Bridge Design Details 1.3 March 2026

Titles and Borders

All words in Sheet Titles (e.g., GENERAL PLAN, TYPICAL SECTION, etc.) shall be spelled out completely.

DIVISION OF ENGINEERING SERVICES BRIDGE DESIGN BRANCH X	BRIDGE No. XX-XXXX	XYZ AVENUE OVERCROSSING						
	POST MILE X.X	GENERAL PLAN						
UNIT: XXXX PROJECT NUMBER & PHASE: XXXXXXXXXX1	COUNTY/ROUTE/ZONE: XXX/XXX/X CONTRACT No.: XX-XXXXX4	DISREGARD PRINTS BEARING EARLIER REVISION DATES →	REVISION DATES				SHEET	OF
							X	X

Figure 1.3.1 Sheet Titles

Abbreviations for Structure Names are acceptable when space is limited (e.g., OC, St, Ave, No., etc). The Structure Name should fit in one box and be the same on every sheet. The main characteristic of a project shall be identified in the Structure Name (e.g., REPLACE, RETROFIT, WIDEN, BARRIER REPLACEMENT, etc.); if more than one characteristic fits, use "MODIFY." Other characteristics such as "JOINT SEAL REPLACEMENT" and "APPROACH SLAB REPLACEMENT" are normally tied together, and the term "MODIFY" should be used in those cases.

BRIDGE No. XX-XXXX	XYZ Ave OC (MODIFY)						
POST MILE X.X	TYPICAL SECTION						
COUNTY/ROUTE/ZONE: XXX/XXX/X CONTRACT No.: XX-XXXXX4	DISREGARD PRINTS BEARING EARLIER REVISION DATES →	REVISION DATES				SHEET	OF
						X	X

Figure 1.3.2 Structure Names

For adjacent structures shown on the same set of plans, such as bridge widenings, joint seal and approach slab replacements, or other similar work, Bridge Numbers shall be given as "XX-XXXXL/R". Refer to Bridge Design Details: 3.1 General Plan Detailing Examples, Attachment 3A.A.10.

The County and Route placeholders “XXX/XXX” shall be filled out as appropriate. If the County abbreviation is only two characters (e.g., DN, SF), the extra “X” shall not be used. If the route is single or double digit (e.g., 5, 80), the extra “Xs” shall not be used, and no extra zeros shall be added in front of the route number. Some county abbreviations and routes are three characters.

Names on Structure Plan Sheets

Names shown on Structure Plan sheets should be placed as each component of the work is completed. The check of both the design and details is performed by the Engineer assigned to be the “Checker”. The Engineer who initiates the engineering design is the “Designer” and is never listed as the “Checker”. The “Designer” and “Checker” are both responsible for a complete review of all the details and ensure they meet the intent of the design. Names should be printed using upper and lowercase text.

Please note that on the GENERAL PLAN sheet, additional names are placed in the border. In the lower left corner, the Design Branch Chief’s name at the time the work was completed is given (see Figure 1.3.5), the Engineers responsible for “Layout” are recorded, and the name of the Specifications Engineer is listed for both of the “Specifications” and “Plans and Specs Compared” cells. If the specifications are prepared by a non-registered Engineer, the name of non-registered Specification Engineer is listed in the "Specifications" cell, and the name of registered Specifications Reviewer is listed in the "Plans and Specs Compared" cell. In some cases, the names for the seismic analysis will be the same as the designer and checker, while in other cases, they may be from another Branch. If seismic analysis is not done on the structure, “N/A” shall be placed in the name boxes.

The Design Branch number is also provided on all Structure Plan sheets.

