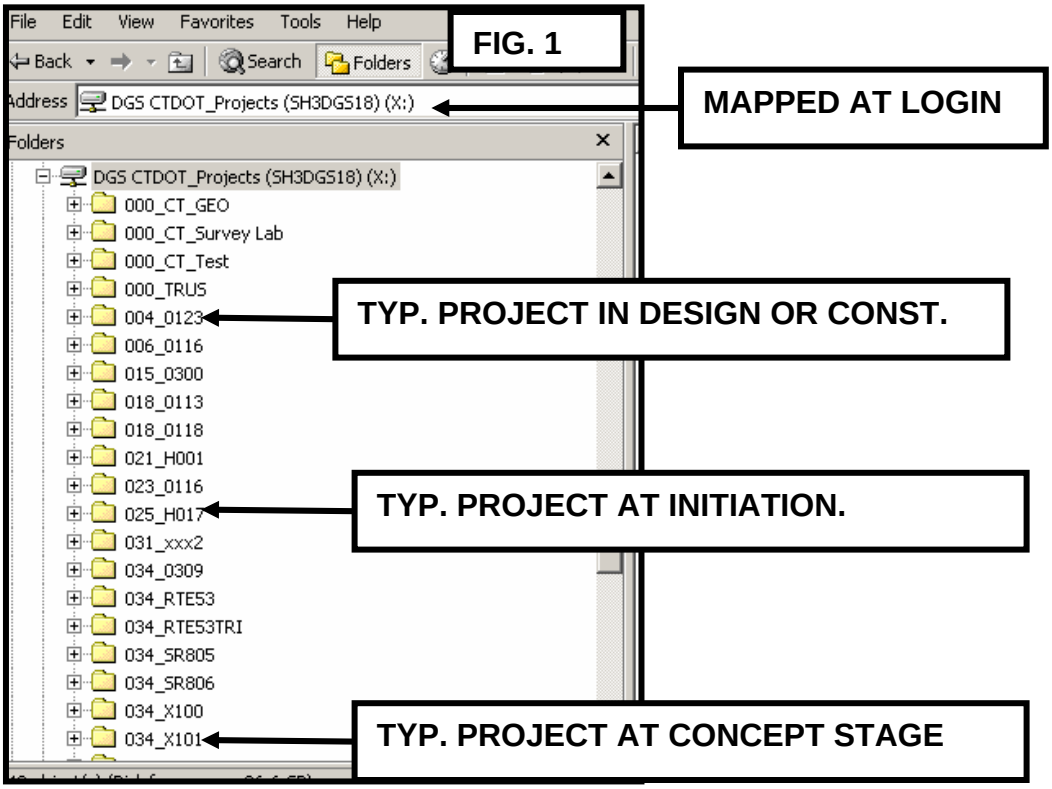
ENGINEERING APPLICATIONS

ConnDOT Projects Directory - Introduction

Engineering Applications has changed the way project information is being stored within the Office of Engineering and other areas within ConnDOT. With the implementation of Microstation V8 and newer versions of InRoads there became a need to organize ConnDOT Projects more efficiently and to standardize project electronic data storage across all disciplines within the Department. This initiative intends to improve the progression of projects from the concept/planning stage all the way through to Construction. Ultimately, it will also better prepare the Department to deliver project plans, specifications and estimates in an electronic/digital format.

Below (FIG. 1) is a windows screen-shot of the new projects directory. All new projects initiated by the Department should be stored on this server. To create a new project or need to change the name of an existing project number, DOT Personnel can contact John Rinaldi (ext. 3320) or Betty Bolden (ext. 3216). Consultant Engineers should follow the "Step-by-Step Instructions How to Configure Your Design Environment



For Consultant Engineering Activities" on Engineering Application's Web site.

FIG. 1 also depicts the typical naming conventions for the Projects Directories. Directories must be named with three numerical designations followed by an underscore then by 4 characters or numerical designations (i.e. 004_0123 - permanent project number/ 025_H017 - initiation number / 034_X101 - project in the concept stage)

By clicking on a project directory, you will see the multiple sub-directories (See Fig. 2), which are organized according to discipline.

