

## Sheet Index Editing – Bridge Bureau

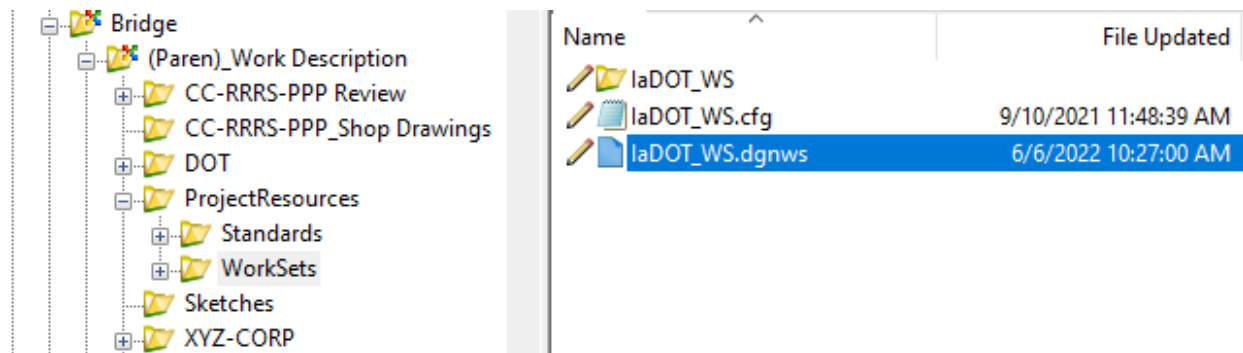
For Iowa DOT Bridge Bureau plan sheet development, the following information is to aid with the use of the Sheet Index tool in MicroStation CONNECT workflows. The Sheet Index is used only with Sheet Models and will aid in populating Text Fields and print output.

Bentley Systems has guidance on the basic use of the Sheet Index. This can be found on the Bentley Learn Website ( <https://learn.bentley.com/app/Public> ) as well as videos on YouTube.

The Iowa DOT Road Design Bureau also has a video on YouTube covering the use of Sheet Index used for Road Design plans and the Title Sheet, “Iowa DOT MicroStation ORD Connect - Sheet Index” ( <https://youtu.be/Ks3IPBL582I> ). This video is more specific to the use of the Road Design Bureau sheeting process, however, some of the steps are similar to the Bridge Bureau process.

Every Project Directory and Work Area folder (*this includes the **Bridge and (Paren)\_Work Description subfolders***) has a Sheet Index file (**laDOT\_WS.dgnws**) that is located in the **ProjectResources\WorkSets\** subfolders. The laDOT\_WS.dgnws file is what sets the format of the Sheet Index properties and Text Fields.

If the laDOT\_WS.dgnws file is updated/revised by the Iowa DOT, then existing project directories will not see the updated version, only new directories will show this. If existing projects require the need to have the updated version, then the original dgnws file will need to be replaced in ProjectWise through the managed export/import process. ***Something to consider prior to replacing an existing dgnws file, is that all existing dgnws data will be overwritten requiring this data to be reentered.***

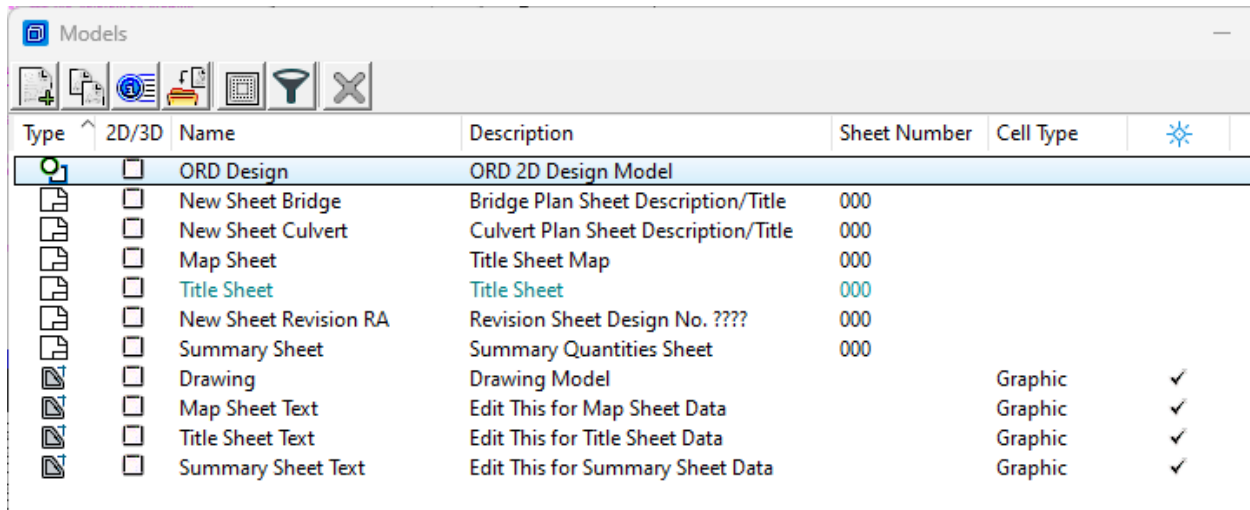


The Sheet Index is available for use in OpenBridge Modeler (OBM), OpenRoads Designer (ORD) and ProStructures. Plan sheeting and the use of the Sheet Index will be done in either ORD or ProStructures.

**To do ANY editing of the Sheet Index, this includes adding/removing sheet models, the Sheet Index must be open for editing.**

*The source location for the Bridge Plan Production Seed file is,*  
**PWMain\Documents\IowaDOTStandardsConnect\Configuration\Organization-Civil\IowaDOT\_Standards\ProStructures\Seed\Imperial3d.dgn**

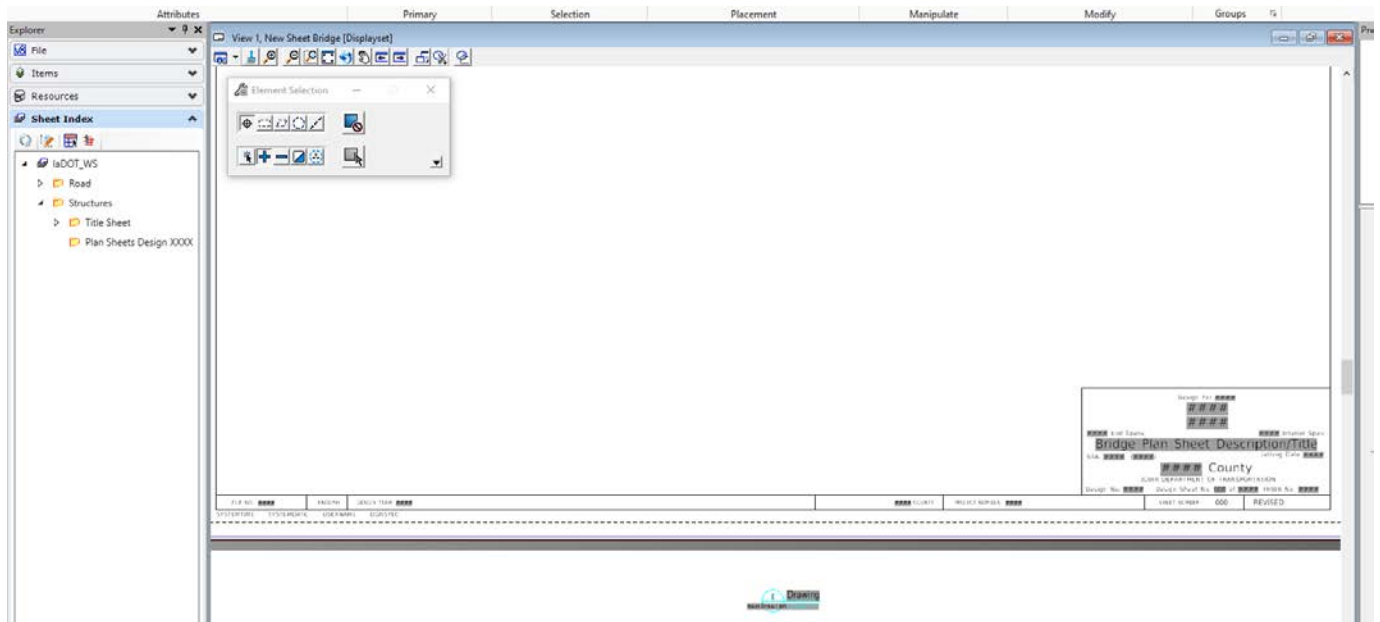
Open the project file created from the Bridge Plan Production Seed file (Imperial3d.dgn) to either the **New Sheet Bridge** or **New Sheet Culvert** sheet models.



