

SHA File Naming

File Naming Convention

All CAD files must follow SHA's standard file naming convention:

gDD-AAZZ_PRJID.dgn

Where:

g = File Group
DD = File Discipline
AA = File Type/Alternate/Phase
ZZ = Sequence Number/Corridor Number
PRJID = Project ID

The naming convention not only helps other users determine the contents and purpose of your file, it also tells the workspace which feature menu to load and which levels to display. Use the File Naming Wizard to easily create file names that conform to the standard and always use the proper seed file.

File Naming Wizard

Activate the File Naming Wizard in one of several ways:

- Main Menu > MDSHA > File Naming Wizard
- Main Menu > File > New...
- Keyin: vba run [FileNamingWizard]FileWizard

File Naming Wizard

File List:

File Count: 1 Starting Sequence #: 00

Filter: <NONE>

Group:

Discipline:

File Type:

Project ID:

☐ Select by Description: *Hover mouse over labels for info

Description:

Destination Directory: C:\ProgramData\Bentley\MicroStation V8i (SELECT ...

Seed File

☐ Override Default Seed File:

Model:

Project Border

Model:

Upon Creation

☒ Close Form ☒ Open First File ☐ Delete Current File

Close Accept

General Instructions

1. Working from top to bottom, select items from each picklist to flesh out the file name(s) shown in the **File List** box. (Alternatively, check the box to **Select by Description**). Note that **Red Text** indicates an incomplete or invalid entry.
2. Check that the **Destination Directory** is correct.
3. If creating a sheet file, check that the **Project Border** file is correct. (Note that the tool will remember your selection in connection with the selected Project ID).
4. Click **Accept** to create.

Primary Settings

- **File List:** This read-only field will update as the other fields in the Build File Name tab are filled out. If a file name is found to be a duplicate, the file name will highlight in yellow to alert the user. The File Naming Wizard will **NOT** allow the user to overwrite an existing file.

The screenshot shows a 'File List' box containing three entries: 'pES-P001_BA456.dgn' (highlighted in yellow), 'pES-P002_BA456.dgn', and 'pES-P003_BA456.dgn'. Below the list, the 'File Count' is set to 3 and the 'Starting Sequence #' is set to 01.

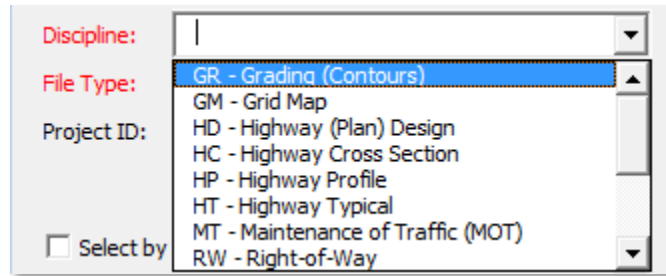
- **File Count:** Allows the user to specify how many new files are to be created.
- **Starting Sequence #:** Allows the user to specify the sequence number of a single new file, or the starting sequence number of multiple files (if File Count > 1). Model (m) files have a default sequence value of 00, while Print Sheet (p) files have a default value of 01.
- **Filter:** Allows the user to filter by drawing discipline so that only the file options for that discipline are displayed. This works when defining the file name manually, or when defining the file name by description. (The value can be preset via config variable, MDOT_FILEWIZ_FILTER.)

The screenshot shows a series of picklists: 'Filter' (set to <NONE>), 'Group' (set to <NONE>), 'Discipline' (with options: Drainage, Environmental, Facilities, Geotechnical, Mapping, Planning, Plats), 'File Type' (with options: p - Print File, s - Support, x - Miscellaneous), and 'Project ID'.

Group: Allows the user to assign one of the standard five file purposes to the new file(s).

The screenshot shows a series of picklists: 'Group' (set to |), 'Discipline' (with options: d - Detail (Reference) File, m - Model (Reference) File), 'File Type' (with options: p - Print File, s - Support, x - Miscellaneous), and 'Project ID'.

- **Discipline:** Allows the user to specify the type of file being created. Choice of Discipline is dependent on the active **Filter** and **Group** settings.



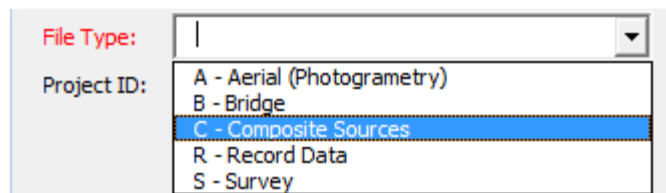
Discipline: |

File Type: GR - Grading (Contours)

Project ID: GM - Grid Map
HD - Highway (Plan) Design
HC - Highway Cross Section
HP - Highway Profile
HT - Highway Typical
MT - Maintenance of Traffic (MOT)
RW - Right-of-Way

☐ Select by

- **File Type:** Allows the user to select a specific file type dependent upon the previously selected **Group** and **Discipline**.

