2-2 Plans

The submittal of plans is required at various milestones through the project development process. The plans must conform to the preparation and submittal requirements that are outlined below. The number of plan sets required for a particular milestone is described elsewhere in this Guide.

Preparation of Structure Plans

The preparation of structure plans shall conform to the detailing and formatting standards contained in the Plans Preparation Manual and the Bridge Design Details manual. The plans shall be prepared using the most current standards—this includes the most current Caltrans formatted border sheets, Standard Detail Sheets (XS sheets), and Standard Plans.

The Caltrans formatted border sheets that must be used for structure plans are those that contain “Prepared for the State of California” in the lower title blocks. Examples of the following formatted sheets are attached (the examples may not be the most current versions):

Advance Planning Study
General Plan
Foundation Plan
General Detail
Log of Test Borings
Log of Test Borings Title Block (to be affixed to As-Built LOTB)

In addition to the requirements above, electronic plans shall conform to the CADD Users Manual of Instructions and the most current detailing guidelines, seed files, bridge detail cells, and cell libraries which are all available through the OSFP web site.

Paper Plan Deliverables

Paper plans shall be submitted in reduced size except at the final PS&E stage for locally advertised projects where a full size set of structure plans (bond quality as a minimum) is required for the OSFP Liaison Engineer to sign.

Reduced sized plans, as used in this Guide, is defined as a set of plans with plan detail sheets that measure 279mm x 432mm (11”x17”). Full sized plans is defined as a set of plans with detail sheets that measure 558mm x 864mm (22” x 34”).
Where there are multiple bridges on a project, paper plans for each bridge shall be bound separately. For example, if a milestone requires ten sets of plans for a project with 3 bridges, there will be 30 sets of bound bridge plans. Plans may be bound with staples.

Road plans, when required, shall be bound separately from the bridge plans.

Electronic Plans Deliverables

Electronic plan files shall be of the structure plan sheets that are submitted in paper. The disk must contain both Microstation (.dgn) files and plotting files which shall be .par (I-Plot) files.

The electronic files shall be submitted on a single compact disk (CD) per project. The disk shall be formatted for use in any Microsoft Windows based CD ROM drive. Before submitting, electronic plan files must be checked for viruses using the most current version of an anti-virus program.

Disks containing the electronic plans shall conform to the following:

- Disks must be submitted in jewel cases.
- Jewel and disks shall be labeled as shown in the attachment to this section.
- If there are multiple disks, each disk shall contain an electronic text file (.txt) that shows the bridges on the disk.
Sample Only
See OSFP Web Site for the most current sheet

Advance Planning Study Formatted Sheet
Sample Only

See OSFP Web Site for the most current sheet

Log Of Test Borings Formatted Sheet
As-Built Log Of Test Borings Title Block

Sample Only

See OSFP Web Site for the most current version

As-Built Log Of Test Borings Title Block
Structure Plans
Contract No. 04-230004
2nd PS&E Submittal 4/1/01
Project is State Advertised
Alameda County Transportation Authority

S680-E580 Connector Separation  Br. No. 33-0628F
N680-E580 Connector  Br. No. 33-0643G
S680-W580 Connector  Br. No. 33-0644F
Alamo Canal  Br. No. 33-0643K
Big Canyon Creek Bridge  Br. No. 33-06436
Route 680/580 Separation (Widen)  Br. No. 33-0371
Dublin Blvd UC (Widen)  Br. No. 33-0373
Amador Valley Blvd. UC (Widen)  Br. No. 33-0356

A B C Consultants, Inc.
1234 Main Street, Suite 500
Sacramento, CA  95816
(916) 999-8888  Fax (916) 999-8889
John Doe (916) 999-8881
Side And Back Of Jewel Case Cover
Compact Disc

Structure Plans
Contract No. 04-230004
2nd PS&E Submittal 4/1/01
Project is State Advertised
Alameda County Transportation Authority

ABC Consultants, Inc.
1234 Main Street, Suite 500
Sacramento, CA 95816
(916) 999-8888 Fax (916) 999-8889
John Doe (916) 999-8881

CD Label

(Information may be handprinted)