PROJECT CONTENT MANAGEMENT SYSTEM (PCMS)
DOCUMENT NAMING STANDARDS

File Names in PCMS

Project Directory

MDT uses a naming structure for all electronic project files. The **PCMS file name** tells PCMS which Project directory and folder the file is associated with in the project file database store.

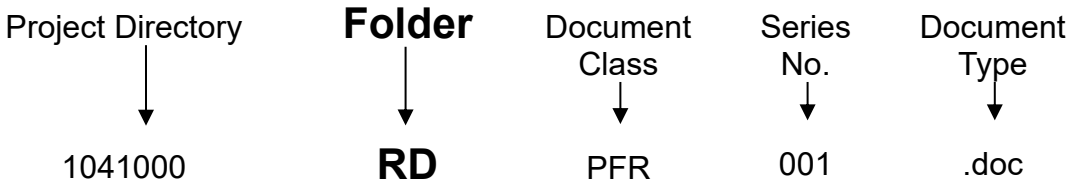
Project Directory	Folder	Document Class	Series No.	Document Type
1041000	RD	PFR	001	.doc

A **Project Number** is comprised of three things: **Project**, **Agreement** and **Unit**.

Project	**Agreement**	**Unit**	**Project ID**	**Description/Location**
1041	013	000	NH 62-2(13)21 F	NW of Sidney-N

A PCMS project directory is assigned as soon as PPMS recognizes a Project Number – note: when funding has been identified. Documents can be stored as soon as a PCMS Directory is available; however, this does not indicate authorization for work has been received.

Folder



The work area creates and maintains the document and manages them in the appropriate folder for the work area. The available folders are shown below.

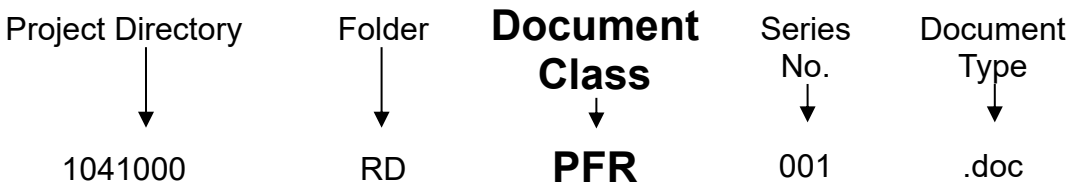
Sorted by Name

Alternative Contracting	AC
As-Builts	AB
Bridge	BR
Combined Survey	CS
Construction	CO
Consultant Design	CD
Contract Plans	CP
District Survey	DI
Eng Oversight	EO
Environmental	EN
Geotechnical	GT
Hydraulics	HY
Materials	MT
Matls Pav Ec	MA
MDT CIS Inclusive	CZ
PCMS Support	PS
Photogrammetry	PH
Planning	PL
Planning Project & Policy	PP
Research	RS
Right-Of-Way Design	RO
Right-Of-Way Utilities	UT
Road Design	RD
Safety Management	SF
Spec Stuff	SS
Surfacing Design	SD
Survey	SU
Traf Invest.	IN
Traffic Electrical	EL
Traffic Geometrics (Design)	GE
Traffic Operations	TO
Traffic Safety	SA
Traffic Signing	SI
Visualization	VI

Sorted by Abbreviation

AB	As-Builts
AC	Alternative Contracting
BR	Bridge
CD	Consultant Design
CO	Construction
CP	Contract Plans
CS	Combined Survey
CZ	MDT CIS Inclusive
DI	District Survey
EL	Traffic Electrical
EN	Environmental
EO	Eng Oversght
GE	Traffic Geometrics (Design)
GT	Geotechnical
HY	Hydraulics
IN	Traf Invest.
MA	Matls Pav Ec
MT	Materials
PH	Photogrammetry
PL	Planning
PP	Planning Project & Policy
PS	PCMS Support
RD	Road Design
RO	Right-Of-Way Design
RS	Research
SA	Traffic Safety
SD	Surfacing Design
SF	Safety Management
SI	Traffic Signing
SS	Spec Stuff
SU	Survey
TO	Traffic Operations
UT	Right-Of-Way Utilities
VI	Visualization

Document Class



Document Class codes are used to categorize documents. Document Class is a technique to broadly associate the document's purpose.