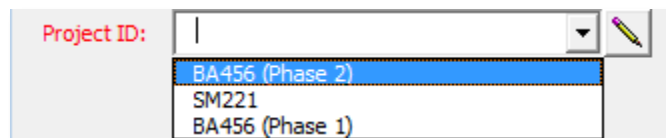


File Type: |

Project ID: A - Aerial (Photogrametry)
B - Bridge
C - Composite Sources
R - Record Data
S - Survey

Once the File Type has been selected, the associated **Description** field will automatically be set along with the default **Seed File** for the chosen file type.


- **Project ID:** Allows the user to specify a project-specific identifier (FMIS number, TIMS number, Bridge number, Plat number, etc.). **Note that OHD-lead projects are now adopting FMIS number in favor of route number.**



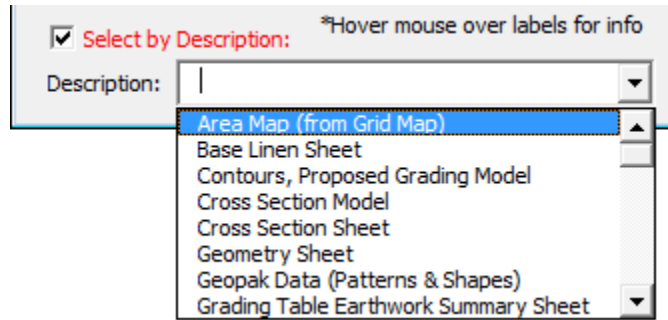
Project ID: |

BA456 (Phase 2)
SM221
BA456 (Phase 1)

Previously used values are stored in a text file whose path is defined by config variable, MDOT_FILEWIZ_PROJECTLIST. The default value can be preset using config variable, MDOT_FILEWIZ_PROJECTID.

- **Manage Project IDs:** Next to the Project ID field, this button  allows the user to edit the saved project settings via the [Manage Project IDs form](#). (Note: button may be disabled if user lacks edit capability on the Project History file.)

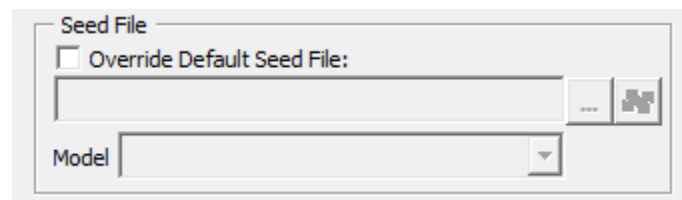
- **Select by Description:** Allows the user to name the file by selecting a description of the file instead of individually selecting the components of the file name.



- The choice of Descriptions is dictated by the active **Filter** setting.
 - When using this method, a **Project ID** must still be supplied.
- **Destination Directory:** Allows the user to specify the location in which the new file(s) will be created. A separate browse button is provided for both Windows and ProjectWise.



- **Seed File:** Specifies the seed file that will be used to create the new file(s). In most cases, the user should simply use the default seed file, which is automatically assigned depending upon the chosen File/Description.

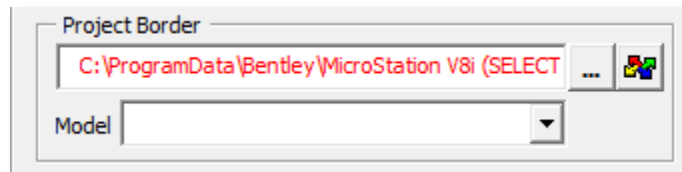


However, the user is also given the option to **Override Default Seed File**. This option is primarily used in the following multiple-sheet-creation workflow:

1. Create the first sheet file using the default seed.
2. Open the new sheet and attach all required reference files.
3. Restart the wizard and create the remaining sheets using the first sheet as the seed file. All resultant sheets will have the required reference files already attached.

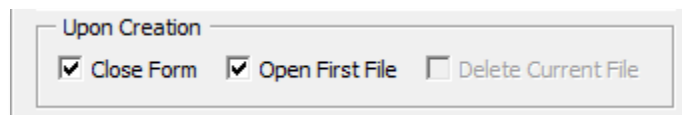
Model: Indicates the model to be activated when the new file is first opened. (Note that new files will still contain all models that are in the original seed.)

- **Project Border:** Some Print Sheet (p) file types are configured to use a seed file containing a border file attachment. Use this field to specify the actual project border file.




Model: Indicates the border model to be used for the attachment.

- The specified file and model will be automatically attached upon file creation.
 - The border file path will be stored with the active Project ID, so that it will be automatically selected the next time the Project ID is used again.
- **Upon Creation:** Allows users to specify additional actions to take once the file is created.



- **Close Form:** Turned **ON** by default. Turn this **OFF** if you wish to continue creating more files.
 - **Open First File:** Turned **ON** by default. Turn this **OFF** if you wish to remain in the same file.
 - **Delete Current File:** Turned **OFF** by default and disabled. This setting is used for a very specific workflow in which a “sacrificial” file is used as a placeholder in the directory of a new project. This file is not intended to be used for drafting, but rather as a launch pad for the File Naming Wizard.

When the user opens this file, the File Naming Wizard automatically appears. Once the new file is created, the sacrificial file will be automatically deleted.

