Placing Pipe X-section Sheets into Sheet Index File

These instructions were created April 2024. These instructions were created with:



OpenRoads Designer CE - 2022 Release 3 Update 12 Version 10.12.02.4

This product is licensed to:

When creating sheet files, the sheet border information will have text fields that are set up to work with the **IaDOT_WS.dgnws** Sheet Index file. This file is in the **ProjectResources\Workset** folder of every Bridge Project Directory. The IaDOT_WS.dgnws Sheet Index file is specific to each WorkArea that it resides in. The Sheet Models are added to the Sheet Index to autofill the text fields. To do this, access the Sheet Index thru the Project Explorer.

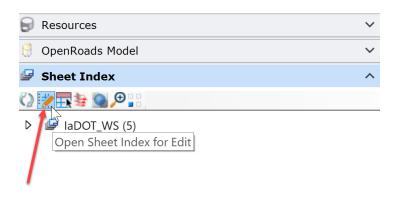
Note: The Sheet Index can only be edited by one User at a time. Also keep in mind, that the index file will be used by anyone making sheets in that directory.



Project Explorer displays the Sheet Index as shown below:

Items Resources Sheet Index Image: and Utilities Model	Exp	orer	4 ×
 Sheet Index 	M	File	~
 Sheet Index 	Ŷ	Items	~
 Sheet Index 	8	Resources	~
 IaDOT_WS (5) IaDOT_WS (5) Inks OpenRoads Standards Drainage and Utilities Model 	8	OpenRoads Model	~
 ▶ IaDOT_WS (5) ▶ ▶ ▶ ■ ■	P	Sheet Index	^
Inks > OpenRoads Standards > Drainage and Utilities Model >	0	🎾 🔜 🗩 📲 🔎	
 E Links ✓ OpenRoads Standards ✓ Drainage and Utilities Model ✓ 	D	🕼 IaDOT_WS (5)	
 E Links ✓ OpenRoads Standards ✓ Drainage and Utilities Model ✓ 		\triangleright	
OpenRoads Standards OpenRoads Standards Drainage and Utilities Model V <liv< li=""> V V V</liv<>			
OpenRoads Standards OpenRoads Standards Drainage and Utilities Model V <liv< li=""> V V V</liv<>			
OpenRoads Standards OpenRoads Standards Drainage and Utilities Model V <liv< li=""> V V V</liv<>			
OpenRoads Standards OpenRoads Standards Drainage and Utilities Model V <liv< li=""> V V V</liv<>			
OpenRoads Standards OpenRoads Standards Drainage and Utilities Model V <liv< li=""> V V V</liv<>			
OpenRoads Standards OpenRoads Standards Drainage and Utilities Model V <liv< li=""> V V V</liv<>			
OpenRoads Standards OpenRoads Standards Drainage and Utilities Model V <liv< li=""> V V V</liv<>			
OpenRoads Standards OpenRoads Standards Drainage and Utilities Model V <liv< li=""> V V V</liv<>			
OpenRoads Standards OpenRoads Standards Drainage and Utilities Model V <liv< li=""> V V V</liv<>			
OpenRoads Standards OpenRoads Standards Drainage and Utilities Model V <liv< li=""> V V V</liv<>			
OpenRoads Standards OpenRoads Standards Drainage and Utilities Model V <liv< li=""> V V V</liv<>			
OpenRoads Standards OpenRoads Standards Drainage and Utilities Model V <liv< li=""> V V V</liv<>			
Justice Provided Prov			~
	-		
👌 Survey 🗸 🗸	e	Drainage and Utilities Model	~
	θ	Survey	~

Open the Sheet Index for editing, click on the Open Sheet Index for Edit 💹 button.

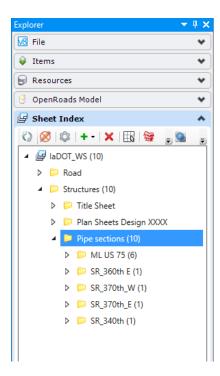


Next, add the folders that the sheets will reside in. Typically, the process is to create a folder for the Pipe sections. Then make subfolders for each cross-section group, alignment.

To add a folder, click on the Structures folder to highlight then click on the create folder $\stackrel{\bullet\bullet\bullet}{\longrightarrow}$ button. Select New Folder.