Numbers

101 Dtl. Dwg. - Definitions and Terms
203 Dtl. Dwg. - Excavation and Embankment
208 Dtl. Dwg. - Erosion Ctrl. and Stream Preservation
2DM Bridge 2-D Modeling (Various Software)
301 Dtl. Dwg. - Aggregate Surfacing
318 Environmental 318 Permit
401 Dtl. Dwg. - Cold Milling
404 Environmental 404 Permit
411 Dtl. Dwg. - Rumble Strips
4FB 4(f) Form for Bridges
4FD De Minimis 4(f) Documentation
4FE Full 4(f) Evaluations
4FH 4(f) Form for Historic Sites
4FR 4(f) Form for Recreational Areas
501 Dtl. Dwg. - Portland Cement Concrete Pavement
552 Dtl. Dwg. - Concrete Structures
603 Dtl. Dwg.- Culverts, Storm Drains, Sewers, etc.
604 Dtl. Dwg. - Manholes and Inlets
605 605-Dtl. Dwg. - Concrete Barrier Rail
606 Dtl. Dwg. - Guardrail and Median Barrier Rail
607 Dtl. Dwg. - Fences
608 Dtl. Dwg. - Concrete Sidewalks
609 Dtl. Dwg. - Curbs and Gutters
610 Dtl. Dwg. - Roadside Re-Vegetation
611 Dtl. Dwg. - Cattle Guards
613 Dtl. Dwg. - RipRap, Slope and Bank Protection
615 Dtl. Dwg. - Irrigation Facilities and Headwalls
617 Dtl. Dwg. - Traffic Signals and Lighting
618 Dtl. Dwg. - Traffic Control
619 Dtl. Dwg. - Signs, Delineators and Guideposts
620 Dtl. Dwg. - Pavement Marking Application
621 Dtl. Dwg. - Remove, Re-Set and Adjust Facilities
623 Dtl. Dwg. - Mailboxes
6FE LWCF 6(f) Documentation
900 Dtl. Dwg. - Miscellaneous

A

AAB Adopt-A-Bridge Program
ABS Control Abstract
ACP Access Control Plans
ADD Addendum
ADL Permits and Correspondence for Anaconda Deer Lodge County
AFR Aquatic Finding Report
AGR Alignment & Grade Review
AIR Air Quality
ALC Aquatic Lands Conservation Ordinance Permit-CSKT
ALL All Information Compiled Into One File
ALN Alignment Information
ALP Aquatic Lands Protection Ordinance Permit-Blackfeet
ANC Ancillary
AND Analysis Data
ANM Animal Data - Maintenance
ANR Animal Data - MT Highway Patrol

AOP Aquatic Organism Passage
ARC Building Architectural Plans
ARE Area
ASB Asbestos Inspection Report
ASU Additional Survey
ATH Authorization Documentation
AUD Audio
AWD Awarded Contract

B

BAA Bridge Adoption Correspondence or Agreement
BAR Biological Assessment
BAS R/W Baseline
BBD Bar Bend Detail
BHL Borehole Locations
BHM Borehole Materials
BIA Bureau of Indian Affairs
BLM Bureau of Land Management
BMB Beam Details (Bulb-T)
BNT Bent or Abutment
BOR Bureau of Reclamation
BPL Bridge Pile Loads
BRK R/W Break Coord
BRR Biological Resources
BSB Permits and Correspondence for Butte Silver Bow County

C

CAD Cadastral
CAG County Agreement
CAM Camber Diagram
CDR Geotech Consultant Design Report
CDS Geotech Consultant Design Supplemental
CEC Group C Categorical Exclusion
CED Group D Categorical Exclusion
CEL Project Related Cell Library
CEM Categorical Exclusion MEPA
CGP Contour Grading Plan
CHC Channel Change
CHK Check File
CHO Change Order Information
CIN Consultant Invoices
CLM Claim
CLV Culverts
CMA Contour Map
COE Cover Letter
COL Collision Diagram
CON Control Survey
COR Core Logs
COS Certificate of Surveys
CPR Consultant Plans Review
CPS Contract Plans Submittal - Signing
CPT Compaction Report
CRD Comment Response Document
CRE Construction Report
CRI Criteria File
CRR Corridors File
CRT Certification Memo
CSL Culvert Service Life
CSP Correspondence
CSU Contractor Submittal
CTA Contract Time Adjustment
CTC Contract Time Calculation
CUL Cultural Resources

D

DCP Dynamic Cone Penetrometer Results
DEQ Department of Environmental Quality
DER Design Exception Report
DET Detail Sheets
DEX Detail Exhibit Sheet
DGR Deck Grid
DIA Diaphragm Details
DNR Department of Natural Resources
DPR Design Parameter Report
DSD Drilled Shaft Details
DSI Detailed Site Investigation
DSN Design Spreadsheet
DST Autodesk Sheet Set
DTM Digital Terrain
DTP Digital Terrain/Planimetric
DTS Detail Sheets - Safety Signing

E

EAS Environmental Assessment
EAV End Area Volume

ECF Existing Culvert File
EEX Enlarged Exhibit Sheet
EFF Existing Feature File
EIS Environmental Impact Statement
EJD Expansion Joint Detail
ELD Experimental Layout Design
ELE Building Electrical Plans
EMR Environmental Monitoring Report
ENV Notice of Violation
EPA Environmental Protection Agency
EPL Erection Plans
EQU Equation File
ERO Erosion Control Plans
ERT Erosion Control Title Sheet
ESE Engineering Study Evaluation
EST Project Cost Estimate
ETR Existing 3D Terrain Model
EVA Evaluations
EWK Earthwork
EXH Exhibit Sheet
EXP Existing Plans

