

4 File Naming Conventions

Standard naming conventions make the data much more portable so that all users can easily recognize and use the files created by others. In addition the conventions described in this section also facilitate listing files in a logical order and provide information on the file contents at a glance.

Section 4 contains information on the file naming requirements for various files included in WSDOT electronic engineering data. These standards are mandatory components of designing a WSDOT project.

4.1 Survey File Naming Conventions

KEY:

- *Italics* indicate user-defined file name sections using the conventions described below.
- **Bold** indicates mandatory file name sections.
- Each file name section is separated by an underscore (_).

P1234 = Project charge number (*XL1234*, *C2005*) dropping the leading “X” or “O” for CAiCE design
YYMMDD = Date downloaded, as in *060118* (2006, January 18)
PCid = Party Chief’s last name and first initial (*HillC*) no spaces
Desc = Brief, 10-character or less descriptive word indicating main content of file
 For example:
 BridgeSite = bridge site data
 Topo = general topography
 Traverse = Control network traverse
 WetLands = wetland survey
S## = CAiCE survey segment name (*S01*)
Segmentlist = Listing of survey segments included (*S01_S03-S10_T12-T15*)

4.1.1 Data Collection Files

File Name	Type	Contents
-----------	------	----------

Allegro

<i>P1234_YYMMDD_PCid_desc.crd</i>	ASCII	SurvCE control point list file
<i>P1234_YYMMDD_PCid_desc.rw5</i>	ASCII	SurvCE survey data collector file
<i>P1234_YYMMDD_PCid_desc.dc</i>	ASCII	Trimble survey data collector file

Sokkia

<i>P1234S##.sdr</i>	ASCII	SDR-33 survey data collector file
<i>P1234_YYMMDD_PCid_desc.*</i>	ASCII	Generic ASCII text file compatible with InRoads import utilities where (*) indicates an appropriate file extension

4.1.2 Processed Field Survey Files

File Name	Type	Contents
-----------	------	----------

InRoads

<i>P1234_PCid_desc.fwd</i>	ASCII	InRoads survey fieldbook including edited survey observations
<i>P1234_PCid_TRAV.xml</i>	XML	InRoads traverse report file
<i>P1234_PCid_desc.dat</i>	ASCII	InRoads survey traverse adjustment file

<i>P1234_PCid_Control.alg</i>	ALG	InRoads survey geometry file for control points
<i>P1234_PCid_Survey.alg</i>	ALG	InRoads survey geometry file for surveyed features
<i>P1234_PCid_Survey.dgn</i>	DGN	MicroStation graphics file containing all surveyed features with all associated information written to the file
<i>P1234_PCid_Survey.dtm</i>	DTM	InRoads survey geometry file for surveyed features
<i>P1234_PCid_Survey.log</i>	ASCII	InRoads survey fieldbook audit trail file
P1234_Survey_WSDOT.fwf	ASCII	Project-specific InRoads survey feature table
P1234_Survey_Pref_WSDOT.fxp	ASCII	Project-specific InRoads survey preferences file

CAiCE

<i>P1234_Segmentlist.kcm</i>	KCM	CAiCE data file including survey information
<i>P1234.ftb</i>	FTB	Project-specific feature table used

4.1.3 Researched Survey/Cadastral Files

File Name	Type	Contents
-----------	------	----------

InRoads

<i>P1234_ROW_Existing.alg</i>	ALG	InRoads survey geometry file for existing ROW and property lines (not to be generated exclusively from field work)
<i>P1234_ROW_Design.alg</i>	ALG	InRoads proposed ROW geometry file
<i>P1234_ROW_Existing.dgn</i>	DGN	Existing survey ROW geometry in MicroStation format

CAiCE

<i>P1234_ROW.kcm</i>	KCM	CAiCE Right of Way geometry file
----------------------	-----	----------------------------------

MicroStation

<i>P1234_RW_MonMap.dgn</i>	DGN	Monumentation Map
<i>P1234_RW_ROS.dgn</i>	DGN	Record of Survey

4.1.4 Report Files

File Name	Type	Contents
-----------	------	----------

General

<i>P1234_SPC to PD.rpt</i>	ASCII	State Plane to Project Datum documentation file
<i>P1234_Survey_PCid_Doc.xls</i>	XLS	Excel format survey documentation spreadsheet file
<i>P1234_YYMMDD_PCid_desc.rpt</i>	ASCII	Miscellaneous survey job report file