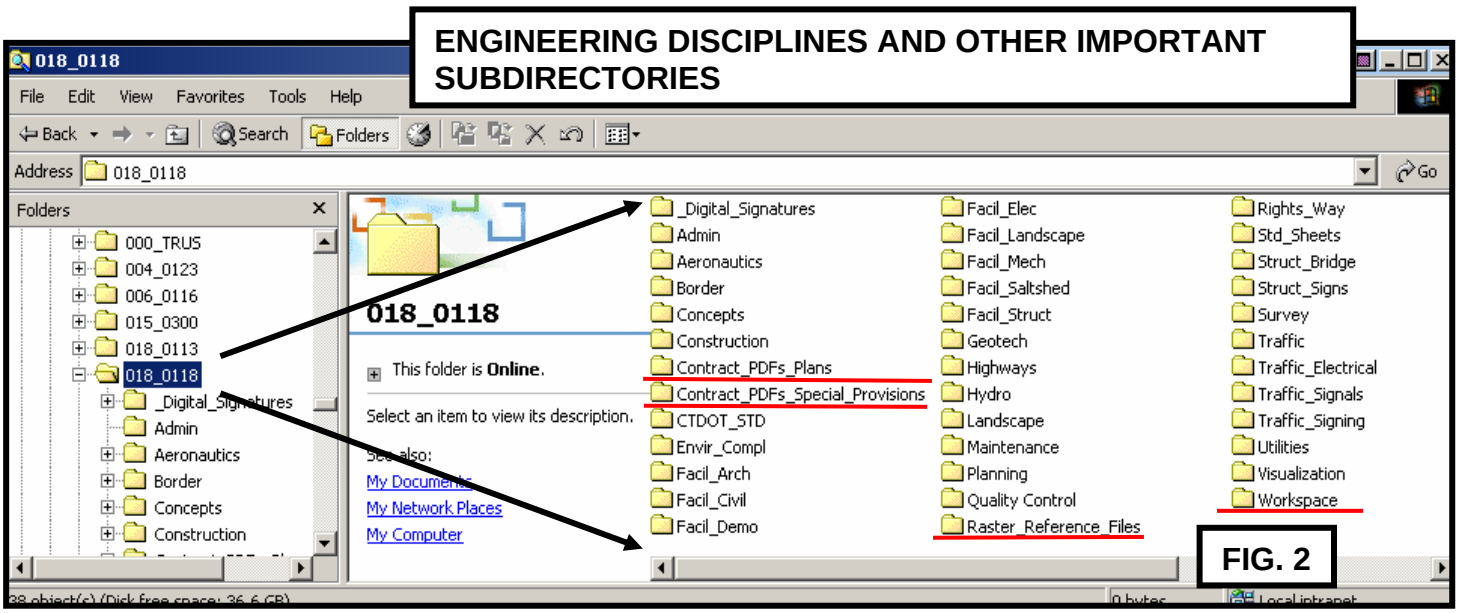


FIG. 2

It is important to recognize that within the project directory, there are four subdirectories (Contract_PDF_Plans, Contract_PDF_Special Provisions, Raster_Reference_Files and Workspace) that are important in the development of projects in the CAD / Design Environment. Contract_PDF_Plans, and Contract_PDF_Special Provisions is anticipated to be the central warehouse for consultant submittals of pdf design plans and specifications. Within these folders, there will also be additional subdirectories which are labeled according to the applicable design stage (Preliminary Design (30%), Semi-Final Design (60%), and Final Design (90%) etc.

In the future, a folder called Contract_PDF_ProposalEstimate will be added. Raster_Reference_Files is the location for project specific geo-referenced raster images. The Workspace subdirectory (See Fig. 3) within each project is the central location for project specific MicroStation / InRoads Resources that should not be altered without the consent of Engineering Applications.