F

FHW Federal Highway Administration
FIN Final Report
FNL Final Plans
FON Finding of No Signification Impact
FPA Floodplain Permit Application
FPG Detailed Drawings Frame Page
FPL Footing Plan
FPP Flood Plain Permit
FPR Final Plans Review
FSC Final Surfacing Design Check
FSS Final Surfacing Sections
FWP Montana Fish, Wildlife & Parks
FWS United States Fish & Wildlife Service
FXP Fencing Plans
FXS Final Cross Sections
FXT Fencing Title Sheet

G

GBL Geotechnical Boring Log
GDM Geotechnical Design Memo
GDS Geotechnical Design Supplemental
GEN General Layout
GIR Girder Details
GLS Geotechnical Lab Summary
GPA GeoPak Survey Archive File
GVL Gravel Pit

H

HDS Hydraulic Data Summary
HGY Hydrology Calculation or Modeling
HHM Highway Historical Markers
HLC Hydraulic Legal Claim
HPO State Historical Preservation Office
HRB Historic Roads and Bridges
HSU Hydraulic Survey
HY8 HY-8 File

I

IMA IMA Hardcoded
INV Signing Inventory
IRR Irrigation Design
ISA Initial Site Assessment
IWG Interagency Wetland Group

J

JNT Joint Details
JOB Geopak Coordinate Geometry

K

KCA Caice Archive File

L

LAY Cross Section Layout
LCA Life Cycle Analysis
LED PCE Applicability (level of Enviro documentation)
LHS Location Hydraulic Study Report
LNC Legacy - Not Classified
LNG Longitudinal Sections
LOC Project Location Maps
LOD LANDOWNER DATABASE
LPM LPile Lateral Load Analysis Input File
LSD Landscaping Detail Sheet
LSP Landscaping Plan Sheet

LVL Level of Environmental Document Form

M

MAN Manual
MAP Map File
MAS Mass Diagram
MBA Migratory Birds
MDE Miscellaneous Details
MDL Geopak 3d Modeling
MEC Building Mechanical Plans
MEM MDT Memo
MFC Individual Map Feature Coding
MGP Geopak Manual
MOD Modeling Files
MOS Mosaic Image File
MPD Environmental MPDES Permit
MS4 Municipal Separate Storm Sewer System (MS4) Documentation
MWD Miscellaneous Work Documents
MXG Mammal Crossing

N

NCF Non-conventional File
NDT Non-Destructive Testing Results
NEZ Northing, Easting, Elevation
NOI Notice of Intent
NOS Noise Study
NPS National Park Service
NRC Natural Resources and Conservation Service
NWR News Release

O

OHW Ordinary High Water Mark Survey
OPH Orthophoto
OWN Ownership Sheet

P

PBC Reinforced Precast Box Culvert
PBF Photo Bridging File
PCF Project Calculation File
PCR Post Construction Review
PDI Project of (FHWA) Division Interest
PEO Preliminary Engineering Ownership Report
PFC Individual Map Feature File with Patterned Lines
PFL Project File List
PFR Preliminary Field Review
PFT Photogrammetry Flight Planning and Targeting
PHA Phase Construction
PIA Photo Image Archive
PIF Photo Image
PIH Plan-In-Hand
PIM Public Information Meeting
PIR Project Review
PLM Building Plumbing Plans
PLN Plan Sheets
PLP Plan & Profile Sheets
PLR Plan Review
PLS Plan Sheets - Safety Signing
PLT Plotting File
PMQ Pavement Marking Quantities
PND Detention/Retention Pond Modeling
POA Plan of Action
PRD Pier Detail
PRE Preliminary Plans
PRJ Project Information
PRO Profile
PSE Plans, Specifications & Estimate
PSI Preliminary Site Investigation
PSS Preliminary Surfacing Section
PTB Petro Board
PTE Permission to Enter Requests
PTF Project Transmittal Form
PTR Proposed 3D Terrain Model
PTS Points
PUB Public Comments & Discussions
PVP Pavement Preservation Plans
PXS Preliminary Cross Sections

Q

QMG Excel Project Quantities File
QSH Quantity Sheet

R

RAG Right of Way Agreement

RAS HEC-RAS File
RAX Reptile/Amphibian Crossing
RCC Radio Coordinate Conversion File
RDE Rail Detail
REC Design Recommendation
REG Regulatory
REH Rehabilitation Projects
REQ Information Request
REV Plan Revision Documentation
RME Read-me File
RMP Redline Map
ROE Right of Entry
RPL Redline Plan
RPT General Reports
RRL Riprap Layout
RRV Rail Revisions
RSK Risk Management Plan
RTD Route Description
RVT Autodesk Revit Project
RWA Retaining Wall