InRoads

<i>P1234_YYMMDD_desc.coo</i>	ASCII	InRoads coordinate output of all survey points
<i>P1234_YYMMDD_desc.fig</i>	ASCII	InRoads figure listing of all survey figures
<i>P1234_YYMMDD_desc.rpg</i>	ASCII	InRoads record plan alignment
<i>P1234_YYMMDD_desc.sto</i>	ASCII	InRoads alignment stakeout data
<i>P1234_YYMMDD_desc.sta</i>	ASCII	InRoads baseline stationing output file

CAiCE

<i>P1234_S##_Traverse.txt</i>	ASCII	CAiCE Traverse notes using Segment Manuscript
-------------------------------	-------	---

4.2 Design File Naming Conventions

KEY:

- *Italics* indicate user-defined file name sections using conventions described below.
- **Bold** indicates mandatory file name sections.
- Each file name section is separated by an underscore (_).

<i>P1234</i>	= Project charge number (<i>L1234</i> , <i>C2005</i>) dropping the leading "X" or "O" for design
<i>ALname</i>	= Main controlling alignment associated with file (<i>L2005_I90.alg</i> includes all geometry associated with the I90 alignment)
<i>BRnum</i>	= Bridge number identifier as in <i>405-11E</i> indicating bridge 405/11E
<i>DRftr</i>	= Drainage feature identifier (Ex: <i>D4-3</i> Drainage sheet 4 note 3 or <i>LLRetPond1</i> First Retention Pond on LL Line)
<i>Layer</i>	= Layer name (<i>B2_Subg.dtm</i> is the subgrade DTM for the B2 alignment)
<i>Desc</i>	= Brief, 10 character or less descriptive word indicating main content of file For example: <i>B2_FinStage2</i> = B2 finished grade for stage 2 <i>(L2005_B2_FinStage2.dtm)</i> <i>Topo</i> = general topography <i>Traverse</i> = Control network traverse <i>WetLands</i> = wetland survey
<i>Surf</i>	= Name of surface referenced in report and/or table

4.2.1 Design Files

File Name	Type	Contents
-----------	------	----------

General

<i>P1234_Project Documentation.xls</i>	XLS	Project documentation file
--	-----	----------------------------

InRoads

<i>P1234_ALname.alg</i>	ALG	InRoads Highway design geometry file by alignment
<i>P1234_Existing.alg</i>	ALG	Alternate design file consisting of all existing geometry
<i>P1234_Design.alg</i>	ALG	Alternate design file consisting of all new geometry
<i>P1234_Design.tml</i>	TML	InRoads Highway design typical section library
<i>P1234_ALname.rwl</i>	RWL	InRoads Highway design roadway library
<i>P1234_desc.rwk</i>	ASCII	InRoads Highway design project file
<i>P1234_Exist.dtm</i>	DTM	InRoads DTM for original ground
<i>ALname_Fin.dtm</i>	DTM	InRoads DTM for finish grade by alignment
<i>ALname_Subg.dtm</i>	DTM	InRoads DTM for subgrade by alignment
<i>ALname_Strip.dtm</i>	DTM	InRoads DTM for stripping by alignment
<i>ALname_Layer.dtm</i>	DTM	InRoads DTM for roadway sublayers other than subgrade
<i>BRnum_Deck.dtm</i>	DTM	InRoads DTM for bridge decks where Bnum = bridge number
<i>DRftr_CulFL.dtm</i>	DTM	InRoads DTM for culverts where DRftr = drainage feature
<i>DRftr_Pond.dtm</i>	DTM	InRoads DTM for pond where DRftr = drainage feature
<i>P1234_Desc.dtm</i>	DTM	InRoads DTM for miscellaneous dtms other than those listed. Surface must be described in <i>P1234_Project_Doc.xxx</i> file
<i>P1234_civ_WSDOT.ini</i>	ASCII	Civil preference file for InRoads
<i>P1234_styles_WSDOT.ini</i>	ASCII	Wysiwyg preference file for InRoads
<i>P1234_ALname.xsc</i>	ASCII	InRoads Custom Cross Section set

CAiCE

<i>P1234_Alignment Geometry.kcm</i>	KCM	CAiCE data file of all geometry chains and design profiles
<i>ALname_Exist.ear</i>	EAR	CAiCE existing ground X-section
<i>ALname_Fin.ear</i>	EAR	CAiCE finished ground X-section
<i>ALname_Desc.ear</i>	EAR	CAiCE misc. X-section
<i>ALname_Fin.vrs</i>	EAR	CAiCE finished ground X-section design file
<i>ALname_Fin_EW.tbl</i>	ASCII	CAiCE earthwork classification Table for roadway excavation and embankment materials