Once all the folders needed are added it should look something like this:

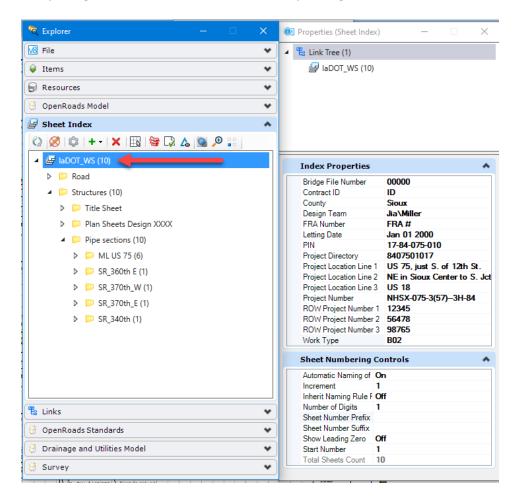


Next, set the Index Properties at the index level. Click on the **IaDOT_WS** in the Sheet Index Explorer to highlight and open the Properties window.

Edit the following text fields:

- Bridge File Number
- County
- Design Team (e.g., Iowa DOT or Consultant Name)
- PIN#
- Project Directory
- Project Location line 1,2,3
- Project Number
- Work Type

Completing these values will fill out the corresponding text fields in the Border.

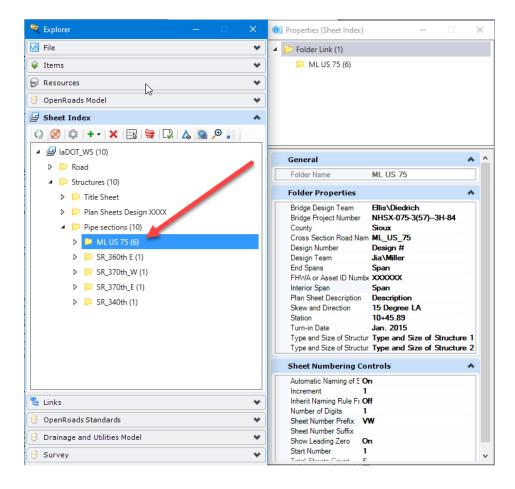


Next, set the text fields that are cross section specific for each cross-section group. To do this, select the folder created earlier for each cross section group in Project Explorer to highlight and open the Folder Properties.

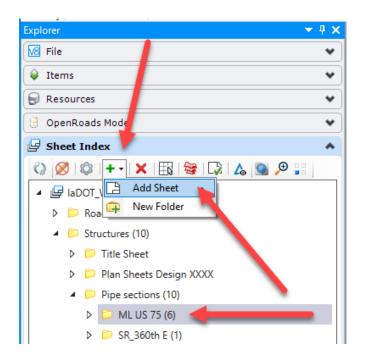
Edit the following text fields:

- Bridge Design Team
- Bridge Project Number
- County
- Cross Section Road Name
- Design Team (e.g., Iowa DOT or Consultant Name)
- Sheet Number Prefix

Note: The Mainline sheets number prefix are set as VW sheet number prefix. Sideroads sheets are set as VX sheet number prefix only if one sideroad is in the project. If multiple sideroads are in a project, then the first sideroad of the project will have a sheet number prefix VX1, then VX2 and so on thru the project. If interchange ramp sheets are made the sheet number prefix for them are VY.



Once the folders are created for the cross-section groups, then add the sheets to the correct folders. Select the folder that the sheet will reside in and click on the Add Sheet button.



The Add Sheet dialog box will open. Browse to select the DGN file that the sheet is in.

ct		
Documents		
Folder 10 (61)_Preliminary Engineering	~] 🗕 🔰 🚟 🧮
A		~
Name	Description	Out to
Enter text here	The first text here	Y Enter t
CC-RRRS-PPP_Shop Drawings		
DOT 🖉		
ProjectResources		
V Sketches		
ATZ-CORP SHT 86063060 0127 900640 CIP Z05.dqn	12X8 RCB extend outlet CIF	
<pre>/ III SHT_86063060_0127_900640_PC_Z05.dgn</pre>	12X8 RCB extend outlet Pre	
SHT_86063060_0327_900645_CIP_Z05.dgn	8X5 RCB extend inlet CIP	
SHT_86063060_0327_900645_PC_Z05.dgn	8X5 RCB extend inlet Preca	st
SHT_86063060_DOT_PIPE_CULVERTS_Z05.dgn	Pipe X Section sheets	
	2	
<	48	
Application: All Applications		
Add	Remove	
Selected Documents		
Name	Description	Out to
	Y Enter text here	Enter text 🍸 Enter
Enter text here		
Enter text here		