S

SCH Project Schematic
SCP Scoping Meeting Minutes
SCR Scour
SDC Sign Design Calculation Sheets
SDD Storm Drain Design
SDP Storm Drain Profile
SDT Special Mapping: Digital Terrain
SED Seeding
SEI Seismic
SFR Safety Review
SHD Shoe Details
SIA System Impact Actions
SLD Slab Details
SMP Special Mapping: Digital Terrain/Planimetric
SOW Scope of Work
SPA Environmental SPA Permit
SPC Special Provisions
SPD Splice Details
SPL Special Mapping: Planimetric
SPN Utilities SUE Plan Sheets
SPP Utilities SUE Plan & Profile Sheets
SQL SQLite Spatial Data File
SRF Surfacing
SSC Standard Specifications Check
SSD Sanitary Sewer Detail Sheet
SSL Soil Survey Log
SSP Sanitary Sewer Plan & Profile Sheet
SSU Signing Survey
STD Standard Detail
STE Site Model created by Geopak Site
STK Stakeout Report
STL Utilities SUE Title Sheet
STR Building Structural Plans
STS Siphon Transition Structure
SUE Utilities SUE Survey
SUM Summary Sheets
SUP Super Shape
SVA SurVis/MDT Viewer Archive File
SWM Storm Water Management
SXG Small Mammal Crossing

T

TCM Traffic Concur Memorandum
TIN Triangulated Irregular Network
TMP Transportation Management Plan Worksheet
TNM Transportation Noise Model
TOC Table of Contents
TOP Topography File
TOS Topsoil
TPO Segment Field Topog Survey
TRB Tribal Comments and Discussions
TRN Training Document
TRS Traffic Study Report
TRV Traverse
TSU Interim Field Survey File
TTL Title Sheet
TYP Typical Sections

U

UCR Utility Conflict Report
UMA Utility Mapping File
USF United States Forest Service
USG United States Geological Survey

V

VAP Value Analysis Program
VCE Trimble Business Center: Drawing Database
VEP Value Engineering Proposal
VIS Visualization

W

WBF Wetlands Buffer File
WCD Wetland Conceptual Design
WCE Wetland Conservation Easement
WED Wetland Design
WFR Wetland Finding Report
WIM Weigh In Motion Plans
WLD Wetland Detail
WMR Wetland Monitoring
WOP Work Plan
WPA Wetland Purchase
WQC Water Quality Certification (Tribe, EPA, etc.)
WQR Water Quality Request Letter (Tribe, EPA, etc.)
WSD Water Detail Sheet
WSP Water Plan & Profile Sheet
WSU Wetland Survey
WTR Water Right Documentation
WWD Wingwall Details

X

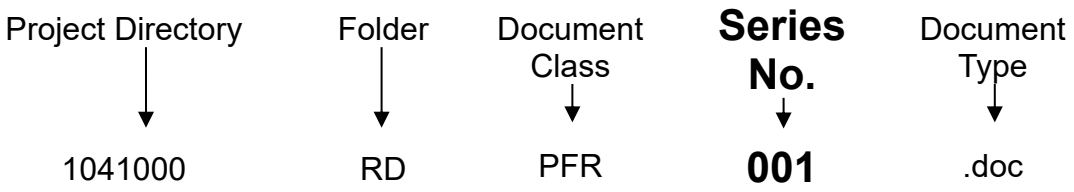
XIN CADD Feature Definitions
XSF Cross Sections
XSI Cross Section Input

Y

Z

ZIP Winzip

Document Class



Each work area decides what 3-digit alpha-numeric combination to use for their series numbers.

001 – 999

A01 – Z99

AA1 – ZZ9

AAA – ZZZ

Examples:

Consultant documents use an X, Y & Z in series numbering.

X01 – X99	Y01 – Y99	Z01 – Z99
XX1 – XX9	YY1 – YY9	ZZ1 – ZZ9
XXX	YYY	ZZZ

Environmental assigns incremental series numbers for every project, workgroup, and class.

Class FXS	Series 001, 002, 003, etc.
Class OMT	Series 001, 002, 003, etc.

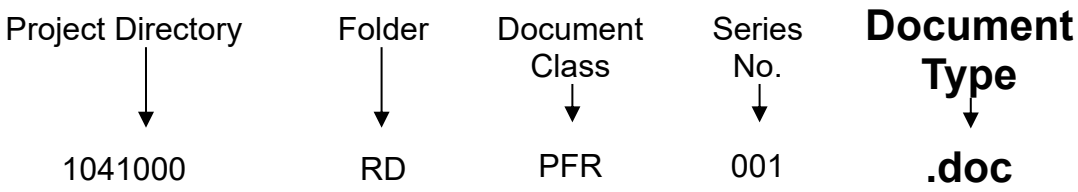
Photogrammetry includes consultant identification in its series numbering:

ZM1 – ZM9
ZF1 – ZF9

Z = Consultant Mapping
M=Consultant Metric Mapping
F = Feet Mapping

Road Design assigns incremental series numbers for every project and workgroup. If one uses a duplicate name for a document, an error message appears at attempted upload in the PCMS application.