Type	2D/3D	Name	Description	Sheet Number	Cell Type	
	<input type="checkbox"/>	ORD Design	ORD 2D Design Model			
	<input type="checkbox"/>	New Sheet Bridge	Bridge Plan Sheet Description/Title	000		
	<input type="checkbox"/>	New Sheet Culvert	Culvert Plan Sheet Description/Title	000		
	<input type="checkbox"/>	Map Sheet	Title Sheet Map	000		
	<input type="checkbox"/>	Title Sheet	Title Sheet	000		
	<input type="checkbox"/>	New Sheet Revision RA	Revision Sheet Design No. ????	000		
	<input type="checkbox"/>	Summary Sheet	Summary Quantities Sheet	000		
	<input type="checkbox"/>	Drawing	Drawing Model		Graphic	✓
	<input type="checkbox"/>	Map Sheet Text	Edit This for Map Sheet Data		Graphic	✓
	<input type="checkbox"/>	Title Sheet Text	Edit This for Title Sheet Data		Graphic	✓
	<input type="checkbox"/>	Summary Sheet Text	Edit This for Summary Sheet Data		Graphic	✓

If developing plans with an existing file created from an older version of the Bridge Plan Production Seed file, there may be a need to import the new Title and Map sheet and drawing models, and the Revision RA sheet model from the updated seed file.

The text displaying in “gray background blocks” is a visual indicator that the text has a Text Field applied to it meaning it is linked to data from a CADD element, model, or file. In MicroStation Explorer, expand the Sheet Index section while in a sheet model.



## Sheet Index Structure

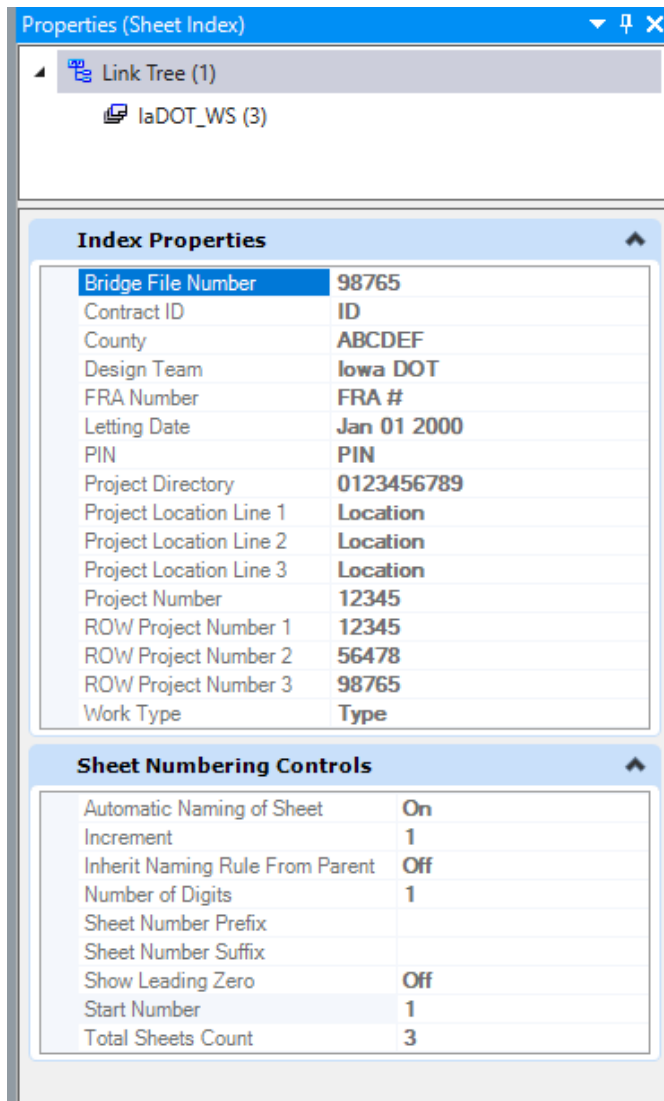
There are three groups of properties within the Sheet Index - **Index**, **Folder** and **Sheet**. The **Index** and **Folder** Properties are what is being used on the Sheet Models. The **Sheet** Properties are not currently being used in the preset Text Fields.

**Index Properties** are used to populate Text Fields on the following sheet models:

- Title Sheet
- Map Sheet (in border)

The Index Properties can be edited through the MicroStation Properties dialog window. Properties are only editable when the Sheet Index is open for editing.

The Index Properties image shown below displays the text in **gray**, this is a visual indicator that the Sheet Index is not opened for editing (Sheet Index file is Read-Only).



The Index Properties image shown below displays the text in **bold black**, this is a visual indicator that the Sheet Index is opened for editing allowing changes to be entered.

**NOTE: The example BOLD text in the Index Properties data (column on the right in the image below) is to be edited accordingly to match the project specific information. Also, as of 10-24-2023 the CONTRACT ID NUMBER is no longer being placed on the Bridge Bureau Title Sheet. Therefore, this data field of the Sheet Index-Index Properties is not being used.**

The screenshot shows the 'Properties (Sheet Index)' dialog box. At the top, there is a tree view with 'Link Tree (1)' and 'IaDOT\_WS (3)'. Below this is the 'Index Properties' section, which contains a table of fields and values. The values are in bold black text. Below the 'Index Properties' section is the 'Sheet Numbering Controls' section, which contains a table of settings.

Index Properties	
Bridge File Number	<b>98765</b>
Contract ID	<b>ID</b>
County	<b>ABCDEF</b>
Design Team	<b>Iowa DOT</b>
FRA Number	<b>FRA #</b>
Letting Date	<b>Jan 01 2000</b>
PIN	<b>PIN</b>
Project Directory	<b>0123456789</b>
Project Location Line 1	<b>Location</b>
Project Location Line 2	<b>Location</b>
Project Location Line 3	<b>Location</b>
Project Number	<b>12345</b>
ROW Project Number 1	<b>12345</b>
ROW Project Number 2	<b>56478</b>
ROW Project Number 3	<b>98765</b>
Work Type	<b>Type</b>

Sheet Numbering Controls	
Automatic Naming of Sheet	<b>On</b>
Increment	<b>1</b>
Inherit Naming Rule From Parent	<b>Off</b>
Number of Digits	<b>1</b>
Sheet Number Prefix	
Sheet Number Suffix	
Show Leading Zero	<b>Off</b>
Start Number	<b>1</b>
Total Sheets Count	<b>3</b>

**Folder Properties** are used to populate Text Fields on the sheet model:

- Title Sheet (in title block and border)

The Folder Properties are essentially a template used for each Plan Sheet Design number folder. These can be edited through the MicroStation Properties dialog window for each Design number. Properties are only editable when the Sheet Index is open for editing.

