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CHAPTER 2 ~ Directory Structures

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Chapter 2 Directory Structures

Project Directory Structure

Project related files, including CADD drawing files, survey and mapping data, and engineering data files, will be contained within a specific project directory structure. Files also contained within this directory structure include, correspondence, project documentation, reports, etc. Following the directory structure as indicated in this chapter will allow for consistent handling of all project files, as well as allow for easier archiving at project completion. The first level project directory is shown below, the following pages outline each first level directory in much greater detail, including subdirectories, purpose of each directory, and types of files typically stored within each directory.

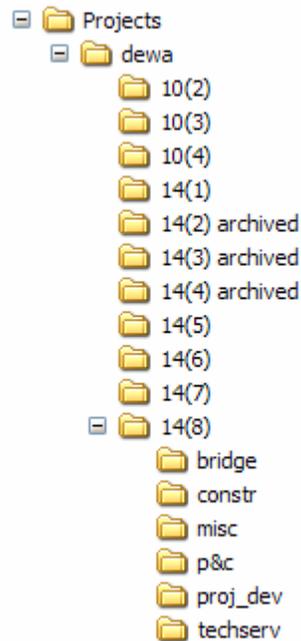


Figure 2-1: Project Directory

While not all directories will be needed for each project, the structure naming convention must be followed where applicable. The sub-directory addressed in this chapter is proj_dev.



The project directory structure has evolved over the last few years so the directory structure for older projects may not match what is shown here. The directory structure and file locations for older projects need not be changed. **The directory structure will be set up for the Project Manager at the beginning of the project.**

Proj_dev

The sub-directories of the proj_dev directory are detailed below.

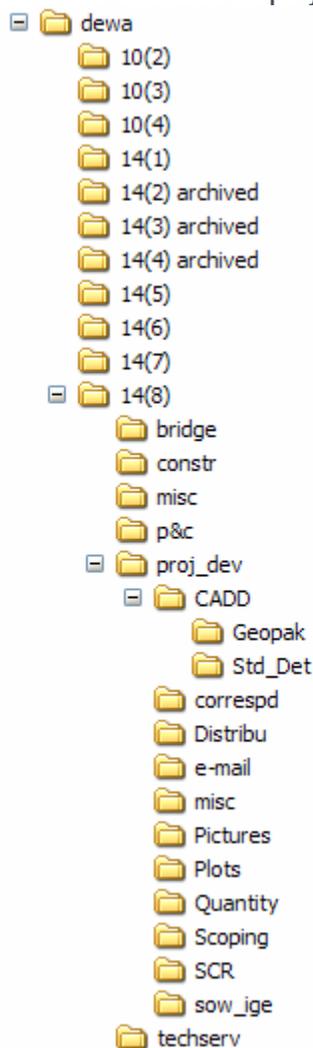


Figure 2-2: Proj_dev Directory

Each sub-directory contains specific files related to each project. The table below outlines the files to be contained within each sub-directory.



| | |
|----------|--|
| CADD | Overall files other than mapping. Including; Alignment file, utility and drainage, traffic control, signing and striping, erosion control, GEOPAK superelevation shapes and patterns, and overall cross-sections including ref-hub cross sections. |
| Geopak | Project GPK file, GEOPAK input, output files, and log files |
| Std_Det | Standards and Details |
| Correspd | Print files, used by contracts group |
| Distribu | Distribution Files |
| e-mail | Project e-mails |
| misc | All other documentation |
| Pictures | Project photos |
| Plots | Plot files. (.ini, .000, etc.) |
| ADOBE | Sub-folder to Plots. Contains all pdf format files |
| Quantity | Project quantity estimates |
| Scoping | Scoping report documentation |
| SCR | Special contract requirements |
| sow_ige | Statement of work |

Table 2-1: proj_dev Sub-directory Files

Bridge

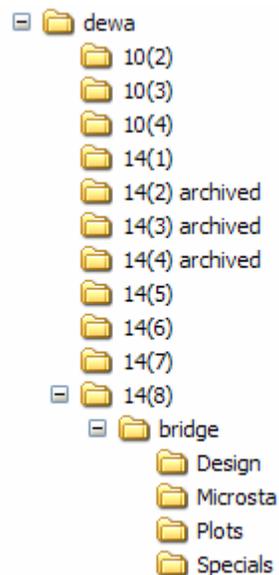


Figure 2-3: Bridge Directory



| | |
|----------|----------------------|
| Design | Design calculations |
| Microsta | MicroStation drawing |
| Plots | Plot files |
| Specials | Special Provisions |

Table 2-2: Bridge Sub-directory Files

CADD Support Directory Structure

The CADD support directories contain the standard CADD resource files detailed in the following chapters. These include set up, configuration, and resource files for MicroStation and GEOPAK such as MicroStation seed files and cell libraries, and GEOPAK database files and superelevation tables.