Document Type



The Document Type is:

- based on the software needed to use the document
- the default extension the software automatically gives a document

The table on the next page uses the following headings:

Application Co. & Product	The Company and Software
Extension	Required, default extension for naming files.
Description	File type information
Design	Yes = MicroStation Design File No = Not a MicroStation Design File
DOS	DOS File Format
Format	Binary = Two-Part Code Format ASCII = Standard Text Format
Naming Convention	**Project** = Users must follow *Project-Related Document Naming Standards* **None** = Does not have to follow Document Naming Standards because the software generates the name (typically older DOS software generating a 6.2 or 5.1 character name – survey software)
Active	Yes – File Type currently used by PCMS No – Inactive file type; PCMS will not accept any new document. However, legacy files may exist.

Document types listed alphabetically by Extension:

Application Company & Product	Extension	Description	Design	DOS	Format	Naming Convention	Active
	Numbers						
Lotus: Lotus 1-2-3	123	Worksheet	No	No	Binary	Project	Yes
	A						
Trimble: GPSurvey	A1	Processing File	No	Yes	Binary	None	Yes
Bentley Systems: MicroStation	AFD	Ancillary Feature Definition	No	No	ASCII	Project	Yes
Intergraph: IMA	ATT	Database File	No	No	Binary	None	Yes
Generic: Movie File	AVI	AVI Movie File	No	No	Binary	Project	Yes
	B						
Bentley Systems: MicroStation	BAK	Backup Design File	Yes	No	Binary	Project	Yes
Generic: Text Editor	BAT	MS-DOS Batch File	No	No	ASCII	Project	Yes
Generic: Image	BMP	Bitmap Image	No	No	Binary	Project	Yes
Generic: Text Editor	BOT	Lat/Long & N/E Coordinate File	No	No	ASCII	None	Yes
	C						
MDT: Engineering Applications	CBT	Concrete Batch Table File	No	No	ASCII	Project	Yes
Bentley Systems: MicroStation	CEL	Cell Library	No	No	Binary	Project	Yes
Simplicity: Survey 4.0	CGA	Keystroke Log File	No	No	Binary	None	No
Bentley Systems: Descartes	COT	Intergraph Image	No	No	Binary	Project	Yes
MDT: DocuPlot	CPB	Batch Plot File	No	No	Binary	Project	Yes
Map Vision: SurVis	CRD	Processing File	No	No	Binary	None	No
Microsoft: Excel	CSV	Comma Delimited File	No	No	ASCII	Project	Yes
	D						
AASHTO: RDS	DAT	TEX Format Cross Section Output File	No	No	ASCII	None	Yes
Bentley Systems: MicroStation	DAT	Macro Input/Output File	No	No	ASCII	Project	Yes
FHWA: Transportation Noise Modeling	DAT	Transportation Noise Model File	No	No	Binary	Project	Yes
Geopak: Geopak	DAT	Output File	No	No	ASCII	Project	Yes
Simplicity: Survey 4.0	DAT	Processing File	No	No	Binary	None	No
Star Plus: Star*Net	DAT	Standard Survey File	No	No	ASCII	None	Yes
Intergraph: IMA	DBS	Database File	No	No	Binary	None	Yes
Intergraph: IMA	DDL	Database File	No	No	Binary	None	Yes
Generic: Text Editor	DES	Point Description File	No	No	ASCII	None	Yes
Pd' Programming: Intersection Magic	DGM	Graphics File	No	No	Binary	Project	Yes