-  **[Help]:** Click to open the Help file.
- **Close:** Click to dismiss the File Naming Wizard without creating a new file.
- **Accept:** Click to create the new file(s).

Supplemental Settings

- **Alternate:** In some cases, the File Type has an option for “A* - Alternate”. When selected, a supplemental field appears, allowing the user to type a custom identifier.

The screenshot shows the 'File Naming Wizard - Supplemental Settings' dialog box. The 'File List' field contains 'mHD-A100_BA456.dgn'. The 'File Count' is set to 1, and the 'Starting Sequence #' is 00. The 'Filter' is '<NONE>'. The 'Group' is 'm - Model (Reference) File'. The 'Discipline' is 'D - Highway (Plan) Design'. The 'File Type' is 'A* - Alternate', and the 'Value' field is set to 1. The 'Project ID' is 'BA456 (Phase 1)'. Red arrows point to the 'File List' field, the 'Discipline' dropdown, and the 'Value' field.

Valid values must be alphanumeric, ranging from [1-9] and [A-Z]. The leading “A” is now a fixed character in the first position after the hyphen.

- **Phase:** In some cases, the File Type has an option for “P* - Phase”. When selected, a supplemental field appears, allowing the user to type a custom identifier.

The screenshot shows the 'File Naming Wizard - Supplemental Settings' dialog box. The 'File List' field contains 'mHD-P300_BA456.dgn'. The 'File Count' is set to 1, and the 'Starting Sequence #' is 00. The 'Filter' is '<NONE>'. The 'Group' is 'm - Model (Reference) File'. The 'Discipline' is 'D - Highway (Plan) Design'. The 'File Type' is 'P* - Phase', and the 'Value' field is set to 3. The 'Project ID' is 'BA456 (Phase 1)'. Red arrows point to the 'File List' field, the 'Discipline' dropdown, and the 'Value' field.


Valid values must be alphanumeric, ranging from [1-9] and [A-Z].

- **Corridor:** For some file types, users are given an additional field representing the specific design “corridor” (terminology used by InRoads and Open Roads)

The screenshot shows the File Naming Wizard form with the following fields and values:

- File List:** sTM-A102_BA456-RampNE.dgn
- File Count:** 1
- Corridor #:** 02
- Filter:** <NONE>
- Group:** s - Support
- Discipline:** TM - Terrain Model
- File Type:** A* - Alternate
- Value:** 1
- Project ID:** BA456 (Phase 2)
- Corridor:** 2 - RampNE

Red and yellow arrows highlight the Corridor #, Filter, and Project ID fields, indicating their role in the file naming process.

- The numeric value associated with the Corridor takes the place of the 2-digit Sequence Number. (Note that the Sequence Number field is disabled).
 - The text value is appended to the file name after the Project ID value.
 - If a corridor designator does not apply, select “N/A”. Sequence number will be 00.
 - Creation of multiple files is disabled.
- **Manage Corridors:** Next to the Corridor field, this button  allows the user to edit the corridor list associated with the selected Project ID via the [Manage Corridors Form](#). (Note: button may be disabled if user lacks edit capability on the Project History file.)

Manage Project IDs Form


Use this form to edit the Project ID values and associated border files that are stored in the Project History file.

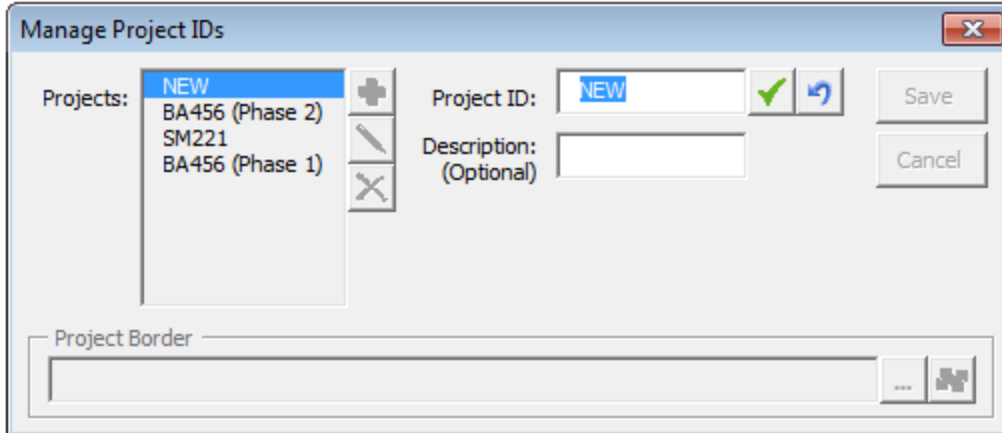
The screenshot shows the Manage Project IDs form with the following fields and values:


- Projects:** BA456 (Phase 2), SM221, BA456 (Phase 1)
- Project ID:** BA456
- Description: (Optional):** Phase 2
- Project Border:** C:\CADD\Projects\US40\Phase 2\dgn\xBL-0002_US40.dgn



The form includes buttons for Save, Cancel, and a Project Border selection button.

- **Projects:** This box lists all Project IDs that have previously been used to create files. IDs are listed in order of most recent use. Select an item to see all the active properties.