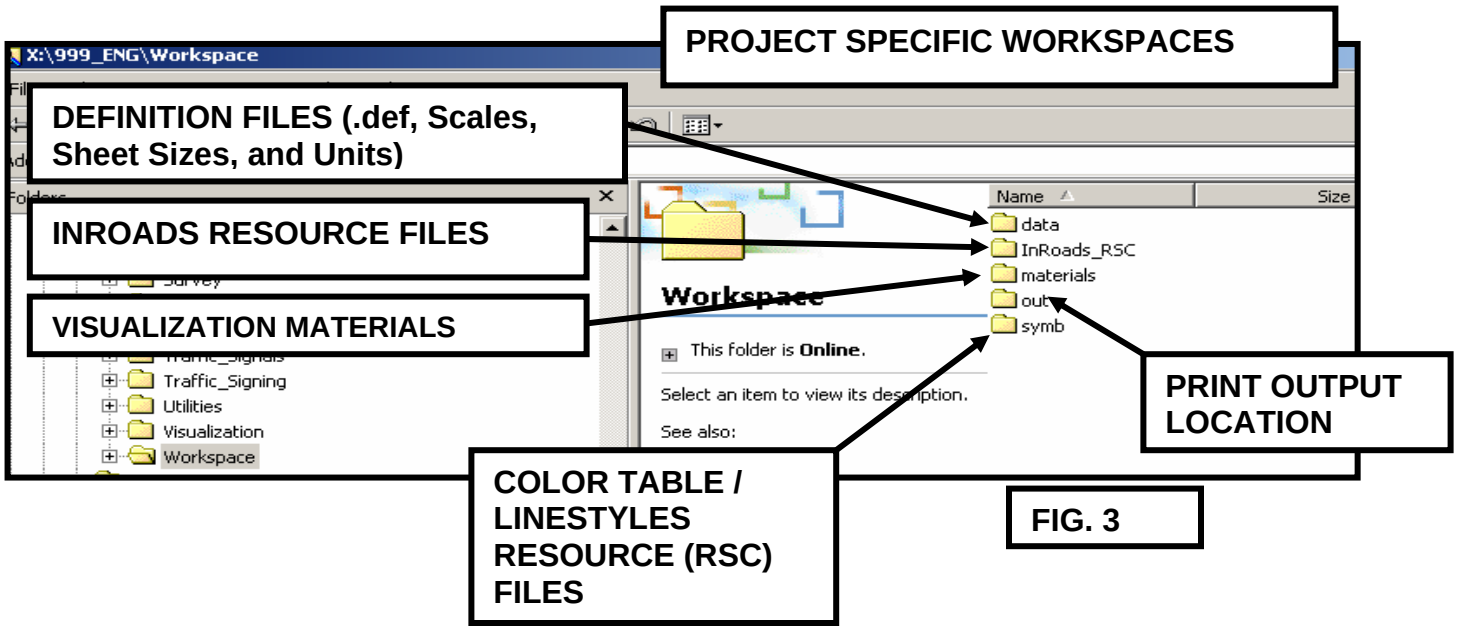


FIG. 3

Subdirectories to store project related information have been created under each project discipline folder. CAD Files must not be stored in these subdirectories with exception to the Highway Design, which has created a subdirectory structure that correctly accepts CAD files in other subdirectories. See Fig. 4 for an example of Highway Design's discipline subdirectory structure and Fig. 5 for a typical subdirectory structure for other disciplines.

All CAD files must have an approved naming convention. Design File Standard Naming Conventions can be found on the workflow named "Standard Design File Naming Conventions" (.pdf) located on the 2005 Digital Design Environment Web page.