Application Company & Product	Extension	Description	Design	DOS	Format	Naming Convention	Active
Bentley Systems: MicroStation	DGN	Design File	Yes	No	Binary	Project	Yes
Microsoft: Word	DOC	Document	No	No	Binary	Project	Yes
Microsoft: Word	DOCM	Document	No	No	Binary	Project	Yes
Microsoft: Word	DOCX	Document	No	No	Binary	Project	Yes
Simplicity: Sight Survey	DRG	Graphics File	No	No	Binary	None	No
Bentley Systems: Geopak	DTM	Digital Terrain Model	No	No	Binary	Project	Yes
Autodesk: AutoCAD	DWG	Drawing Database	Yes	No	Binary	Project	Yes
Autodesk: AutoCAD	DXF	Drawing Exchange File	Yes	No	ASCII	Project	Yes
Bentley Systems: MicroStation	DXF	AutoCadd Design File	No	No	Binary	Project	Yes
	E						
Bentley Systems: OpenRoads	EAV	End Area Volume	No	No	ASCII	Project	Yes
Bentley Systems: MicroStation	EMF	Location Map File	No	No	Binary	Project	Yes
Intergraph: IMA	ENT	Database File	No	No	Binary	None	Yes
MDT: Engineering Applications	EQU	Equation File	No	No	ASCII	Project	Yes
Info Tech: Estimator	EST	Estimate file	No	No	Binary	Project	Yes
MDT: Engineering Applications	EWK	Earthwork File	No	No	ASCII	Project	Yes
MDT: Engineering Applications	EXC	Culvert Excavation File	No	No	ASCII	Project	Yes
	F						
OpenVMS: Backup	FDL	File Definition Language	No	Yes	ASCII	None	Yes
Generic: Text Editor	FET	English Coordinate File	No	No	ASCII	Project	Yes
Map Vision: SurVis	FIG	Figure File	No	No	Binary	None	No
Bentley Systems: MicroStation	FIX	Axiom Repaired design file	Yes	No	Binary	Project	Yes
University of Alaska: Environmental Analysis	FXG	Fish Crossing	No	No	ASCII	Project	Yes
	G						
Geopak: Geopak	GEO	Output File	No	No	ASCII	Project	Yes
Generic: Image	GIF	GIF Image	No	No	Binary	Project	Yes
Geopak: Geopak	GPK	Cogo File	No	No	Binary	None	Yes
Geopak: Geopak	GSF	Geopak Site Modeler Project File	No	No	Binary	Project	Yes
Geopak: Geopak	GTD	Core Hole Input File	No	No	Binary	Project	Yes
Geopak: Geopak	GWS	Water Sewer Cogo	No	No	Binary	Project	Yes
	H						

Application Company & Product	Extension	Description	Design	DOS	Format	Naming Convention	Active
MDT: Engineering Applications	HCD	Horizontal Curve & Deflection File	No	No	ASCII	Project	Yes
MDT: Engineering Applications	HDR	Header File	No	No	ASCII	Project	Yes
Bentley Systems: Descartes	HMR	Preferred Image	No	No	Binary	Project	Yes
Microsoft: Internet Explorer	HTM	Web Page	No	No	Binary	Project	Yes
Microsoft: Internet Explorer	HTML	Web Page	No	No	Binary	Project	Yes
Federal Highways: HY-8 Files	HY8	HY-8 Files	No	Yes	ASCII	None	Yes
	I						
FHWA: Transportation Noise Modeling	IDX	Transportation Noise Model File	No	No	Binary	Project	Yes
Generic: Text Editor	IFT	International Foot Coordinate File	No	No	ASCII	Project	Yes
Geopak: Geopak	INP	Input File	No	No	ASCII	Project	Yes
Geopak: Geopak	IOC	Cogo Input File	No	No	ASCII	None	Yes
MDT: Data Viewer	IPO	Input File	No	No	ASCII	Project	No
Geopak: Geopak	IRD	Roadway Designer Input	No	No	Binary	Project	Yes
Geopak: Geopak	ITL	Geopak Roadway Designer Template Library	No	No	Binary	Project	Yes
	J						
Generic: Image	JIF	Compressed Image File	No	No	Binary	Project	Yes
Bentley Systems: MicroStation	JOB	Batch Plotting	No	No	ASCII	Project	Yes
Simplicity: Survey 4.0	JOB	Information File	No	No	ASCII	None	No
Generic: Image	JPG	Compressed Image File	No	No	Binary	Project	Yes
Image File	JXL	Compresses Image File	No	No	Binary	Project	Yes
	K						
Generic: GIS Annotation And Visualization Markup	KML	Keyhole Markup Language File	No	No	ASCII	Project	Yes
Generic: GIS Annotation And Visualization Markup	KMZ	Keyhole Markup Language Zip File	No	No	Binary	Project	Yes
	L						
Generic: Light Detection and Ranging (LiDAR)	LAS	LiDAR Data File	No	No	Binary	Project	Yes