- **Project ID:** This field contains the text that will be appended to the end of the file name. Spaces are not allowed, nor are other characters typically prohibited from file names.
- **Description:** This optional field may be used to differentiate projects. Although the value is shown in parenthesis on the picklist, it's value will not be added to the file name. Since Project IDs may only reference a single border path, this feature can be useful for projects with more than one border.
-  **Add New Project ID:** Click this button to add a new Project ID list item...






Edit the value of “NEW” that appears as a placeholder, then click the **Apply Edit** button  that appears next to the field to temporarily confirm the change. (Note that changes are not final until you click the **Save** button.)

-  **Edit Project ID:** Click this button to edit the Project ID and Description of an existing item. Click the **Apply Edit** button that appears next to the field to confirm the change. Click the **Save** button to write the changes back to the Project History file.
-  **Delete Project ID:** Click this button to delete the Project ID value from the list. Note that this will also delete any associated corridor values. After deleting items, click the **Save** button to write the changes back to the Project History file.
- **Project Border:** Click one of the two browse buttons to associate a border file with the selected Project ID. Click the **Save** button to write the changes back to the Project History file.

Note that a given Project ID list item may have one and only one Border file associated. If more than one border is required for a project, use the **Description** field to create multiple records of the same Project ID.

Manage Corridors Form

Use this form to edit the Corridors that are associated with a given Project ID in the Project History file.

- **Project ID:** Uneditable field, for reference purposes only. To change this value, use the Manage Project IDs button.
- **Description:** Uneditable field, for reference purposes only. To change this value, use the Manage Project IDs button.
- **Corridors:** Shows the list of Corridor values associated with the active Project ID.
-  **Add New Corridor:** Click this button to add a new Corridor list item. New items will automatically be assigned the next available number. Change the text value to something meaningful, then click the **Apply Edit** button that appears next to the field. (It is recommended to define the first Corridor as “ML” to indicate Main Line.)
-  **Edit Corridor:** Click this button to edit the Corridor name of an existing item. Click the **Apply Edit** button that appears next to the field to confirm the change. Click the **Save** button to write the changes back to the Project History file.
-  **Delete Corridor:** Click this button to delete the selected Corridor from the list. After deleting items, click the **Save** button to write the changes back to the Project History file.

Advanced Configuration Options

The File Naming Wizard utilizes the following variables:

Critical Variables

- **MDOT_IDSIM** – File Path, points to the IDSIM database file that contains all File Naming definitions
- **MDOT_FILEWIZ_PROJECTLIST** – File Path, points to the XML-based text file that stores Project ID, Border, and Corridor information
- **MS_SEEDFILES** – Folder Path List, used to locate seed file names referenced in the IDSIM database

Recommended Variables

- **MDOT_FILEWIZ_DGNDIR** – Folder Path, points to the default Destination Directory. Default value = `$(_DGNDIR)`
- **MDOT_FILEWIZ_HELP** – File Path, points to the location of the Help file. Default value = `$(_MDOT_DOCS)FileNaming.pdf`

Optional Variables

- **MDOT_FILEWIZ_CLOSEFORM** – 0/1, when set to 0, “Close Form” is unchecked. Default value = 1
- **MDOT_FILEWIZ_DELETEFILENAME** – String value. A common annoyance is that you must first be in a DGN file in order to use the File Naming Wizard. Set this value to a temporary filename. (Current workspace: `MDOT_FILEWIZ_DELETEFILENAME = OpenMe.dgn`). When a file by this name is opened, “Delete Current File” will be checked. The user will have to either create a new file (and delete the old file) or close the file. USE WITH EXTREME CAUTION.
- **MDOT_FILEWIZ_FILTER** – String value, when defined, presets the Filter value. Default = <None>
- **MDOT_FILEWIZ_OPENFILE** – 0/1, when set to 0, “Open File” is unchecked. Default value = 1
- **MDOT_FILEWIZ_PROJECTID** = String value, when defined, presets the Project ID value.
- **MDOT_FILEWIZ_[SeedName]** – File Path, define this variable to globally override a pre-defined seed file value. This variable was originally used on the Red Line to force specific Print Sheet seeds to be used in different project phases.

Miscellaneous Variables

- **PW_CAPTIVEENVIRONMENT** – When defined, user is unable to browse Windows for files.
- **PW_DISABLE_INTEGRATION** – When defined, user is unable to browse ProjectWise files.
- **_MDOT_ERROR_LOG** – File Path, defines the error log output file path.