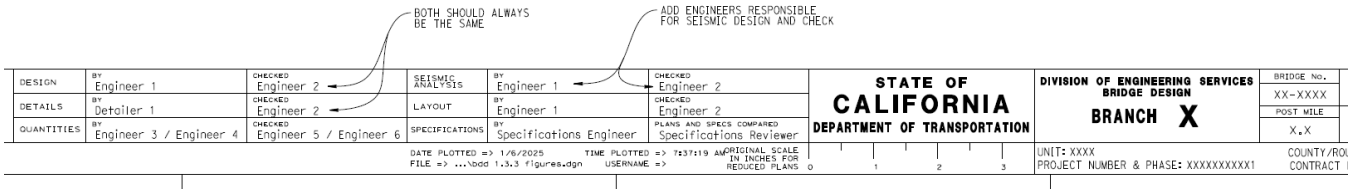


Figure 1.3.3 Names on General Plan Sheet

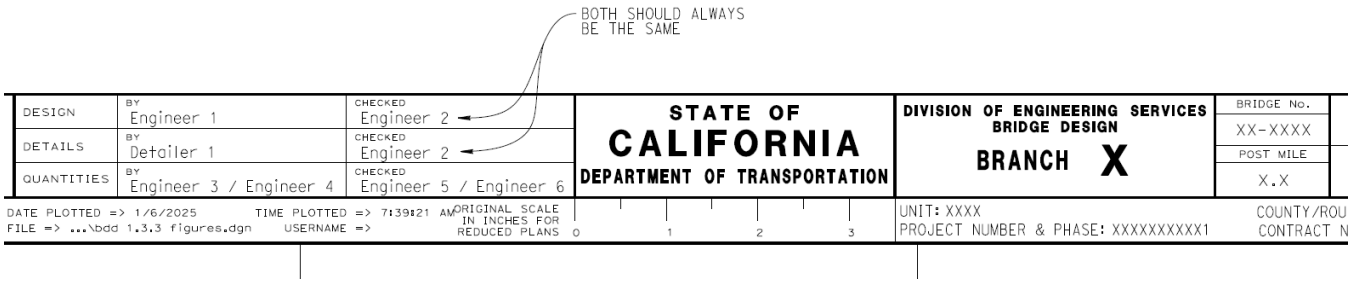
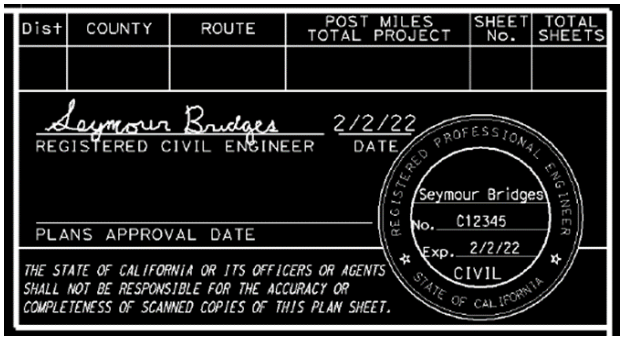


Figure 1.3.4 Names on Structure Plan Sheets

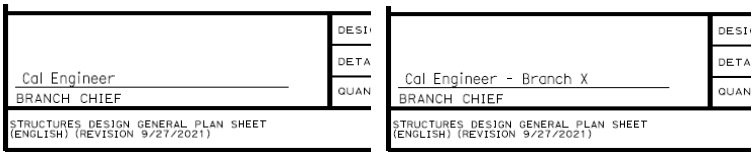
Sheet Title and Signature Block



Typical Index Block includes the signature and seal of registered Project Engineer with name, license number, and expiration date. Index Blocks are used on GENERAL PLAN (GP), Detail Sheet(s), and Bridge Standard Detail Sheets (XS Sheets).

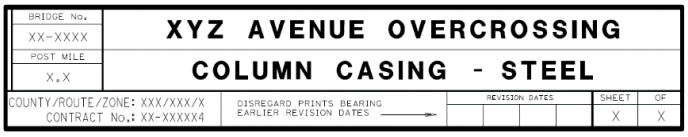
NOTE: Do not change contents of the District placeholder cells (District, County, Route, Post Miles Total Project, Sheet No. or Total Sheets). These placeholders are placed by District electronically with Plans Approval Date during the FPS&E phase of a project.

Typical Sheet Title Block for Structure Plan Sheets.

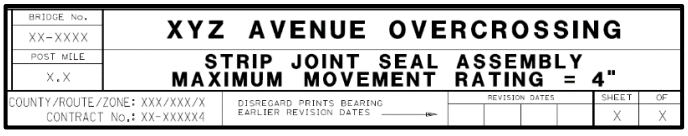


Branch Chief Block on GP sheet or on the first page of Division of Engineering Services (DES) District insertable sheets that do not have General Plan.

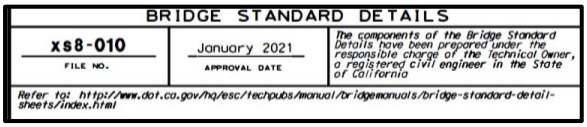
NOTE: Branch Chief's name should be printed using upper and lowercase text. Plans created by Consultant for DES should include the Branch Chief's name and Branch number.



Typical Sheet Title Block for Bridge Standard Detail Sheets (XS Sheets).



Typical Sheet Title Block for Bridge Standard Detail Sheets (XS Sheets) with long name.



Typical Signature Block for Bridge Standard Detail Sheets (XS Sheets).