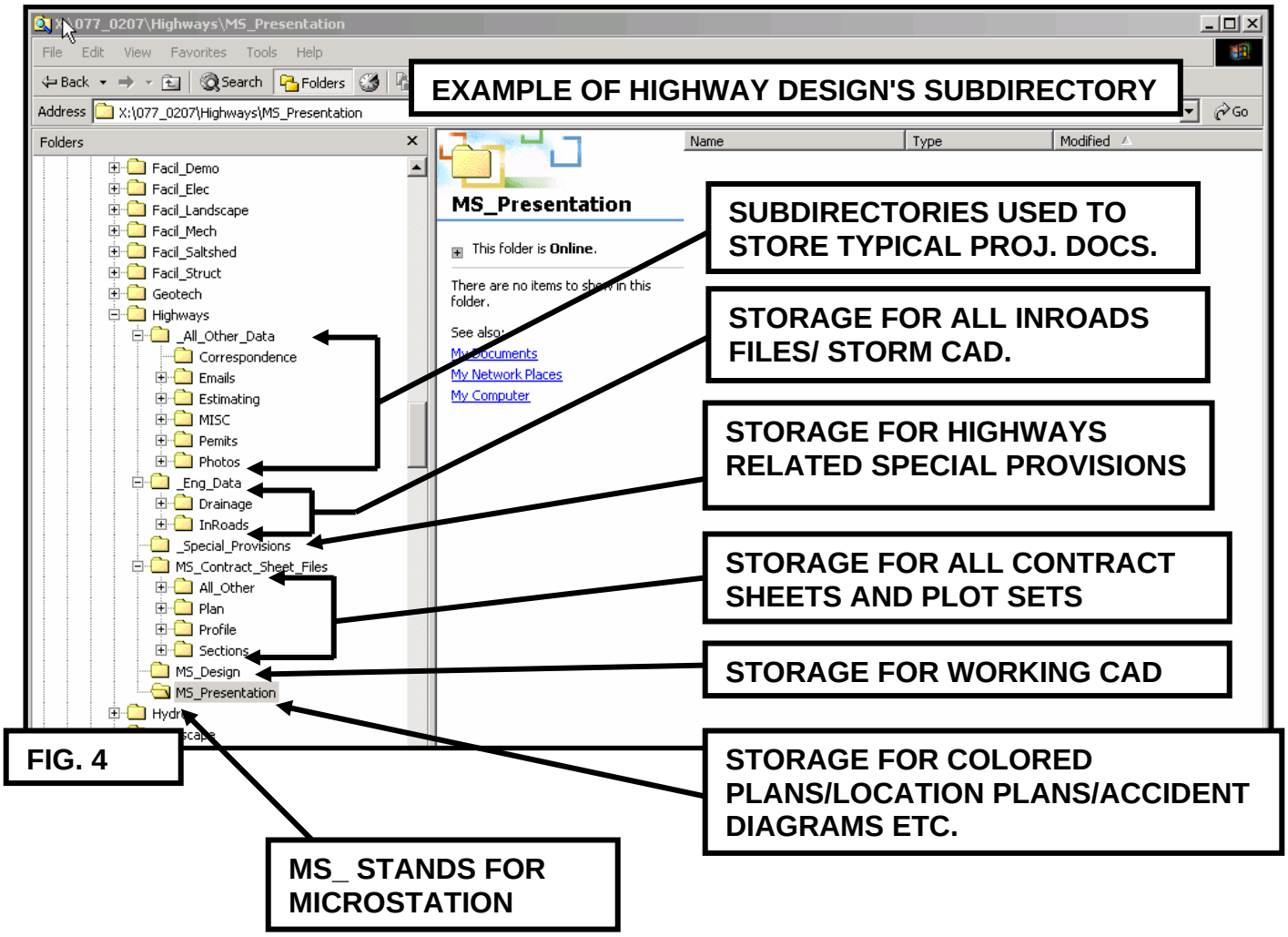
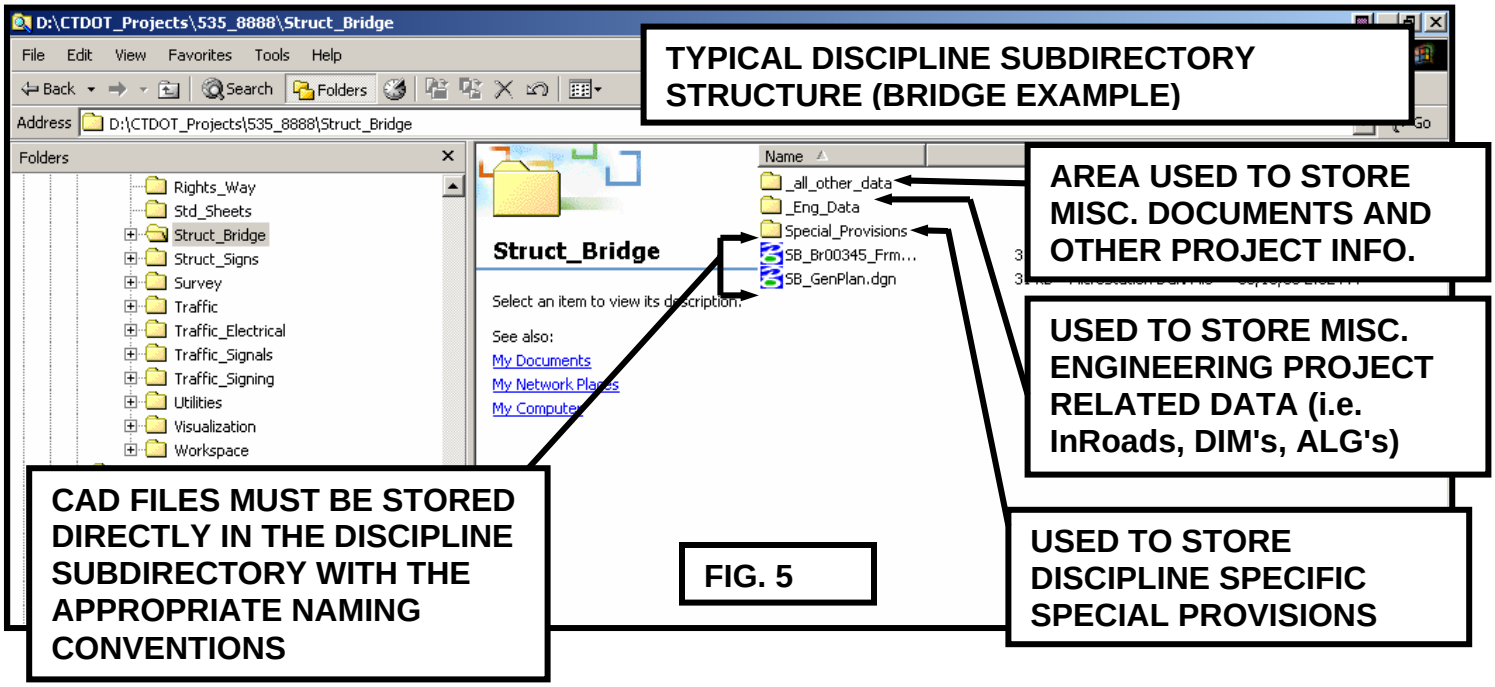


FIG. 4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Struct_Signs
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Traffic_Electrical
Traffic_Signals
Traffic_Signing
Utilities
Visualization
Workspace
Struct_Bridge
Select an item to view its description.
See also:
My Documents
My Network Places
My Computer
Name
_all_other_data
_Eng_Data
Special_Provisions
SB_Br00345_Frm...
SB_GenPlan.dgn
TYPICAL DISCIPLINE SUBDIRECTORY STRUCTURE (BRIDGE EXAMPLE)
AREA USED TO STORE MISC. DOCUMENTS AND OTHER PROJECT INFO.
USED TO STORE MISC. ENGINEERING PROJECT RELATED DATA (i.e. InRoads, DIM's, ALG's)
USED TO STORE DISCIPLINE SPECIFIC SPECIAL PROVISIONS
CAD FILES MUST BE STORED DIRECTLY IN THE DISCIPLINE SUBDIRECTORY WITH THE APPROPRIATE NAMING CONVENTIONS

FIG. 5