List of File Names

c – Composition (Layout) Files

Stem	File Type
cDA	Drainage Area Map Layout
cES	Erosion & Sediment Control Layout
cGR	Grading & Drainage Layout
cHD	Roadway Plan Layout
cIT	ITS Plan Layout
cLD	Landscape Plan Layout
cLT	Lighting Plan Layout
cMT	Maint. of Traffic (MOT) Plan Layout
cNA	Noise Abatement Plan Layout
cRF	Reforestation Plan Layout
cSD	Stream Diversion Plan Layout
cSG	Signalization Plan Layout
cSN	Signing Plan Layout
cSR	Stream Restoration Plan Layout
cSW	Storm Water Management Plan Layout
cWT	Wetlands Mitigation Plan Layout

d – Detail Files

Stem	File Type
dBR-AD	Bridge/Structure - Abutment Details Model
dBR-BD	Bridge/Structure - Bearing Details Model
dBR-CG	Bridge/Structure - Concrete Girders Model
dBR-DD	Bridge/Structure - Diaphragm Details Model
dBR-DE	Bridge/Structure - Miscellaneous Details Model
dBR-DR	Bridge/Structure - Drainage Details Model
dBR-ED	Bridge/Structure - Expansion Joint Details Model
dBR-FD	Bridge/Structure - Footing Details Model
dBR-FJ	Bridge/Structure - Finger Joint Details Model
dBR-GE	Bridge/Structure - Girder Elevation Model
dBR-MD	Bridge/Structure - Median Details Model
dBR-PD	Bridge/Structure - Pier Details Model
dBR-PL	Bridge/Structure - Pile Layout Model
dBR-PS	Bridge/Structure - Pouring Sequence Model
dBR-RD	Bridge/Structure - Reinforcing Details Model
dBR-SB	Bridge/Structure - Substructure Details Model

Stem	File Type
dBR-SC	Bridge/Structure - Sequence of Construction Model
dBR-SD	Bridge/Structure - Standard Details Model
dBR-SF	Bridge/Structure - Fence Details Model
dBR-SG	Bridge/Structure - Steel Girders Model
dBR-SS	Bridge/Structure - Superstructure Details Model
dBR-TP	Bridge/Structure - Typical Section Model
dBR-WD	Bridge/Structure - Wing Wall Details Model
dBR-WW	Bridge/Structure - Wing Wall Elevations Model
dDD	Drainage Details
dES	Erosion & Sediment Control Details
dGT	Pavement Details Model
dSW-D	Storm Water Management Details

m – Model Files

Stem	File Type
mAQ	Air Quality Model
mAR	Architectural Model
mAT	Turning Movements
mBD	Bridge Model, Plan
mBP	Bridge Model, Profile
mBR-AB	Bridge/Structure - Abutment Plan & Elevation Model
mBR-FP	Bridge/Structure - Framing Plan Model
mBR-FR	Bridge/Structure - Finished Roadway Elevations Model
mBR-GL	Bridge/Structure - Geometric Layout Model
mBR-GP	Bridge/Structure - General Plan & Elevation
mBR-PR	Bridge/Structure - Pier Plan and Elevation Model
mDA-A*	Drainage Area Map, Alternate
mDA-E	Drainage Area Map, Existing
mDA-N	Drainage Area Map, New/Proposed
mDA-P*	Drainage Area Map, Phased
mDD	Drainage Design Model
mDD-A*	Drainage Design Model, Alternate
mDD-P*	Drainage Design Model, Phased
mDE	Environmental Site Design Model
mDE-A*	Environmental Site Design Model, Alternate
mDE-P*	Environmental Site Design Model, Phased
mdp	Drainage (Pipe) Profile Model

Stem	File Type
mDP-A*	Drainage (Pipe) Profile Model, Alternate
mDP-P*	Drainage (Pipe) Profile Model, Phased
mEF	Environmental Features Model
mEF-C	Environmental Features Model (Composite)
mEI	Environmental Impacts Model
mEI-A*	Environmental Impacts Model, Alternate
mEL	Electrical Model
mES	Erosion & Sediment Control Model
mES-A*	Erosion & Sediment Control Model, Alternate
mES-P*	Erosion & Sediment Control Model, Phased
mFA	Fire Alarm Model
mFD	Future Developments Model
mFP	Fire Protection Model
mFS	Fire Alarm/Security Model
mGM	Area Map (from Grid Map)
mGR-E	Contours, Existing Grading Model
mGR-N	Contours, New/Proposed Grading Model
mHA	Horizontal Alignment Model
mHA-A*	Horizontal Alignment Model, Alternate
mHC	Cross Section Model
mHC-A*	Cross Section Model, Alternate
mHD	Highway Design Model
mHD-A*	Highway Design Model, Alternate
mHD-P*	Highway Design Model, Phased
mHP	Highway Profile (VA) Model
mHP-A*	Highway Profile (VA) Model, Alternate
mHP-P*	Highway Profile Model, Phased
mHT	Typical Section Details
mHV	HVAC Model
mIC	Instrumentation Model
mIN	Interior Model
MIT-E	Changeable Message Sign & ITS Models, Existing
MIT-N	ITS Model, New/Proposed
mLD	Landscape Design Model
mLT-E	Lighting Model, Existing
mLT-N	Lighting Model, New/Proposed
mLU-E	Land Use Delineation Model, Existing
mLU-N	Land Use Delineation Model, New/Proposed