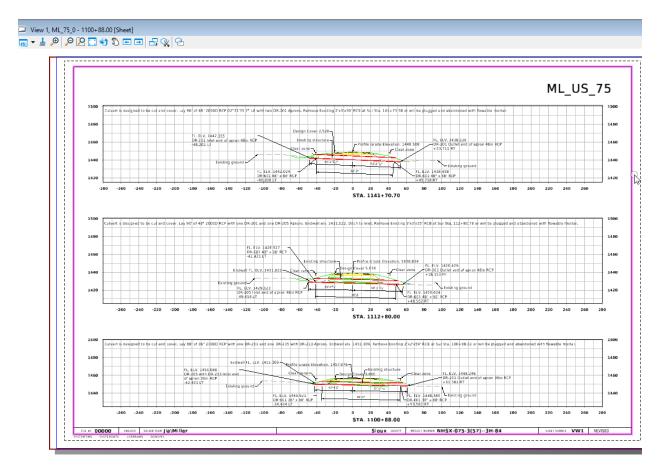
Click the Add button. Then click the OK button.

A list of available sheets will display. Select the sheet that will reside in the cross section folder selected. **Note:** The Add Sheet list will only show Sheet Models that are not part of any Sheet Index. A Sheet Model is only allowed to be assigned to one Sheet Index, not multiple indexes. If the sheet needed is not listed make sure it is not allready in another index.

Add Sheet	×
🔺 🚾 c:\pw_work\pwmain\ediedri\d10906	50\OR
🕒 STA 1774+79.60 [Sheet]	
	Ļ

Once the sheet models have been added to each of the folders, then check the sheets for any errors. If all text fields and sheets look good, then check in the sheet index and print.

It sould look something like this:



To print the cross-section sheets, click on the Open Print Organizer tool located at the top of the Sheet Index.

Explorer	▼ ₽ ×	View 1, ML_075 - 1091+5
😡 File	*	
😝 Items	*	
😝 Resources	*	
🔮 OpenRoads Model	*	
🔄 Sheet Index	*	
 Image: A state of the state of		
		1500 - Cuivert is de

It will open this Select Print Style dialog box. Select the CLR_overrides_ColorRaster print style. Then click OK.

Select Print Style	×	
Print Style Name Print Style Name Printer BW_pdf_SheetModel CLR_as_is_pdf_SheetModel CLR_overrides_ColorRast CLR_overrides_pdf_Sheet CLR_overrides_SmallRast	lowaDOT_PrintStyles.dgnlib lowaDOT_PrintStyles.dgnlib	
	OK Cancel	

Next, it will open the Print Organizer. Select the parent folder to the sheets that are needed to print. For this example, it is the Pipe sections folder.

📢 IaDOT_WS.pset - Print Organizer				-	
File Edit View Tools					
i 📮 📛 🚔 🖳 🚔 😘	X 01 🗖 🔨 🗙	✓ ⊻ 🖽 • 🛱			
 IaDOT_WS Road Structures Plan Sheets Design XXXX Plan Sheets Design XXXX SR_300h E SR_370h_W SR_370h_E SR_340h 	Name ML US 75 SR_360th E SR_370th_W SR_370th_E SR_340th	File Name	Model	Print Style	View Group
	<				>
			11x17_pdf_Color_R	aster.pltcfg 5 iten	ns (0 selected)

Click on the print tool at the top of the Print Organizer.

				,	
laDOT_WS.pset - Print Organizer				-	- 🗆 X
File Edit View Tools					
📮 🚍 🖳 🖳 🖓 🖙 🗞	X 🛯 🔁 🔨 🗙	✓ ⊻ 🗄 • 🛱	P		
 IaDOT_WS Road Structures Plan Sheets Denon XXXX Plan Sheets Denon XXXX SR_300h E SR_370h_W SR_370h_E SR_370h_E SR_340h 	Name ML US 75 SR 360h E SR 370h-W SR 370h_E SR 370h_E	File Name	Model	Print Style	View Group
	<				>
			11x17 pdf Color R	aster.pltcfg 5	items (0 selected)