**NOTE: The example BOLD text in the Folder Properties data (column on the right in the image below) is to be edited accordingly to match the project specific information.**

Properties (Sheet Index) [v] [p] [x]

Folder Link (1)

Plan Sheets Design XXXX (3)

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**General** [^]

Folder Name: **Plan Sheets Design XXXX**

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**Folder Properties** [^]

Bridge Design Team	<b>AAA\BBB\CCC</b>
Bridge Project Number	<b>NHSX-092-9(007)-3H-58</b>
County	<b>County Test Name</b>
Cross Section Road Name	<b>Road Name</b>
Design Number	<b>2222</b>
Design Team	<b>Iowa DOT</b>
End Spans	<b>10'-0"</b>
FHWA or Asset ID Number	<b>223344</b>
Interior Span	<b>10'-0"</b>
Plan Sheet Description	<b>Description</b>
Skew and Direction	<b>30 Degree RA</b>
Station	<b>10+45.89</b>
Turn-in Date	<b>Jan 2025</b>
Type and Size of Structure 1	<b>Type and Size of Structure 1</b>
Type and Size of Structure 2	<b>Type and Size of Structure 2</b>

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**Sheet Numbering Controls** [^]

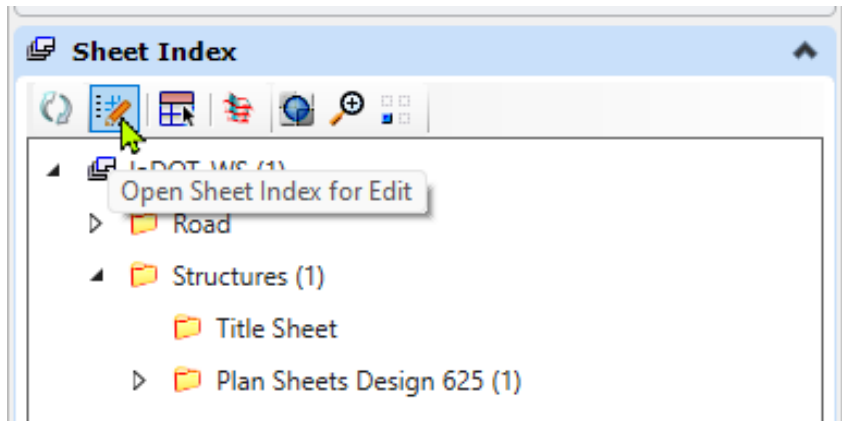
Automatic Naming of Sheet	<b>On</b>
Increment	<b>1</b>
Inherit Naming Rule From Parent	<b>Off</b>
Number of Digits	<b>1</b>
Sheet Number Prefix	
Sheet Number Suffix	
Show Leading Zero	<b>On</b>
Start Number	<b>1</b>
Total Sheets Count	<b>3</b>

## Sheet Index Use

To assign or edit the Text Fields used with the Sheet Index, select **Open Sheet Index for Edit**.

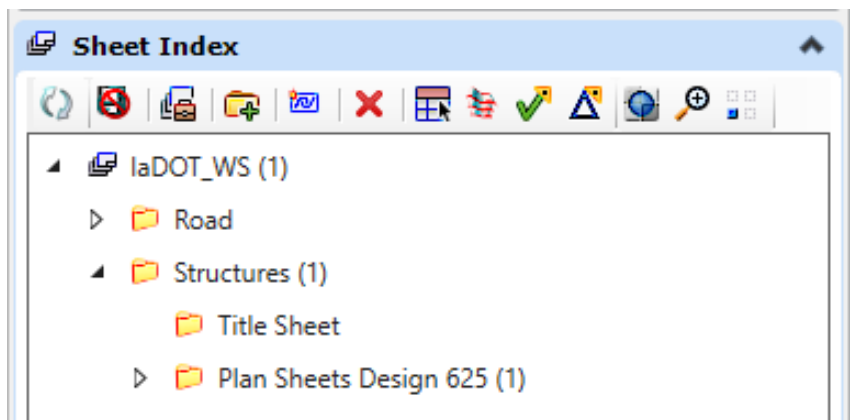


The image below is showing the Sheet Index in ORD.

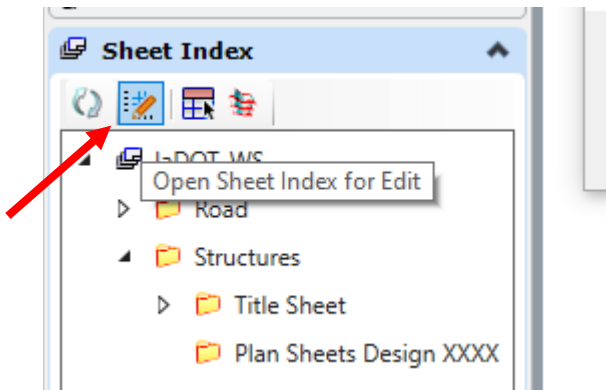


Once the Sheet Index is opened for editing the icon selections will change.

The image below is showing the Sheet Index open for edit in ORD. This also shows two “technology preview” tools indicated by the yellow triangle w/ black dot added by Bentley Systems to ORD.

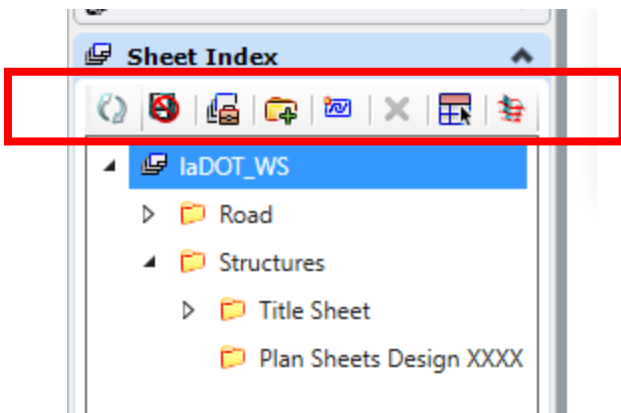


The image below is showing Sheet Index in ProStructures.

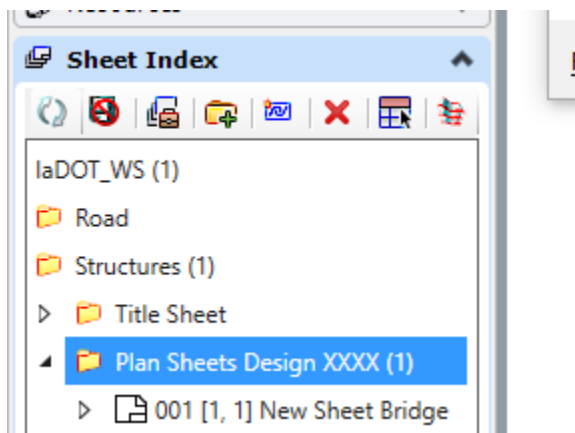


Once the Sheet Index is opened for editing the icon selections will change.

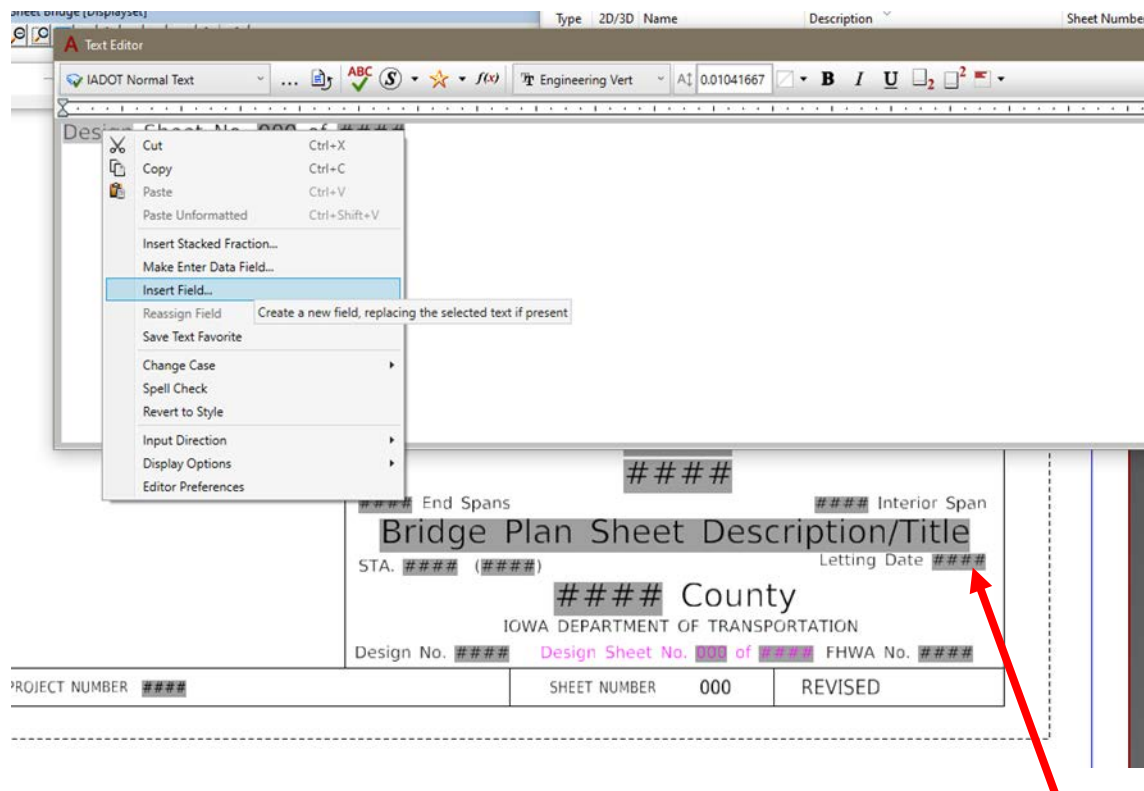
The image below is showing the Sheet Index open for edit in ProStructures.



