Note 8: Added new note and added references to note 8 W6 x 9 or W6 x 8.5 Steel Post: In the side view, revised the post length from 7'-0" to 8'-0".
A77N3	Note 5: New note for 6" x 8" or 6" x 12" notched wood or plastic block.
A77Q3	Type 12E Layout: Deleted a total of 4 blocks/posts within the 25' parabola.
A77U5	Elevation: Revised the dimension for "MGS Transition to MBGR". Revised the height of MBGR, added dimensions of 3' 1 1/2" at the splice. Added one additional post at the end.
A77R3	Note 4: Revised the 2nd sentence in note 4 by replacing "face of the railing" with "back of post".

B3-4A	Spread Footing Section: Revised the bar configuration in the stem and footing and added a reference to "see note 4". Reinforcement Table: Revised the reinforcement for "b" bars for design heights of 4' and revised the values in row for "Batter". Note 4: Added new note 4 regarding spliced bars.
B3-4B	Spread Footing Section: Revised the bar configuration in the stem and footing " added a reference to "see note 2." Reinforcement Table: Revised the reinforcement for "a" and "b" bars for design height of 4' and revised the values in row for "Batter". Note 2: Added new note 2 regarding spliced bars.
B3-4C	Spread Footing Section: Revised the bar configuration in the stem and footing, added a reference to "see note 2". Reinforcement Table: Revised the reinforcement for "a" and "b" bars for design heights of 4' and 6' and revised the values in row for "Batter". Note 2: Added new note 2 regarding spliced bars.
B3-7A	Note 8: Added note for minimum spacing requirements for horizontal reinforcement in the stem. Note 9: Added note for "e" bars hooks rotation to maintain a minimum bottom clearance of 3". Type 6A and Type 6B Wall: Added references to notes 8 and 9.
B3-7B	Note 8: Added note for minimum spacing requirements for horizontal reinforcement in the stem. Note 9: Added note for "e" bars hooks rotation to maintain a minimum bottom clearance of 3". Type 6A and Type 6B Wall: Added references to notes 8 and 9.
D80	Note 7: Replaced "AASHTO LRFD" with "AASHTO LRFD BDS" Under the table for "i bars", added a note for earth cover over 10'-0".
D81	Typical Sections: Deleted "or #4 at 12" from the callout for "see table for #4 "i" bars or #4 at 12". Typical section spans 4' to 8': Revised the dimension line for "T2". Note 8: Replaced "AASHTO LRFD" with "AASHTO LRFD BDS" Under the table for "i bars" added a note for earth cover over 10'-0".
D84	Sections A-A, C-C: Revised the callout for "FG" to say "FG, See "detail of design loading cases"". Detail of Design loading cases: Revised slope designations. Note 3 & Plan - Straight Wingwalls: Replaced "wings" with "wingwalls"
D85	Detail of Design Loading cases: Revised slope designations. Type D Straight Wingwall - Elevation & Section C-C: Minor revisions to both details
D90	Detail of Design Loading cases: Revised slope designations. Elevation: Removed the "1-0" dimension. Section C-C and optional section C-C: Added a line representing FG. Section C-C: To the callout for FG, added "See detail of design loading cases." Section D-D: Minor revision to reinforcement Note 4: Replaced "wings" with "wingwalls".
D91A	Section C-C. Minor revisions. Revised the shape of #4 stirrups.
D91B	Note 13: Revised "Hydraulic Engineer" to "Hydraulic" CIP Junction Structure Table: Revised the heading of row for Dimension "B" by removing "ft-in".
ES-1B	Signal Equipment: Replaced "Push Button Assembly Post" with "Type 2 Post".
ES-1C	Miscellaneous Equipment: Replaced "Video Image Sensor" with "VideoDetection Sensor".
ES-2A	Legend - Item 7: Replaced "Flashing Beacon Control Assembly" with "FlashingBeacon Enclosure".
ES-5C	Accessible Pedestrian Signal: Replaced "Enclosure and Speaker" with "Housingand Speaker".
ES-7A	Title: In the sheet title, replaced "push button assembly post" with "type 2 post" Base Plate - PBA Post: Revised the detail title to "Base Plate" Detail B - Push Button Assembly Post: Revised the detail title to "Type 2 Post" Type 2 Post - Elevation detail: Deleted the 4'-7" and 5'-7" dimensions for the post height.
ES-7J	Entire sheet: Replaced "Flashing Beacon Control Assembly" with "FlashingBeacon Enclosure".
ES-7K	Elevation A: Replaced "Flashing Beacon Control Assembly" with "FlashingBeacon Enclosure".
ES-8A	Detail A: Replaced the title from "Installation Details" to "Non-Traffic Pull Box." Cover Top View: Removed the details for "Cover Marking Area", "Load Rating"and "Manufacturer's Logo". Installation details - Section A-A: Deleted the callouts for "Grounding Bushing" and "Bonding Jumper" and revised the callout for "Grounding Electrode" to "Grounding Electrode (when required)."

ES-8B	Nominal Dimensions Table: Added a column for "LC". Traffic Pull box - Top View: Various revisions to this detail. Traffic Pull box - Section A-A: Revised the callout for "Grounding Bushing" to "Bushing" Traffic Pull box: Revised the title of this detail by deleting the row of "no. 3 1/2(T), no. 5(T), and no. 6(T) and adding "Detail A."
ES-9B	Various revisions to this sheet, as a result of moving some language to the Standard Specifications.
ES-14B	Title: In the title, replaced "EMS and FBCA wiring Diagram" with "EMS and FBE wiring diagrams". Detail B: In the title for Detail B, replaced "Flashing Beacon Control Assembly" with "Flashing Beacon Enclosure."
ES-14C	Elevation A - EMS with Flashing Beacons: In the callout for the pole, replace "for FBCA wiring diagram" with "for FBE wiring diagram".
ES-18B	Note 11: Replaced "Flashing Beacon Control Assembly" with "Flashing Beacon Enclosure".
ES-18C	Note 11: Replaced "Flashing Beacon Control Assembly" with "Flashing Beacon Enclosure".
H7	Note 3: Revised this note for clarity.
S50	Elevation A: In the callout for the pole, replaced "For FBCA wiring diagram" with "For FBE wiring diagram".
T11	Typical Lane Closure: Corrected the location of extension line at the connection of "L" and "D" dimensions.

GENERAL

The Standard Plans listed below are canceled and are not included in the 2023 Standard Plans edition.

PLAN SPECIFIC

PLAN NO.	CANCELLATIONS
A76B	Standard Plan canceled for 2023 edition, and the details moved to two new std plans: A76AB and A76AC.
B11-71 to B11-78	Standard Plans for NCHRP compliant California ST-20S and ST-70 Vehicular/Bicycle railing are canceled for the 2023 edition.