Application Company & Product	Extension	Description	Design	DOS	Format	Naming Convention	Active
AASHTO: RDS	LIS	Alignment Output File	No	No	ASCII	None	Yes
Generic: Text Editor	LLH	Lat/Long Coordinate File	No	No	ASCII	None	Yes
Generic: Text Editor	LOG	Log File	No	No	ASCII	Project	Yes
MDT: Log Pearson Analysis Program	LP3	Log Pearson Analysis Program	No	Yes	ASCII	None	Yes
Ensoft: LPile Model	LP8D	LPile Input File	No	No	Binary	Project	Yes
Ensoft: LPile Model	LP9D	LPile Input File	No	No	Binary	Project	Yes
Ensoft: LPile Model	LPD	LPile Input File	No	No	Binary	Project	Yes
Intergraph: IMA	LST	Database File	No	No	Binary	None	Yes
Star Plus: Star*Net	LST	Input/Output File	No	No	ASCII	None	Yes
	M						
Discreet: 3-D Studio	MAX	Animation / Wire Frame File	No	No	Binary	Project	Yes
MathSoft: Mathcad	MCD	Calculation File	No	No	Binary	Project	Yes
Generic: Text Editor	MET	Metric Coordinate File	No	No	ASCII	Project	Yes
Generic: Movie File	MOD	MOD Movie File - Digital Video	No	No	Binary	Project	Yes
Generic: Movie File	MOV	MOV Movie File	No	No	Binary	Project	Yes
Generic: Movie File	MPG	MPG Movie File	No	No	Binary	Project	Yes
Microsoft: Outlook	MSG	Message Format	No	No	Binary	Project	Yes
	N						
Generic: Text Editor	NEZ	Northing Easting Coordinate File	No	No	ASCII	Project	Yes
	O						
Generic: Text Editor	OBS	GPS Observation Schedule	No	No	ASCII	None	Yes
Geopak: Geopak	OOC	Cogo Output File	No	No	ASCII	None	Yes
Map Vision: SurVis	ORG	Original Unedited Raw Data	No	No	ASCII	None	No
Bentley Systems: MicroStation	OUT	Macro Input/Output File	No	No	ASCII	Project	No
NGS Web Site: NGS	OUT	Data Sheets	No	No	ASCII	Project	Yes
US Army Corps of Engineers: Corpscon for Windows	OUT	Output File	No	No	ASCII	Project	Yes
	P						
Intergraph: IMA	PAR	Database File	No	No	Binary	None	Yes
Map Vision: SurVis	PAR	Parameter File	No	No	Binary	None	No
Adobe Systems: Acrobat	PDF	Portable Document Format	No	No	Binary	Project	Yes
MDT: Engineering Applications	PIP	Culvert Excavation Calculation File	No	No	ASCII	Project	Yes
Generic: Image	PNG	Portable Network Graphics	No	No	Binary	Project	Yes

Application Company & Product	Extension	Description	Design	DOS	Format	Naming Convention	Active
Generic: Image	POD	Bentley Converted LiDar	No	No	Binary	Project	Yes
Star Plus: Star*Net	POS	Latitude/Longitude	No	Yes	ASCII	None	Yes
Microsoft: PowerPoint	PPT	Presentation	No	No	Binary	Project	Yes
Microsoft: PowerPoint	PPTM	Presentation	No	No	Binary	Project	Yes
Microsoft: PowerPoint	PPTX	Presentation	No	No	Binary	Project	Yes
Bentley Systems: Descartes	PRJ	Project File	No	No	Binary	Project	Yes
Intergraph: IMA	PRJ	Database File	No	No	Binary	None	Yes
Star Plus: Star*Net	PRJ	Standard Survey File	No	Yes	ASCII	None	Yes
US Army Corps of Engineers: Water Surface Analysis	PRJ	HEC-RAS File	No	No	ASCII	Project	Yes
Microsoft: Excel	PRN	Space Delimited File	No	No	ASCII	Project	Yes
Adobe Systems: Adobe Premier	PRPROJ	Project File	No	No	Binary	None	Yes
Adobe Systems: Photoshop	PSD	Adobe Image File	No	No	Binary	Project	Yes
Bentley Systems: MicroStation	PSET	Print Organizer File	No	No	Binary	Project	Yes
Microsoft: Outlook	PST	Messages Saved as a personal file or archived	No	No	Binary	Project	Yes
Generic: Text Editor	PTS	Survey Points List File	No	No	ASCII	Project	Yes
Star Plus: Star*Net	PTS	Coordinate List	No	No	ASCII	None	Yes
	R						
Map Vision: SurVis	RAW	Raw Data File	No	No	ASCII	None	No
Star Plus: Star*Net	RAW	Zeiss Raw Level Data	No	No	ASCII	None	Yes
AutoDesk RCP Point	RCP	AutoDesk RCP Point Cloud	No	No	Binary	None	Yes
AutoDesk RCS Point	RCS	AutoDesk RCS Point Cloud	No	No	Binary	None	No
Geopak: Geopak	RD5	GeoPak Coordinate TDS Format	No	No	ASCII	None	Yes
Geopak: Geopak	RDB	Rebar Database	No	No	Binary	Project	Yes
Geopak: Geopak	RDP	Roadway Designer Preferences	No	No	Binary	Project	Yes
Bentley Systems: MicroStation	REF	Standard Reference File	Yes	No	Binary	None	Yes
Bentley Systems: Descartes	RGR	Registry File	No	No	ASCII	Project	Yes
Design File	ROW	Microstation Design File	Yes	No	Binary	Project	No
Generic: Text Editor	RPT	Report File	No	No	ASCII	None	Yes