Stem	File Type
mMB	Metes & Bounds Model
mMO	Mosaic Model
mMT-A*	Maint. of Traffic (MOT) Model, Alternate
mMT-P*	Maint. of Traffic (MOT) Model, Phased
mNA	Noise Abatement Model
mNB	Noise Barrier Model
mNB-A*	Noise Barrier Model, Alternate
mPB	Plumbing Model
mPL	Plat Work Map/Plat Development Model
mPL-A*	Plat Work Map/Plat Development Model, Alternate
mPL-E	Property Line Model, Existing
mPL-N	Property Line Model, New/Proposed
mPM-E	Pavement Marking Model, Existing
mPM-N	Pavement Marking Model, New/Proposed
mRF	Reforestation Model
mRR	Rail Relocation Model
mRR-A*	Railroad Design Model, Alternate
mRS	Roadside Safety Model
mRW-E	Right-of-Way Model, Existing
mRW-N	Right-of-Way Needs, New/Proposed
mSC-A*	Sequence of Construction Model, Alternate
mSD	Stream Diversion Model
mSG-E	Signalization Model, Existing
mSG-N	Signalization Model, New/Proposed
mSH	Shading Model
mSM	Soils Map
mSM-E	Soils Map, Existing
mSM-N	Soils Map, New/Proposed
mSN-E	Signing Model, Existing
mSN-N	Signing Model, New/Proposed
mSO	Soils and Foundation Model
mSR	Stream Restoration Model
mST	Structural Model
mSW-N	Storm Water Management Model, New/Proposed
mSW-P*	Stormwater Management Model, Phased
mSY	Security Model
mTC	Topographic Cross Sections
mTD	Telecommunications Model

Stem	File Type
mTO	Topography Model (Survey)
mTO-A	Topography Model (Aerial Photogrammetry)
mTO-B	Topography Model (Bridges)
mTO-C	Topography Model (Composite)
mTO-F	Topography Model (Field Sketch)
mTO-R	Topography Model (Digitized Records)
mTT	Temporary Traffic Phasing Topography Model
mTX	Topographic Text Labels Model
mUT-C	Utilities Model, Composite
mUT-D	Utilities Model, Designation
mUT-E	Utilities Model, Existing
mUT-N	Utilities Model, New/Proposed
mUT-T	Utilities Model, Test Holes
mWP	Wetland Impact Model
mWQ	Water Quality Model
mWQ-E	Water Quality Model - Existing
mWT	Wetlands Mitigation Model

p – Print Sheet Files

Stem	File Type
pAR-D	Architectural Detail Sheet
pAR-E	Architectural Elevation (Profile) Sheet
pAR-G	Architectural General Notes Sheet
pAR-L	Architectural Large Scale View Sheet
pAR-P	Architectural Plan Sheet
pAR-S	Architectural Schedule Sheet
pAR-X	Architectural Section Sheet
pBG-4F	Brochure Graphics - 4(f) Impact Plates
pBG-AM	Brochure Graphics - Alternates Mapping
pBG-SA	Brochure Graphics - Study Areas Maps
pBG-SI	Brochure Graphics - Summary of Impacts Matrix
pBG-TD	Brochure Graphics - Traffic Diagrams
pBG-TS	Brochure Graphics - Typical Sections
pBR-AB	Bridge/Structure - Abutment Plan & Elevation
pBR-AD	Bridge/Structure - Abutment Details
pBR-BD	Bridge/Structure - Bearing Details
pBR-BL	Borings and Drive Tests Sheet

Stem	File Type
pBR-CG	Bridge/Structure - Concrete Girders
pBR-DD	Bridge/Structure - Diaphragm Details
pBR-DE	Bridge/Structure - Miscellaneous Details
pBR-DR	Bridge/Structure - Drainage Details
pBR-ED	Bridge/Structure - Expansion Joint Details
pBR-FD	Bridge/Structure - Footing Details
pBR-FJ	Bridge/Structure - Finger Joint Details
pBR-FP	Bridge/Structure - Framing Plan
pBR-FR	Bridge/Structure - Finished Roadway Elevations
pBR-GE	Bridge/Structure - Girder Elevation
pBR-GL	Bridge/Structure - Geometric Layout
pBR-GP	Bridge/Structure - General Plan & Elevation
pBR-HD	Bridge/Structure - Hydraulic Data
pBR-HH	Bridge/Structure - Hydrology & Hydraulic Data
pBR-MD	Bridge/Structure - Median Details
pBR-PD	Bridge/Structure - Pier Details
pBR-PL	Bridge/Structure - Pile Layout
pBR-PR	Bridge/Structure - Pier Plan and Elevation
pBR-PS	Bridge/Structure - Pouring Sequence
pBR-RD	Bridge/Structure - Reinforcing Details
pBR-SB	Bridge/Structure - Substructure Details
pBR-SC	Bridge/Structure - Sequence of Construction
pBR-SD	Bridge/Structure - Standard Details
pBR-SF	Bridge/Structure - Fence Details
pBR-SG	Bridge/Structure - Steel Girders
pBR-SR	Bridge/Structure - Summary of Repairs
pBR-SS	Bridge/Structure - Superstructure Details
pBR-TP	Bridge/Structure - Typical Section
pBR-WD	Bridge/Structure - Wing Wall Details
pBR-WW	Bridge/Structure - Wing Walls
pDA-P	Drainage Area Map
pDD-D	Drainage Detail Sheet
pDD-S	Drainage Schedule Sheet
pDP-V	Drainage (Pipe) Profile Sheet
pED-AM	Environmental Document - Alternate Mapping
pED-NA	Environmental Document - Noise Sensitive Areas
pED-RM	Environmental Document - Regional Maps
pED-SA	Environmental Document - Study Areas Maps