To assign the Text Fields to the Sheet Index properties, the Sheet Index must be open for editing and the Bridge and Culvert sheet models must be added to the Sheet Index under the Plan Sheets Design XXXX folder.

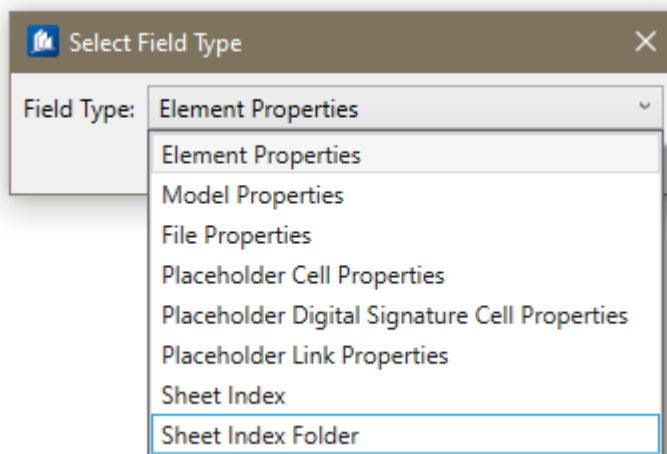


The Bridge and Culvert Sheet Models already have Text Fields assigned to the Title Block and Sheet Border. There may be a need to create a new Text Field or change, reassign, an existing Text Field. To create/assign a new Text Field, select text to edit, highlight text, right click, and select Insert Field...



**Note:** The image above shows an earlier version of the Title Block using “Letting Date”, this has been changed to now state “Turn-in Date”.

Choose the Text Field Type from the list shown. This list will vary depending on field types that are available. If the Sheet Index is not “Open for Edit” then the two Sheet Index options shown below will not display in the list, therefore they will not be available as a selectable option.

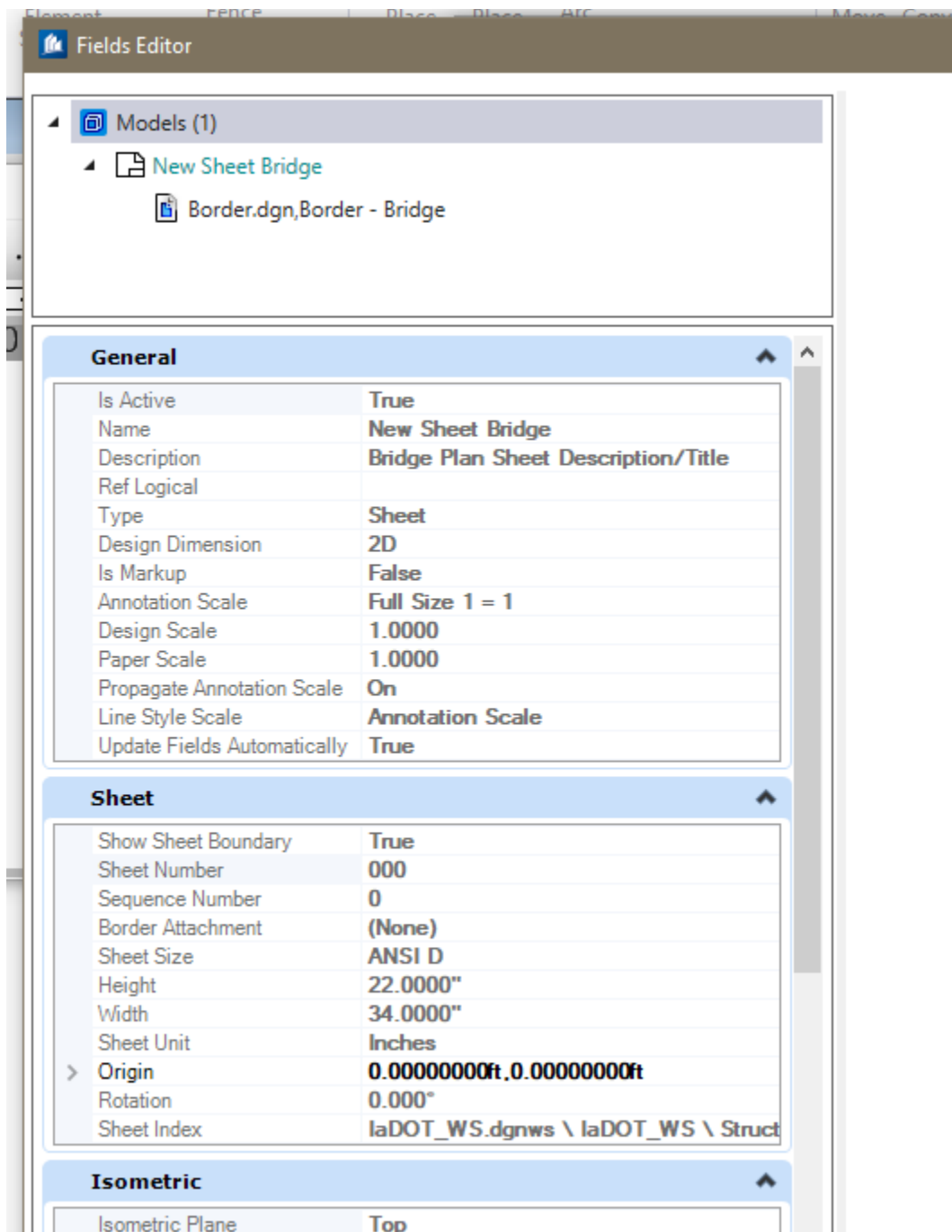




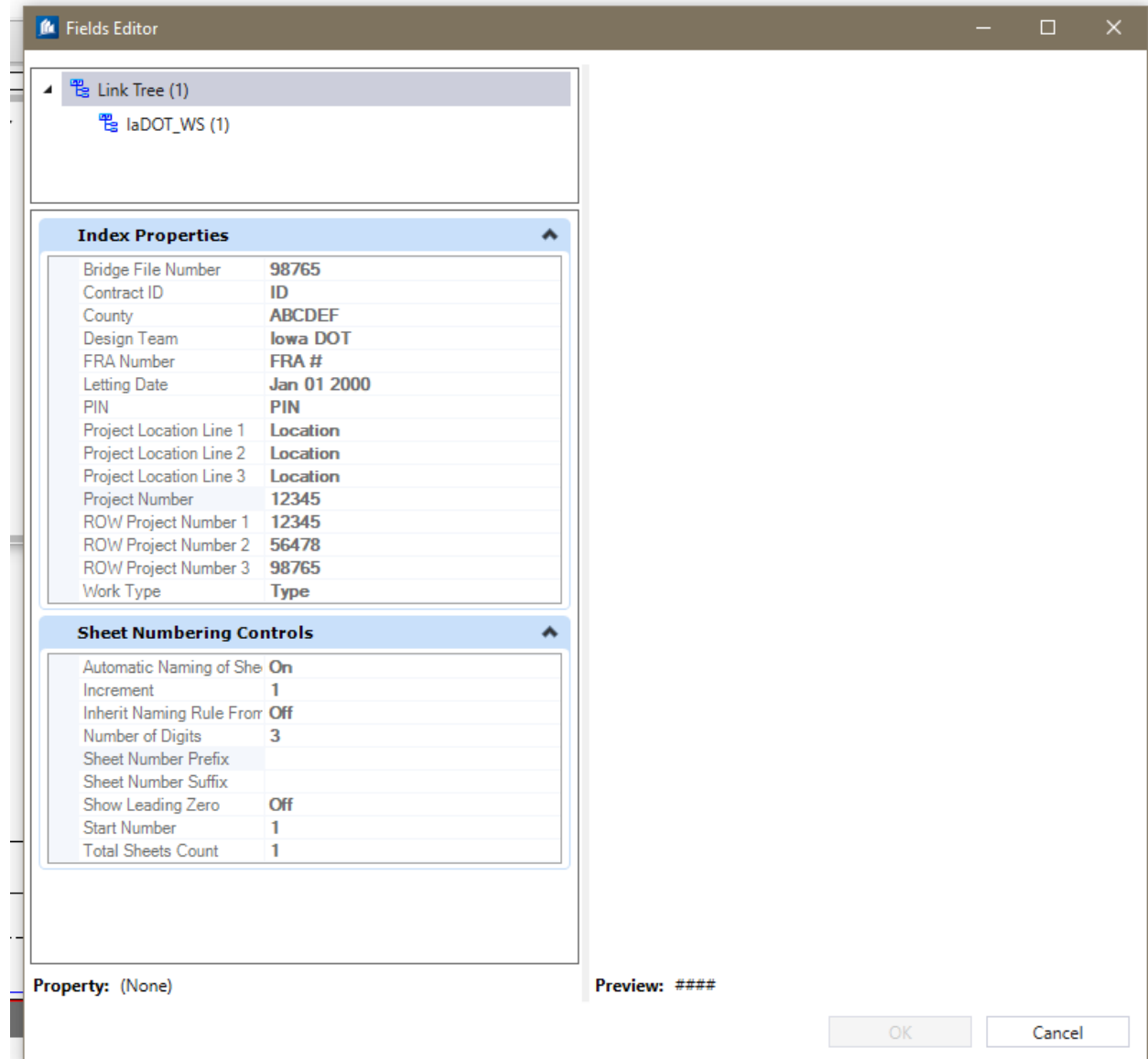
Once the Field Type is selected then select (click/highlight) the appropriate field properties wanting assigned to the Text Field.