Application Company & Product	Extension	Description	Design	DOS	Format	Naming Convention	Active
Ride Profiler	RSD	Surface Systems SSI Profiler	No	No	ASCII	Project	Yes
Generic: Rich Text Editor	RTF	Rich Text Format	No	No	Binary	None	Yes
Autodesk: AutoCAD	RVT	Autodesk Revit Project	No	No	Binary	Project	Yes
	S						
Intergraph: IMA	SAB	Alignment Numbers File	No	No	ASCII	None	Yes
OpenVMS: Backup	SAV	Save Set	No	Yes	Binary	None	Yes
MDT: Draining Analysis	SDD	Storm Drain Design	No	No	ASCII	Project	Yes
LizardTech: MrSID-Multiresolution Seamless Image	SDW	MrSid World File	No	No	ASCII	Project	Yes
MDT: Engineering Applications	SED	Seeding & Fertilization Area File	No	No	ASCII	Project	Yes
Generic: Text Editor	SFT	US Survey Foot Coordinate File	No	No	ASCII	Project	Yes
LizardTech: MrSID-Multiresolution Seamless Image	SID	MrSid Image	No	No	Binary	Project	Yes
MDT: Engineering Applications	SKH	Stockpile Volume History File	No	No	ASCII	Project	Yes
MDT: Engineering Applications	SKV	Stockpile Volume File	No	No	ASCII	Project	Yes
MDT: Engineering Applications	SKX	Stockpile Volume Cross Section File	No	No	ASCII	Project	Yes
Generic: Text Editor	SOE	SOE Cross Section File	No	No	ASCII	Project	Yes
Generic: Text Editor	SPC	Combinate Scale Factor & Convergence Coordinates	No	No	ASCII	None	Yes
Star Plus: Star*Net	SPL	Standard Survey File	No	Yes	Binary	None	Yes
Generic: Image	SQLITE	SQLite Spatial Data File	No	No	Binary	Project	Yes
MDT: Engineering Applications	SSE	Surface Smoothness File	No	No	ASCII	Project	Yes
MDT: Standard Step	SST	Standard Step	No	Yes	ASCII	None	Yes
Intergraph: IMA	STEREO	Bridging File	No	No	ASCII	None	Yes
Intergraph: IMA	SYM	Database File	No	No	Binary	None	Yes
	T						
Generic: Image	TGA	True Vision Image	No	No	Binary	Project	Yes
Generic: Image	TIF	Tagged Image Format	No	No	Binary	Project	Yes
Geopak: Geopak	TIN	Triangulated Irregular Network File	No	No	Binary	Project	Yes

Application Company & Product	Extension	Description	Design	DOS	Format	Naming Convention	Active
MDT: Engineering Applications	TTR	Typical Transition Report File	No	No	ASCII	Project	Yes
MDT: Engineering Applications	TTS	Typical Transition Setup Data File	No	No	ASCII	Project	Yes
MDT: Engineering Applications	TTT	Typical Transition Data File	No	No	ASCII	Project	Yes
Generic: Text Editor	TXT	Text File	No	No	ASCII	None	Yes
Geopak: Geopak	TXT	Input/Output File	No	No	ASCII	Project	Yes
	V						
Trimble: Business Center	VCE	Drawing Database	No	No	Binary	Project	Yes
	W						
Generic: Audio Sound File	WAV	Audio File	No	No	Binary	Project	Yes
Intergraph: IMA	WIN	Database File	No	No	Binary	None	Yes
Corel: WordPerfect	WPD	Document	No	No	Binary	Project	Yes
Windows: Write	WRI	Text File	No	No	ASCII	Project	Yes
12 Tone Systems: Cake Walk	WRK	Audio Mixing	No	No	Binary	Project	Yes
	X						
Geopak: Geopak	X	Criteria File	No	No	ASCII	None	Yes
Bentley Systems: MicroStation	XIN	CADD Feature Definitions	No	No	ASCII	Project	Yes
Bentley Systems: MicroStation	XLP	MicroStation XS Feature Labeling Preference File	No	No	ASCII	Project	Yes
Microsoft: Excel	XLS	Workbook	No	No	Binary	Project	Yes
Microsoft: Excel	XLSM	Workbook	No	No	Binary	Project	Yes
Microsoft: Excel	XLSX	Workbook	No	No	Binary	Project	Yes
Bentley Systems: Geopak	XML	XML File	No	No	Binary	Project	Yes
MDT: Engineering Applications	XSC	Standard Cross Section File	No	No	ASCII	Project	Yes
MDT: Engineering Applications	XSE	EDM Cross Section File	No	No	ASCII	Project	Yes
Generic: Text Editor	XYZ	XYZ Coordinates	No	No	ASCII	Project	Yes
	Z						
Simplicity: Sight Survey	ZAK	Standard Survey File	No	No	Binary	None	No
Niko Mak Computing: WinZip	ZIP	Zip File	No	No	Binary	Project	Yes