Stem	File Type
pED-TS	Environmental Document - Typical Section
pEL-D	Electrical Detail Sheet
pEL-E	Electrical Elevation (Profile) Sheet
pEL-G	Electrical General Notes Sheet
pEL-L	Electrical Large Scale View Sheet
pEL-P	Electrical Plan Sheet
pEL-S	Electrical Schedule Sheet
pEL-X	Electrical Section Sheet
pES-D	E&S STD Details Sheet 1
pES-D	E&S STD Details Sheet 2
pES-D	E&S STD Details Sheet 3
pES-D	Erosion & Sediment Control Detail Sheet
pES-N	E&S STD Notes Sheet 1
pES-N	E&S STD Notes Sheet 2 (AA/Severn River WS Only)
pES-P	Erosion & Sediment Control Plan Sheet
pES-P*	Erosion & Sediment Control Plan Sheet, Phased
pFA-D	Fire Alarm Detail Sheet
pFA-E	Fire Alarm Elevation (Profile) Sheet
pFA-G	Fire Alarm General Notes Sheet
pFA-L	Fire Alarm Large Scale View Sheet
pFA-P	Fire Alarm Plan Sheet
pFA-S	Fire Alarm Schedule Sheet
pFA-X	Fire Alarm Section Sheet
pFP-D	Fire Protection Detail Sheet
pFP-E	Fire Protection Elevation (Profile) Sheet
pFP-G	Fire Protection General Notes Sheet
pFP-L	Fire Protection Large Scale View Sheet
pFP-P	Fire Protection Plan Sheet
pFP-S	Fire Protection Schedule Sheet
pFP-X	Fire Protection Section Sheet
pFS-D	Fire Alarm/Security Detail Sheet
pFS-E	Fire Alarm/Security Elevation (Profile) Sheet
pFS-G	Fire Alarm/Security General Notes Sheet
pFS-L	Fire Alarm/Security Large Scale View Sheet
pFS-P	Fire Alarm/Security Plan Sheet
pFS-S	Fire Alarm/Security Schedule Sheet
pFS-X	Fire Alarm/Security Section Sheet
pGM-**L	Grid Map Linework

Stem	File Type
pGM-**T	Grid Map Text Sheet
pGN-I	Index of Sheets
pGN-N	Standard Abbreviations/Legend Sheet
pGN-T	Title Sheet - Print
pGR-D	Pond Grading Detail Sheet
pGR-P	Grading & Drainage Plan Sheet
pGR-S	Grading Table Earthwork Summary Sheet
pGS-P	Geometry Sheet
pGT-D	Pavement Details Sheet
pHC-X	Cross Section Sheet
pHD-D	Highway Detail Sheet (i.e. Intersections)
pHD-P	Roadway Plan Sheet
pHP-V	Roadway Profile Sheet
pHT-X	Typical Section Sheet
pHV-D	HVAC Detail Sheet
pHV-E	HVAC Elevation (Profile) Sheet
pHV-G	HVAC General Notes Sheet
pHV-L	HVAC Large Scale View Sheet
pHV-P	HVAC Plan Sheet
pHV-S	HVAC Schedule Sheet
pHV-X	HVAC Section Sheet
pIC-D	Instrumentation Detail Sheet
pIC-E	Instrumentation Elevation (Profile) Sheet
pIC-G	Instrumentation General Notes Sheet
pIC-L	Instrumentation Large Scale View Sheet
pIC-P	Instrumentation Plan Sheet
pIC-S	Instrumentation Schedule Sheet
pIC-X	Instrumentation Section Sheet
pIN-D	Interior Detail Sheet
pIN-E	Interior Elevation (Profile) Sheet
pIN-G	Interior General Notes Sheet
pIN-L	Interior Large Scale View Sheet
pIN-P	Interior Plan Sheet
pIN-S	Interior Schedule Sheet
pIN-X	Interior Section Sheet
pIT-P	ITS Plan Sheet
pLD-D	Landscaping Detail Sheet
pLD-P	Landscaping Plan Sheet