**Bridge plan sheets are using the Field Types of “Model Properties”, “Sheet Index” and “Sheet Index Folder”.**

The “**Model Properties**” field is selected to populate the Text Field used on the Title Block plan sheet Description/Title, and the Design Sheet number used on Bridge Bureau plan sheets.



The “**Sheet Index**” field is selected for Text Fields used on the Title Sheet and the Map Sheet used on Bridge Bureau Plan sheets.



The “Sheet Index Folder” field is selected for fields used on the Title Block of Bridge Bureau plan sheets.

The screenshot shows the 'Fields Editor' dialog box. At the top, there is a tree view under 'Folder Link (1)' with a sub-item 'Plan Sheets Design XXXX (1)' selected. Below this are three main sections: 'General', 'Folder Properties', and 'Sheet Numbering Controls'. The 'General' section has a 'Folder Name' field containing 'Plan Sheets Design XXXX'. The 'Folder Properties' section contains a list of fields with their corresponding values. The 'Sheet Numbering Controls' section contains a list of fields with their corresponding values. At the bottom, there is a 'Property: (None)' label, a 'Preview: ####' label, and 'OK' and 'Cancel' buttons.

General	
Folder Name	Plan Sheets Design XXXX

Folder Properties	
Bridge Design Team	AAA\BBB\CCC
Bridge Project Number	NHSX-092-9(007)-3H-58
Cross Section Road Name	Road Name
Design Number	2222
Design Team	Iowa DOT
End Spans	10'-0"
FHW/A or Asset ID Number	223344
Interior Span	10'-0"
Plan Sheet Description	Description
Skew and Direction	30 Degree RA
Station	10+45.89
Turn-in Date	Jan 01 2025
Type and Size of Structure	Type and Size of Structure 1
Type and Size of Structure	Type and Size of Structure 2

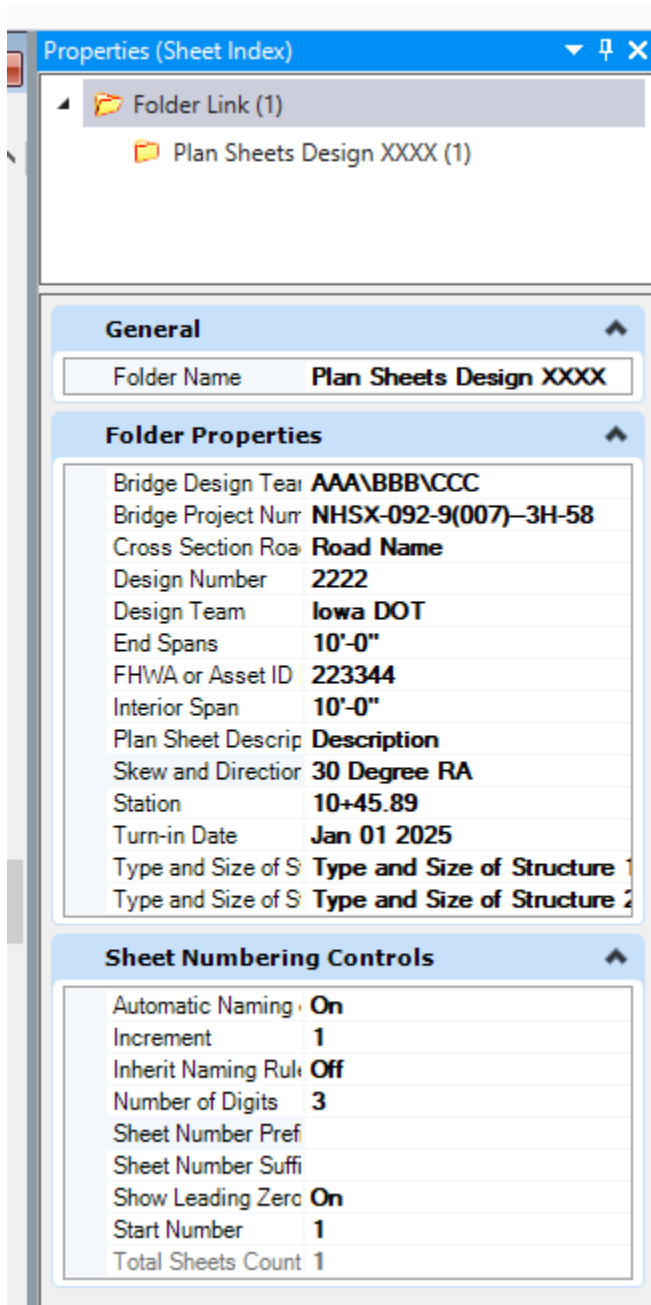
Sheet Numbering Controls	
Automatic Naming of Sheets	On
Increment	1
Inherit Naming Rule From	Off
Number of Digits	3
Sheet Number Prefix	
Sheet Number Suffix	
Show Leading Zero	On
Start Number	1
Total Sheets Count	1

Property: (None)      Preview: ####

OK      Cancel

Adding a sheet model to the Sheet Index will allow the Text Fields to populate from their perspective properties they are assigned to.

Properties are only editable when the Sheet Index is open for editing. These are specific to each Plan Sheets Design folders per Design Number. All plan sheets that are added under each Plan Sheets Design folder will use these properties in their Text Fields.