Figure 1.3.5 Sheet Titles and Signature Blocks

Level for Engineer's Signatures

When creating new design sheets, Engineers' signatures and their corresponding expiration dates shall be placed on Level *str_Border_PSE_Signature-A*. This level is dedicated solely to these signatures in order to facilitate easy removal.

Note that this level shall also be utilized for the Project Engineer's signature and date, that is recorded in a Change Order (CO) decal.

PE Registration Date

Once a Structure Project Engineer has signed the form for use of electronic signatures and the Structure Design Technician has placed the digitized signature on the sheet, his/her seal information and expiration date remain valid in perpetuity as long as the information on the sheet is unmodified. Any changes made to the sheet will require a new seal and date or a supplemental seal typically furnished for change orders. This policy applies to all contract plan sheets.

Unit, Phase, and Contract Number

The Unit Number on Contract Plan sheet(s) is the four digit cost center number of the Design Branch assigned to do the work. The Project Number is the District assigned Enterprise Financial Infrastructure System (EFIS) number ending with a 1, which identifies Phase 1 design stage of the Plans, Specifications, and Estimate (PS&E). The Contract Number is the six digit District Project Expenditure Authorization (EA) number ending with a 4. During the planning phase of projects, the Project EA number is listed as the five digit number preceding the number 4; the Project EA only becomes a contract when plans are delivered to construction.

The Project Number & Phase and Contract Number on all Structure Plan sheets must match the number on Roadway Plans and Special Provisions.

Figure 1.3.6 Unit, Phase, and Contract Number

Revision Date Blocks

A. The date in the first box is the date that the CADD file was created (e.g., 09-02-18). This date does not change throughout the life of the sheet

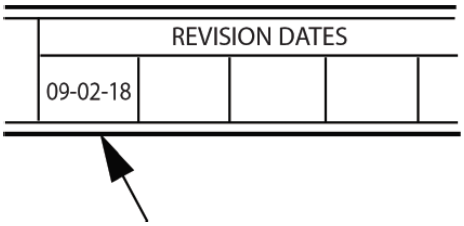


Figure 1.3.7 First Date Block

B. The next three revision dates follow in the next three boxes (e.g.,10-04-18, 10-06-18, 10-09-18), with the previous revision dates crossed out.

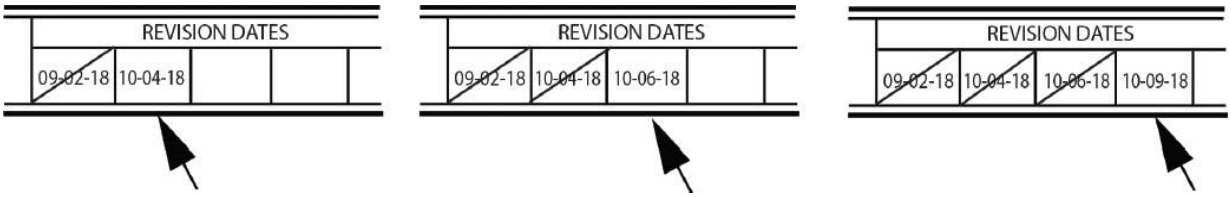


Figure 1.3.8 Revision Date Blocks

C. If there are more revisions, delete (blank out) the date in the second box. The next revision date (e.g., 10-11-18) will go in the third box. From this point on, alternate dates between the third and fourth boxes only, leaving the creation date in the first box crossed out and the second box empty.

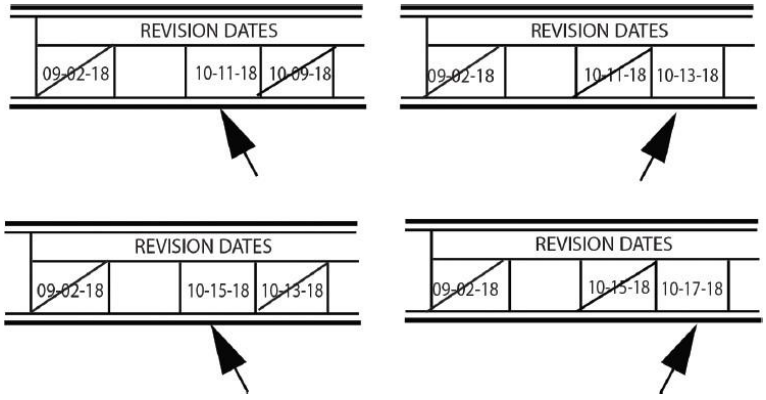


Figure 1.3.9 Additional Revision Date Blocks