Stem	File Type
pLP-X	Landscaping Profile Sheet
pLT-A	Lighting As-Built Plan Sheet
pLT-D	Lighting Detail Sheet
pLT-P	Lighting Plan Sheet
pLT-S	Lighting Schedule Sheet
pLT-T	Lighting Title Sheet
pMT-N	Maintenance of Traffic General Notes Sheet
pMT-P*	Maint. of Traffic (MOT) Plan Sheet, Phased
pNA-P	Noise Abatement Plan Sheet
pNI-F	Notice of Intent Plate
pPB-D	Plumbing Detail Sheet
pPB-E	Plumbing Elevation (Profile) Sheet
pPB-G	Plumbing General Notes Sheet
pPB-L	Plumbing Large Scale View Sheet
pPB-P	Plumbing Plan Sheet
pPB-S	Plumbing Schedule Sheet
pPB-X	Plumbing Section Sheet
pPL-P	Plat Sheet
pPP-F	Property Plate
pRF-P	Reforestation Plan Sheet
pRW-EM	R/W Cost Estimating Maps
pSD-P	Stream Diversion Plan Sheet
pSE-D	Superelevation Data Sheet
pSG-A	Signal As-Built Plan Sheet
pSG-C	Signal Interconnect Plan Sheet
pSG-D	Signal Detail Sheet
pSG-N	Signal General Information Sheet
pSG-P	Signal Plan Sheet
pSG-T	Signal Title Sheet
pSN-1	Signing (SN-1) General Notes and Proposals
pSN-11	Signing (SN-1.1) Index of Quantities
pSN-2	Signing (SN-2) Plan Sheet
pSN-3	Signing (SN-3) Guide Sign Message Details
pSN-4	Signing (SN-4) Guide Sign Support Details
pSN-8	Signing (SN-8) Overhead Sign Structure Details
pSN-9	Signing (SN-9) Cantilever Sign Structure Details
pSN-9C	Signing (SN-9C) Sign & Mast Arm Typical Details
pSN-AW	Signing Sheet - Areawide

Stem	File Type
pSR-P	Stream Restoration Plan Sheet
pST-D	Structural Detail Sheet
pST-E	Structural Elevation (Profile) Sheet
pST-G	Structural General Notes Sheet
pST-L	Structural Large Scale View Sheet
pST-P	Structural Plan Sheet
pST-S	Structural Schedule Sheet
pST-X	Structural Section Sheet
pSV-P	Survey Request Plan Sheet
pSW-D	Storm Water Management Detail Sheet
pSW-P	Storm Water Management Plan Sheet
pSY-D	Security Detail Sheet
pSY-E	Security Elevation (Profile) Sheet
pSY-G	Security General Notes Sheet
pSY-L	Security Large Scale View Sheet
pSY-P	Security Plan Sheet
pSY-S	Security Schedule Sheet
pSY-X	Security Section Sheet
pTD-D	Telecommunications Detail Sheet
pTD-E	Telecommunications Elevation (Profile) Sheet
pTD-G	Telecommunications General Notes Sheet
pTD-L	Telecommunications Large Scale View Sheet
pTD-P	Telecommunications Plan Sheet
pTD-S	Telecommunications Schedule Sheet
pTD-X	Telecommunications Section Sheet
pUT-F	Utility Test Hole Report Form
pWD-AM	Wall Display - Alternates Mapping
pWD-LD	Landscaping Display Sheet (Wall Display)
pWD-LP	Landscaping Cross Section Display Sheet (Wall Display)
pWD-NA	Wall Display - Noise Sensitive Areas
pWD-RM	Wall Display - Regional Maps
pWD-SA	Wall Display - Study Area
pWD-TS	Wall Display - Typical Section
pWP-F	Wetlands Impact Plate
pWP-N	Wetlands Impact Plate Summary/Legend
pWQ-P	Water Quality Plan Sheet
pWT-P	Wetlands Mitigation Plan Sheet

s – Support Files

Stem	File Type
sAL	OpenRoads Geometry Model
sAL-A*	OpenRoads Geometry Model, Alternate
sAL-P*	OpenRoads Geometry Model, Phased
sCO	OpenRoads Corridor Model
sCO-A*	OpenRoads Corridor Model, Alternate
sCO-P*	OpenRoads Corridor Model, Phased
sDD	OpenRoads Drainage Design Model
sDD-A*	OpenRoads Drainage Design Model, Alternate
sDD-P*	OpenRoads Drainage Design Model, Phased
sEC	OpenRoads End Conditions Model
sEC-A*	OpenRoads End Conditions Model, Alternate
sEC-P*	OpenRoads End Conditions Model, Phased
sHC	OpenRoads Cross Sections
sHC-A*	OpenRoads Cross Sections, Alternate
sHC-P*	OpenRoads Cross Sections, Phased
sSE	OpenRoads Superelevation Model
sSE-A*	OpenRoads Superelevation Model, Alternate
sSE-P*	OpenRoads Superelevation Model, Phased
sSW	OpenRoads Stormwater Management Model
sSW-A*	OpenRoads Stormwater Management Model, Alternate
sSW-P*	OpenRoads Stormwater Management Model, Phased
sTM-A*	OpenRoads Terrain Model, Alternate
sTM-E	OpenRoads Terrain Model, Existing
sTM-N	OpenRoads Terrain Model, New/Proposed
sTM-P*	OpenRoads Terrain Model, Phased
sTO	OpenRoads Topography Model (Survey)

x – Miscellaneous Files

Stem	File Type
xBL	Base Linen Sheet
xBL-GT	Pavement Details Border
xBL-HC	Cross Section Border
xBL-NI	Notice of Intent Plate Border
xBL-PP	Property Plate Border
xBL-WD	Wall Display Border
xBL-WP	Wetlands Impact Plate Border
xLG	Legend