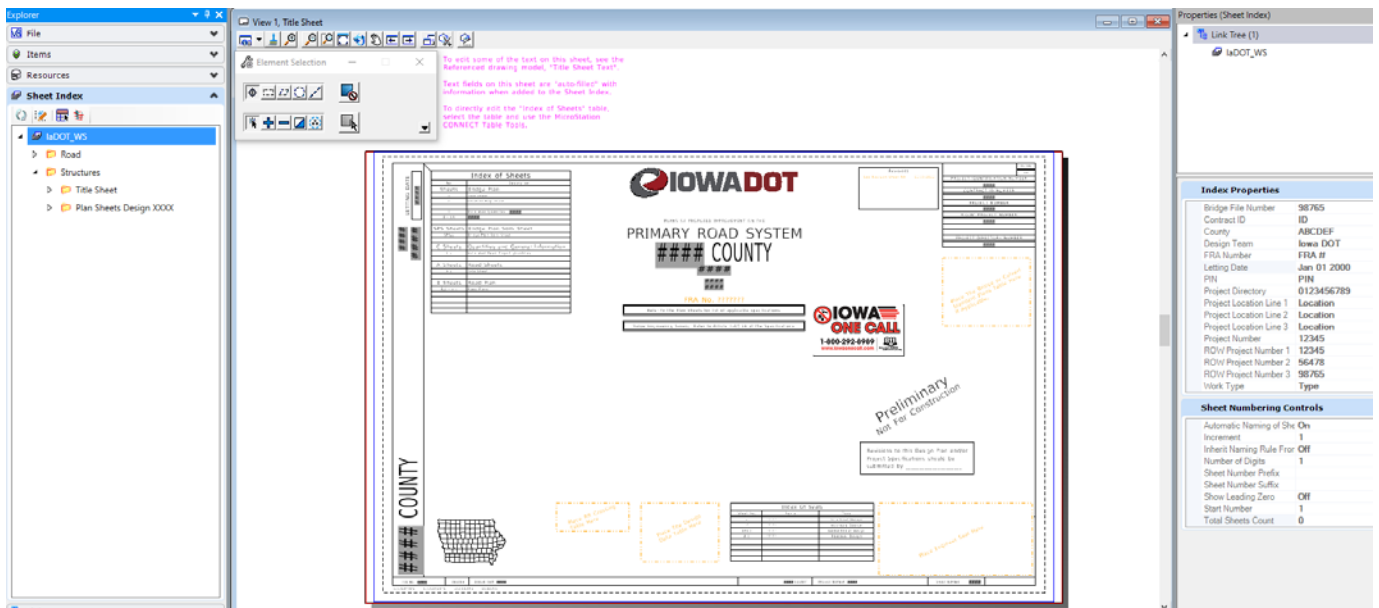


## Sheet Models in the Bridge Plan Production Seed file

The Title, Map, Bridge and Culvert sheet models contain instructions outside of the sheet border that provide guidance for editing the sheet Title Block and border information with regards to Addendum, Revision and Plan Sheet Number “V” sequencing.

Type	2D/3D	Name	Description	Sheet Number	Cell Type	
	<input type="checkbox"/>	ORD Design	ORD 2D Design Model			
	<input type="checkbox"/>	New Sheet Bridge	Bridge Plan Sheet Description/Title	000		
	<input type="checkbox"/>	New Sheet Culvert	Culvert Plan Sheet Description/Title	000		
	<input type="checkbox"/>	Map Sheet	Title Sheet Map	000		
	<input type="checkbox"/>	Title Sheet	Title Sheet	000		
	<input type="checkbox"/>	New Sheet Revision RA	Revision Sheet Design No. ????	000		
	<input type="checkbox"/>	Summary Sheet	Summary Quantities Sheet	000		
	<input type="checkbox"/>	Drawing	Drawing Model		Graphic	✓
	<input type="checkbox"/>	Map Sheet Text	Edit This for Map Sheet Data		Graphic	✓
	<input type="checkbox"/>	Title Sheet Text	Edit This for Title Sheet Data		Graphic	✓
	<input type="checkbox"/>	Summary Sheet Text	Edit This for Summary Sheet Data		Graphic	✓

The image below is showing the Title Sheet, sheet model in the **Bridge Plan Production Seed** file with instructional notes outside the sheet border.



The information for the **R.O.W. Project Number** Text Field may not be available to enter. If needed, the text element may be changed to the **TextNonPlot** level that will allow the text to display in the CADD file but will not print in the pdf output.

**NOTE: As of 10-24-2023 the CONTRACT ID NUMBER is no longer being placed on the Bridge Bureau Title Sheet. Therefore, this data field of the Sheet Index-Index Properties is not being used and is to be deleted if necessary.**

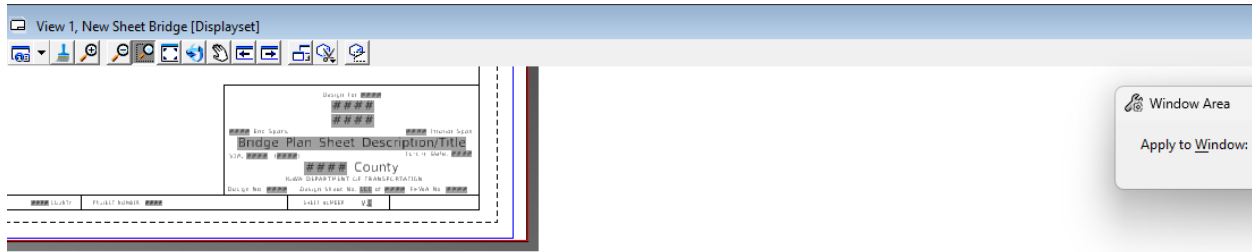
The screenshot displays a software interface for creating a title sheet. On the left, a 'Revisions' table is visible with one entry: 'See Revision Sheet RA' dated '12-31-2022'. The main area contains a grid of fields for project information: 'PROJECT IDENTIFICATION NUMBER', 'CONTRACT ID NUMBER' (which is crossed out with a red line), 'PROJECT NUMBER', 'R.O.W. PROJECT NUMBER', and 'PROJECT DIRECTORY NUMBER'. Each field contains a placeholder '#####'. Below this grid is a dashed box with the text 'Place The Bridge or Culvert Standard Plans Table Here'. On the right side, there are two panels: 'Index Properties' and 'Sheet Numbering Controls'. The 'Index Properties' panel lists various project details such as Bridge File Number (98765), Contract ID (ID), County (ABCDEF), Design Team (Iowa DOT), FRA Number (FRA #), Letting Date (Jan 01 2000), PIN, Project Directory (0123456789), Project Location Lines (Location), Project Number (12345), and R.O.W. Project Numbers (12345, 56478, 98765). The 'Sheet Numbering Controls' panel shows settings for automatic naming, increment (1), number of digits (1), sheet number prefix/suffix, and start number (1).

The Bridge and Culvert Plan sheet models are essentially the same with the exception that the Title Block in the Culvert sheet does not include the End Span and Interior Span Text Fields.

The image below is showing the Bridge Plan sheet model in the **Bridge Plan Production Seed** file.

The screenshot shows a 'Bridge Plan Sheet Description/Title' form. At the top, it says 'Design For' followed by a placeholder '#####'. Below this are two more placeholder lines '#####'. The main title area contains '##### End Spans' and '##### Interior Span' on either side of the main title 'Bridge Plan Sheet Description/Title'. Below the title are fields for 'STA. ##### (#####)' and 'Turn-in Date: #####'. The word 'County' is followed by a placeholder '#####'. Below this is the text 'IOWA DEPARTMENT OF TRANSPORTATION'. At the bottom, there are three rows of information: 'Design No. ##### Design Sheet No. 000 of ##### FHWA No. #####', a table with columns '##### COUNTY', 'PROJECT NUMBER #####', and 'SHEET NUMBER V.0', and a final row with 'SHEET NUMBER V.0'.

The image below is showing the Bridge Plan sheet model with instructional notes outside the sheet border.



**INSTRUCTIONS TO CADD USER (UPDATED JANUARY 2023):**  
 (It may be ideal to keep this Sheet Model as a template to copy for all new sheets as needed.)  
 Text fields in the border and Title Block are 'auto-filled' with information when added to the Sheet Index.  
 The text fields on this sheet are reading data from the Folder Properties of the "Plan Sheets Design" folder part in the Sheet Index (See Image 1).

When applicable, to show the "Addendum" cell in the lower right corner of plan sheet, turn on the level "SheetAddenda" (See Image 2).

The Sheet Number of Bridge Bureau plan sheets are now setup to use the "V" Sheet number at ALL TIMES. No longer using a differing Sheet Number for Bridge Bureau plans submitted separately versus plans submitted to Road Design Bureau as "V" sheets.  
 The updated Sheet Number "V.0" will auto sequence when added to the Sheet Index.

When applicable, to show the "Revised" text in the lower right box of the plan sheet border, turn on the level "SheetRevisedText" in the referenced file "Border.dgn". Also turn on the level "PC\_REVISION\_ANNOTATION" and the "Revised" cell will display vertically outside the border at the lower right corner (See Images 2 & 3). Edit the date in the cell accordingly.

**IN SEED FILES CREATED PRIOR TO JANUARY 2023, THE PREVIOUS STATEMENT WAS AS SHOWN BELOW:**  
 (When applicable, to show the "Addendum" cell in the lower right corner of plan sheet, turn on the level "SheetAddendum" in the referenced file "Border.dgn".)

