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D1.01 General

WSDOT has developed software resources to increase efficiency for drafting, design, construction and survey disciplines using Computer Aided Engineering (CAE) applications to design and deliver projects. These resources provide standard symbology, conventions, project development, and productivity tools that support the WSDOT Plans Preparation Manual and this manual. The resources are available to both internal and external clients.

D1.02 Applications

The WSDOT standard Computer Aided Drafting (CAD) platform is Bentley Systems MicroStation. The standard WSDOT survey and design analysis platform is Bentley Systems InRoads and appropriate specialized modules. WSDOT uses Bentley Systems ProjectWise for document management.

For internal WSDOT computers, the standard applications are Bentley Systems V8i (version 8.11.xx) platform, specifically MicroStation SS3 and Power InRoads SS2.

The WSDOT ProjectWise datasources are V8i SS4 (version 8.11.xx); fully compatible ProjectWise Explorer versions are acceptable.

D1.03 WSDOT Resources

The WSDOT CAE environment is provided via an electronic resource file set contained in a single root folder structure and organized into subdirectories for cell libraries, DGN libraries, InRoads resources, plotting resources, etc. The entire WSDOT CAE environment is available for both internal and external users.

D1.03(1) Internal WSDOT Clients

The WSDOT resources are included in the CAE application installation process for all WSDOT computers connected to the WSDOT wide area network. Updates are deployed statewide and a mechanism to manually check resources against the central server is available on each installed computer. For internal users, the WSDOT CAE resource files are located in the C:\Users\Public\CAE\Standards\WSDOT folder.

D1.03(2) External Clients

The entire WSDOT resource file set is available for download from WSDOT's CAE Consultant Resources web site by following the *WSDOT CAE Environment Resource Files* link at:

 <http://www.wsdot.wa.gov/design/cae>

These resources are updated in conjunction with the internal deployment schedule. The resource history link provides information about the specific updates for each resource set. External WSDOT CAE resource update notifications can be set up via the CAE web site.

Contact your local IT department for download and installation support.