For EFLHD employees the individual CADD machines have been configured with **project configuration files (.pcf)** to automatically find and attach these files. See workflow 1 to make sure these .pcf files are in the correct directory. Use of fonts, line styles, etc., should be seamless.



For our consultants, the **X30 Generation of standard files download (CADD_Resource_V8.zip)** can be used to setup the standard CADD support directory structure. Project configuration files (**EFLHD_Eng_30.pcf and EFLHD_Eng_30.pcf**) are also provided in the download for the ease of setting up project configuration.

[Select to link to the EFLHD Website and to download files: X30 Generation of standard files downloads](#)



This link is not set up at this time.

The standard CADD resource files are set up and maintained by the CADD Coordinator. The resource files are "read-only", as are the directories they reside in, so users cannot make changes to these files or create additional alternate versions of them on the server. These resource files are the "official" versions that should be used throughout EFLHD. Any errors



discovered in these files should be reported to the CADD Coordinator so that they can be fixed.

The standard CADD resource files are located on the designers M: drive in subdirectories under the Standards directory and are accessed by all EFLHD users from here. The directories are shown below:

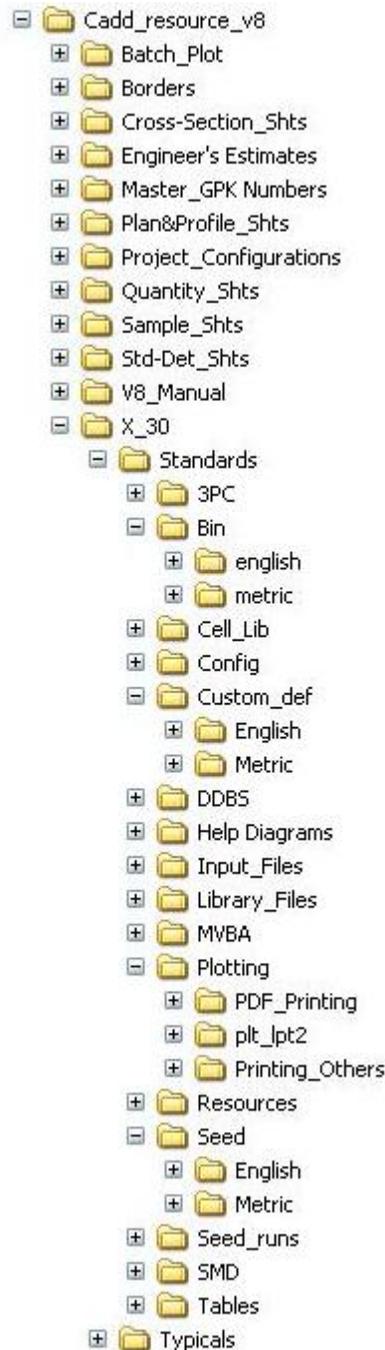


Figure 2-4: CADD Resource Files



| | |
|------------------------|--|
| Batch_Plot | Batch plot setup for EFLHD's Acrobat Plan sheets generator. |
| Borders | EFLHD standard borders – English and Metric in different models |
| Cross_Section_Shts | Cross section sheet layout libraries(*.xssl) and instruction |
| Engineers's_Estimate | Instruction to export into dgn tabulation sheet |
| Master_GPK_Number | Excel file for GPK number – Only for EFLHD's Project Manager |
| Plan&Profile_Shts | Plan and profile sheet layout libraries(*.psll) and instruction |
| Project_Configurations | Location of EFLHD pcf files (EFLHD_Eng_30.pcf and EFLHD_Met_30.pcf) |
| Quantity_Shts | Quantity dgn sheets, quantity Excel worksheet, and instruction – EFLHD's quantity and schedule sheets are attached with Excel file |
| Sample_Shts | Includes EFLHD's Title sheets, Symbol & abbreviation sheets. |
| Std_Det_Shts | Instruction to use FLH Standard sheets. |
| 3PC | Miscellaneous criteria files, including MicroStation Basic user interface macros. |
| Cell_Lib | Standard Cell Libraries (*.cel), FLH_Criteria.cel – Standard criteria cell library. |
| Config | FLHD pcf file (FHWA_English_30.pcf and FHWA_Metric_30.pcf)- not used by EFLHD |
| DDBS | US Customary and Metric D&C Manager database files (*.ddb) |
| Help Diagrams | |
| Input_Files | EFLHD's earthwork input files for X30 and ancillary data (*.inp) |
| Library_Files | Standard criteria level library and text style library (*.dgnlib) |
| MVBA | |
| Plotting | EFLHD standard plot drivers-Includes shades, color, black and white, and pdf plot drivers. |
| Resources | EFLHD's font and custom linestyle resource files (.rsc) |
| Seed | US Customary and Metric 2D and 3D seed files (*.dgn) |
| Seed_runs | |
| Tables | Standard color and superelevation tables for X30 |

Table 2-3: CADD Support Sub-directory Files