(When applicable, to show the "Revised" text in the lower right box of the plan sheet border, turn on the level "SheetRevisedText" in the referenced file "Border.dgn".  
 Add "Revised" cell vertically outside the border at the lower right corner. Edit the date in the cell accordingly.)

Image 1

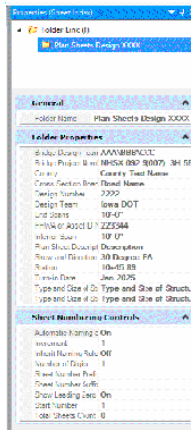


Image 2

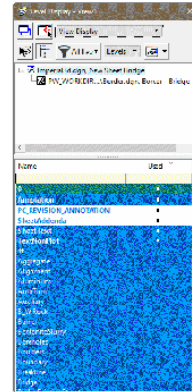
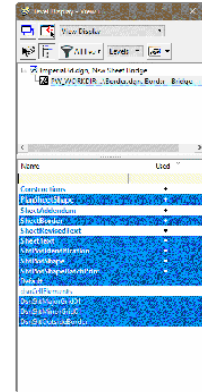
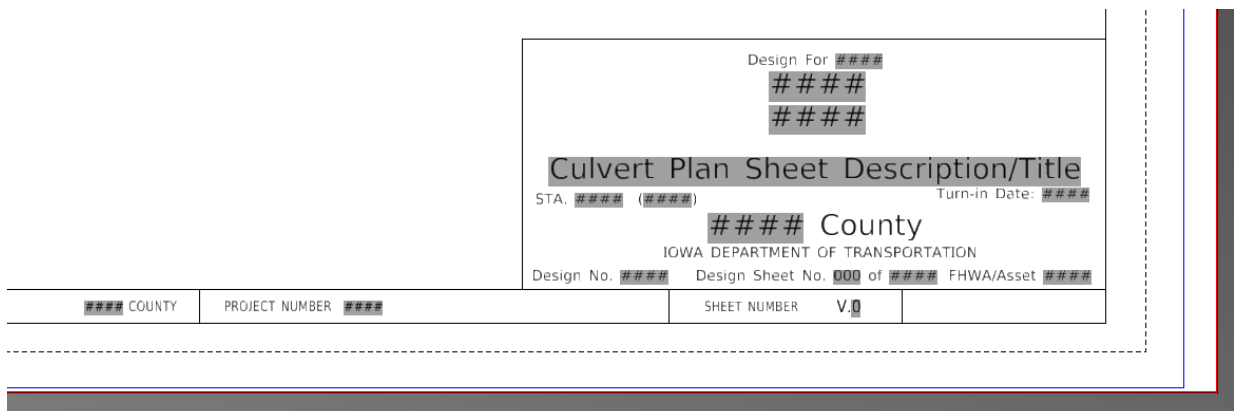


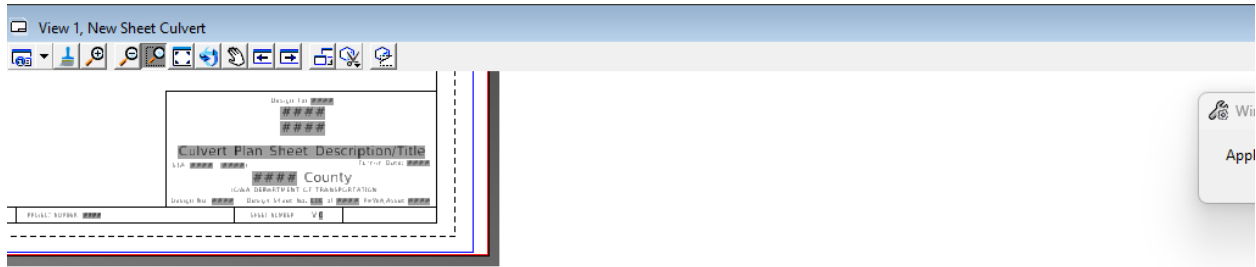
Image 3



The image below is showing the Culvert Plan sheet model in the Bridge Plan Production Seed file.



The image below is showing the Culvert Plan sheet model with instructional notes outside the sheet border.



**INSTRUCTIONS TO CADD USER (UPDATED JANUARY 2023):**  
 (It may be ideal to keep this Sheet Model as a template to copy for all new sheets as needed.)  
 Text fields in the border and Title Block are "auto-filled" with information when added to the Sheet Index.  
 The text fields on this sheet are reading data from the Folder Properties of the "Plan Sheets Design" folder part in the Sheet Index (See Image 1).

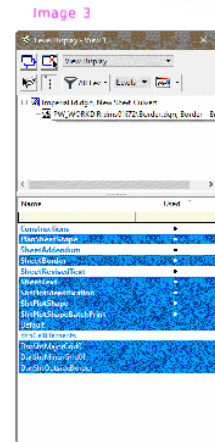
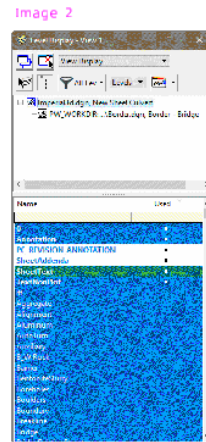
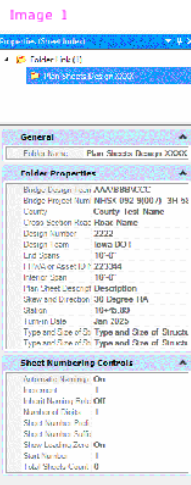
When applicable, to show the "Addendum" cell in the lower right corner of plan sheet, turn on the level "SheetAddenda" (See Image 2).

The Sheet Number of Bridge Bureau plan sheets are now setup to use the "V" Sheet number at ALL TIMES. No longer using a differing Sheet Number for Bridge Bureau plans submitted separately versus plans submitted to Road Design Bureau as "V" sheets.  
 The updated Sheet Number "V.0" will auto sequence when added to the Sheet Index.

When applicable, to show the "Revised" text in the lower right box of the plan sheet border, turn on the level "SheetRevisedText" in the referenced file "Border.dgn". Also turn on the level "PC\_REVISION\_ANNOTATION" and the "Revised" cell will display vertically outside the border at the lower right corner (See Images 2 & 3). Edit the date in the cell accordingly.

**IN SEED FILES CREATED PRIOR TO JANUARY 2023, THE PREVIOUS STATEMENT WAS AS SHOWN BELOW:**  
 (When applicable, to show the "Addendum" cell in the lower right corner of plan sheet, turn on the level "SheetAddendum" in the referenced file "Border.dgn".)

(When applicable, to show the "Revised" text in the lower right box of the plan sheet border, turn on the level "SheetRevisedText" in the referenced file "Border.dgn".  
 Add "Revised" cell vertically outside the border at the lower right corner. Edit the date in the cell accordingly.)





## Plan Sheets for Multiple County Projects in the Same Project Number

There will be scenarios where a project normally assigned to one county will have one or more structural Designs located in another(adjoining) county. When this happens the plan sheets for the adjoining counties will list both counties.

The Title Sheet will list all counties involved in the project.

The Detail Plan Sheets for the designs located in the Project Number Primary County listed in the Project Number will show only that county.

The Detail Plan Sheets for the designs located in the adjoining Design Number County (or secondary) to the county listed in the Project Number will show both counties.

The multiple county listing is explained with the following project example.

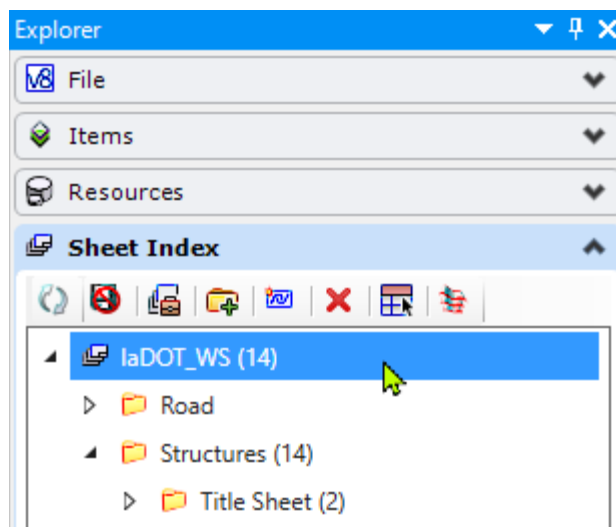
Example Project NHSX-218-3(090)- -3H-92 **Washington Co. Des. No. 1324** (Project Number Primary County) with **Johnson Co. Des. 1424** (the adjoining Design Number County, or secondary) tied to it.