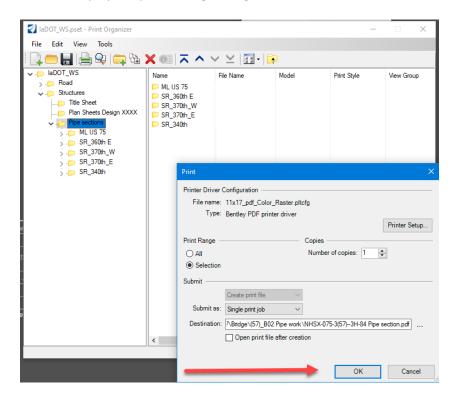
Value - Print Organizer					- 🗆 X
File Edit View Tools					
					_
	× 💷 🔁 🔨		1		
v .p laDOT_WS > .p Road	Name	File Name	Model	Print Style	View Group
Structures	SR_360th E				
Plan Sheets Design XXXX	SR_370th_W SR 370th E				
V IP Pipe sections	SR_340th				
> ML US 75					
SR_370th_W					
> .[= SR_370th_E >[= SR_340th	Print				×
5					^
		ver Configuration —			
		me: 11x17_pdf_Colo			
		/pe: Bentley PDF prir	nter driver		Printer Setup
F	B. 10		Copi		Trinter Setup
	Print Rang	e		mber of copies: 1	*
	All Selec	tion	Nu	inder of copies.	•
	Submit -	uon			
	Submit -	0 1 110			
i		Create print file	~		
þ	Submit		~		
	Destina	tion: rojects\8407501		802 Pipe work \out \\la	DOT_WS.pdf
	<	Open print fil	e after creation		1
				ОК	Cancel

It will open the print dialog box. Click on the three dots at the end of the Destination.

It will open the Save Output File dialog box. Name it with the project number and pipe sections Complete the description as Pipe x sections and set the format to pdf. Then click Save.

🛃 IaDOT_WS.pset - Print Organ	nizer				-	- x
File Edit View Tools						
: 📮 📛 💾 😫 🗣 i 🖕	📮 🔁 🗙 💷	~ ^	✓ ≚ 📅 • [P		
	Name ▷ ML U ▷ SR_ ▷ SR_ ▷ SR_ ▷ SR_	360th E 370th_W 370th_E	File Name	Model	Print Style	View Group
SR_370th_W	Save Output File		-			×
5	General					×
	Folder				Sa	ve
	(57)_B02 Pip	e work		Select	Can	ncel
	Document					
	Name:	NHSX-075-3	(57)3H-84 Pipe sectio	on.pdf	-	Setup
	Description:	Pipe x Sectio	ons 🧹			
	File Name:	NHSX-075-3	(57)3H-84 Pipe sectio	on.pdf		
	Format:	pdf		Format		
	Application:		Department:		_	
	Acrobat PDF		<none></none>		~	#
	<			e atter creation		
					ОK	Cancel
					UK.	Gancel

This will display the print dialog box again. Then click OK.

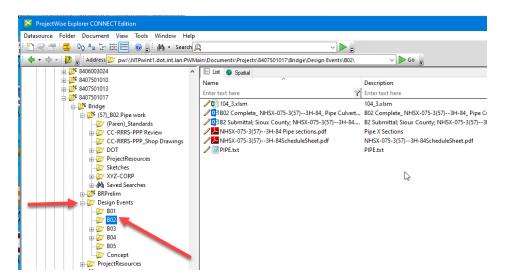


Once it is done making the pdf, it should appear in the same directory that the SHT file resides in.

ProjectWise Explorer CONNECT Edition	
Datasource Folder Document View Tools Window Help	
🕴 🎦 😪 😤 🚑 🗛 💁 🖫 🇱 🧮 🎯 🖕 🖓 🕶 Search 👰	
🕴 💠 👻 🚽 🚺 🖕 🗄 Address 🖊 pw:\\NTPwint1.dot.int.lan:PWMai	in\Documents\Projects\8407501017\Bridge\(57)_B02 Pipe work\NHSX-075-3(! 🗸 🕨 🖕 Go 🖕
	Unt Spatial Name Description Enter text here Enter text here DC CRRS-PPP Review CCRRS-PPP Shop Drawings DC CCRRS-PPP Shop Drawings DOT DrojectResources Sketches Dr XVZ-CORP NHSX-075-3(57)3H-84 Pipe section.pdf Pipe x Sections Pipe x sections

Review the file to make sure it is correct.

Move it to the Design Events subfolder under B02.



This is the subfolder location for the finished ASCII input file and Schedule Sheet that will be created from the pipe database. This will be covered in <u>PW06_Entering Pipe and Structure Information into the Access Database</u>