<i>ALname_Fin_SURF.tbl</i>	ASCII	CAiCE earthwork classification Table for roadway materials
<i>ALname_Fin_WALL#_EW.tbl</i>	ASCII	CAiCE earthwork classification Table for retaining wall excavation and embankment materials
<i>ALname_Fin_WALL#.tbl</i>	ASCII	CAiCE earthwork classification Table for retaining wall materials
<i>ALname_Fin.erp</i>	ASCII	CAiCE endarea quantities report including all associated quantities
<i>ALname_Surf.doc</i>	DOC	CAiCE stakeout report where Surf = staking surface included
<i>P1234_Final.zip</i>	ZIP	CAiCE project archive of cleaned final project

4.3 Plan Preparation (CAD) File Naming Conventions

KEY:

- *Italics* indicate user-defined file name sections using conventions described below.
- **Bold** indicates mandatory file name sections.
- Each file name section is separated by an underscore (_).

FileName format: *P1234_FT_XXYY.dgn*

P1234 = Project charge number (*L1234, C2005*) dropping the leading “X” or “O” for design

FT = Two letter **FILE TYPE** code (see **FILE TYPE Codes** following File Listing)

XX = Two letter **PLAN TYPE** code (see **PLAN TYPE Codes** following File Listing)

YY = Two letter *secondary* **PLAN TYPE** code: this code is used when combining multiple plan types on one file type (see **PLAN TYPE Codes** following File Listing)

Desc = Brief, 10-character or less descriptive word indicating main content of file

For example:
AutoTurn = Turning radius analysis

4.3.1 File Type (FT) Codes

BP	Base Plan
DE	Detail Sheet
NT	Structure Notes
MC	Miscellaneous
PR	Profile
PS	Plan Sheet
QT	Quantity Tabs

4.3.2 Plan Type Codes

AL	Alignment	PV	Paving Plans
AP	Approval Plan	RC	Reclamation, Borrow, Pit, Quarry, Etc.
BG	Bridges	RD	Roadway
BU	Building Plans and Details	RM	Record of Monumentation
CN	Contours	RS	Roadway Sections
CT	Control for Survey	RV	Record of Survey
DR	Drainage	RW	Right of Way
DU	Detour Routes and Signing	SU	Staged Construction
EC	TESC	SG	Signals
EL	Electrical	SN	Signing
EM	Environmental Compliance	SP	Site Preparation
EU	Existing Utilities	SQ	Summary of Quantities
EX	Existing	SS	Signing Specifications
GS	Grading Sections	ST	Structures/Minor Structures
IC	Interchange Contour	TC	Traffic Control Plans
IL	Illumination	TS	Traffic Systems
IN	Index	UT	Utilities
IR	Irrigation	VM	Vicinity Map
LS	Landscape	WA	Walls
MK	Pavement Markings		

4.3.3 Example File Listing

File Name	Type	Contents
<i>P1234_BP_XX.dgn</i>	DGN	PS&E Base plan of features where XX = Plan Type
<i>P1234_BP_EX.dgn</i>	DGN	PS&E Base plan – Existing
<i>P1234_BP_RW.dgn</i>	DGN	R/W Base plan
<i>P1234_DE_XX.dgn</i>	DGN	PS&E Detail Sheet where XX = Plan Type
<i>P1234_DE_DRPV.dgn</i>	DGN	PS&E Detail Sheet – Drainage and Paving Details
<i>P1234_PR_XX.dgn</i>	DGN	PS&E Profile Sheet where XX = Plan Type
<i>P1234_PS_XX.dgn</i>	DGN	PS&E Plan Sheet where XX = Plan Type
<i>P1234_PS_XXYY.dgn</i>	DGN	PS&E Plan Sheet where XXYY = combination Plan Type
<i>P1234_PS_RW.dgn</i>	DGN	R/W Plan Sheet
<i>P1234_NT_DR.dgn</i>	DGN	PS&E Drainage Structure Notes
<i>P1234_MC_desc.dgn</i>	DGN	Miscellaneous CADD file with description
<i>P1234_PS_INVM.dgn</i>	DGN	PS&E Index Sheet and Vicinity Map
<i>P1234_QT_XX.xls</i> or <i>P1234_QT_XX.dgn</i>	XLS DGN	Summary of Quantities Sheets either in Excel spreadsheet or DGN format
<i>P1234_DGN-Model_Index.xls</i>	XLS	Index file of all DGN files including models used