The “Project Number Primary County”, in this example, is Washington Co. Des. No. 1324 and will be the only county shown in the Title Block and Sheet Border of the plan sheets, shown as **Washington**.

The adjoining “Design Number County”, in this example, Johnson Co. Des. 1424 will be shown in the Title Block and Sheet Border of the plan sheets as **Johnson (Washington)**.

**With the use of the Sheet Index to populate the Text Fields on the plan sheet, the County Text Field in the Sheet Index is used to provide the data in the Title Block as well as the Sheet Border.**

The image below is showing the location in the Sheet Index of the data used for the Title Sheet Text Fields.



The image below is showing the data in the Sheet Index Properties used for the Title Sheet Text Fields. The “Project Number Primary County” is for Washington County and the adjoining “Design Number County” (in this example, Johnson) is shown in parenthesis.

<b>Index Properties</b>	
Bridge File Number	<b>98765</b>
Contract ID	<b>ID</b>
County	<b>Washington(Johnson)</b>
Design Team	<b>Iowa DOT</b>
FRA Number	<b>FRA #</b>
Letting Date	<b>Jan 01 2000</b>
PIN	<b>PIN</b>
Project Directory	<b>0123456789</b>
Project Location Line 1	<b>Location</b>
Project Location Line 2	<b>Location</b>
Project Location Line 3	<b>Location</b>
Project Number	<b>NHSX-218-3(090)-3H-92</b>
ROW Project Number 1	<b>12345</b>
ROW Project Number 2	<b>56478</b>
ROW Project Number 3	<b>98765</b>
Work Type	<b>PPCB Bridge</b>


  

<b>Sheet Numbering Controls</b>	
Automatic Naming of	<b>On</b>
Increment	<b>1</b>
Inherit Naming Rule	<b>Off</b>
Number of Digits	<b>1</b>
Sheet Number Prefix	
Sheet Number Suffix	
Show Leading Zero	<b>Off</b>
Start Number	<b>1</b>
Total Sheets Count	<b>14</b>

The image below is showing an example of the Title Sheet Text Fields after editing of the Sheet Index. (For this example, only the County and Project Numbers were edited in the Sheet Index. Due to lengthy county names, the vertical text on the left sheet border may have to be narrowed.)

LETTING DATE  
 APR 15 2023  
 PPCB Bridge  
 NHSX-218-31090--3H-92  
 Washington (Johnson) COUNTY

Index of Sheets	
No.	Description
<b>Sheets</b>	
01	Bridge Plan
02	Table Sheet
03	Location Map Sheet
<b>SPS Sheets</b>	
04	BRIDGE LOCATIONS - BRIDGE #999
05	BRIDGE SHEET
<b>Road Sheets</b>	
06	Road Plan
07	Road Plan
08	SPS BRIDGE LOCATIONS - BRIDGE
09	STANDARD ROAD PLAN
10	BRIDGE LOCATIONS - BRIDGE LOCATED



PLANS FOR PROPOSED IMPROVEMENT ON THE  
**PRIMARY ROAD SYSTEM**  
**Washington (Johnson) COUNTY**  
**PPCB Bridge**

Location  
 Location

FRA No. ????????

Refer to the Plan Sheets for list of applicable specifications.  
 Refer to the Engineering Services Manual for details regarding all of the Specifications.

Revised

When Applicable, place  
 the Crossing Table Here.

When Applicable,  
 Place Standard Road  
 Plan Table Here.

Place the Urban or Rural  
 Design Data Table Here

Index Of Seals		
Sheet No.	Name	Sign
01	PPCB	PPCB-01-01
02	Table	Table-02-01
03	Location Map	Location-03-01
04	BRIDGE LOCATIONS	BRIDGE-04-01
05	BRIDGE SHEET	BRIDGE-05-01
06	Road Plan	RoadPlan-06-01
07	Road Plan	RoadPlan-07-01
08	SPS BRIDGE LOCATIONS	SPS-08-01
09	STANDARD ROAD PLAN	STANDARD-09-01
10	BRIDGE LOCATIONS	BRIDGE-10-01

Preliminary  
 Not For Construction

Revisions to the  
 Project Specific  
 submitted by

Page 19 of 21

The image below is showing the Sheet Index Properties and the data used for the detail plan sheets specific to "Project Number Primary County", Washington Co. Design 1324. This is used for the Title Block and Sheet Border Text Fields.

General	
Folder Name	Washington Design 1324
Folder Properties	
Bridge Design Team	JS\PES\JM
Bridge Project Number	NHSX-218-3(090)-3H-92
County	Washington
Cross Section Road Name	US 218
Design Number	1324
Design Team	Iowa DOT
End Spans	35'-9"
FHWA or Asset ID Number	604570
Interior Span	51'-6"
Plan Sheet Description	Description
Skew and Direction	15 Degree LA
Station	38+04.00
Turn-in Date	Feb. 2024
Type and Size of Structure 1	123'-0" x 40'-0" Pretensioned
Type and Size of Structure 2	Prestressed Concrete Beam Bridge
Sheet Numbering Controls	
Automatic Naming of Sheet	On
Increment	1
Inherit Naming Rule From P	Off
Number of Digits	1
Sheet Number Prefix	
Sheet Number Suffix	
Show Leading Zero	On
Start Number	1
Total Sheets Count	1

The image below is showing the Title Block and Sheet Border for the Project Number County entry, actively reading data from the Sheet Index "County" field.

Design For 15 Degree LA 123'-0" x 40'-0" Pretensioned Prestressed Concrete Beam Bridge 35'-9" End Spans 51'-6" Interior Span Bridge Plan Sheet Description/Title STA. 38+04.00 (US 218) Turn-in Date: Feb. 2024 Washington County IOWA DEPARTMENT OF TRANSPORTATION Design No. 1324 Design Sheet No. 1 of 1 FHWA No. 604570		
Washington COUNTY	PROJECT NUMBER NHSX-218-3(090)-3H-92	SHEET NUMBER V.14

The image below is showing the Sheet Index Properties and the data used for the detail plan sheets specific to Johnson Co. Design 1424. Since the Project Number is for Washington County, and the Johnson County Design is part of the Washington County Project, then Washington is in parenthesis only on the Johnson County detail plan sheets. This is used for the Title Block and Sheet Border Text Fields.

General	
Folder Name	Johnson Design 1424
Folder Properties	
Bridge Design Team	JS\PES\JM
Bridge Project Number	NHSX-218-3(090)-3H-92
County	Johnson (Washington)
Cross Section Road Name	US 218
Design Number	1424
Design Team	Iowa DOT
End Spans	85'-9"
FHWA or Asset ID Number	604900
Interior Span	91'-6"
Plan Sheet Description	Description
Skew and Direction	15 Degree LA
Station	124+92.00
Turn-in Date	Feb. 2024
Type and Size of Structure 1	263'-0" x 40'-0" Prestensioned
Type and Size of Structure 2	Prestressed Concrete Beam Bridge
Sheet Numbering Controls	
Automatic Naming of Sheet	On
Increment	1
Inherit Naming Rule From Parer	Off
Number of Digits	1
Sheet Number Prefix	
Sheet Number Suffix	
Show Leading Zero	On
Start Number	1
Total Sheets Count	1

The image below is showing the Title Block and Sheet Border with a multiple county entry, actively reading data from the Sheet Index "County" field.

Design For 15 Degree LA 263'-0" x 40'-0" Prestensioned Prestressed Concrete Beam Bridge 85'-9" End Spans      91'-6" Interior Span Bridge Plan Sheet Description/Title STA. 124+92.00 (US 218)      Turn-in Date: Feb. 2024 Johnson (Washington) County IOWA DEPARTMENT OF TRANSPORTATION Design No. 1424      Design Sheet No. 1 of 1      FHWA No. 604900		
Johnson (Washington) COUNTY	PROJECT NUMBER NHSX-218-3(090)-3H-92	SHEET NUMBER V.13