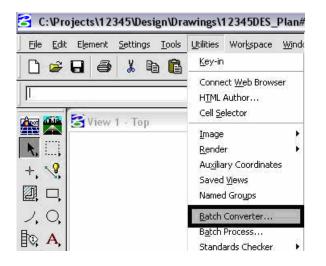
CDOT Level Update for V03.02



This document guides you through updating the MicroStation levels that were changed, deleted, and renamed from the Configuration Releases prior to V03.02. All drawing files created under the V03.01 and prior Configuration Releases will need to be updated to the current CDOT standard levels. See CDOT Configuration Readme.pdf file located in the level library section.

Converting Levels in MicroStation as a Batch Routine

- 1. From the MicroStation Manager, Open a drawing file
- 2. It is recommended that a new project folder is created for the translated data to insure the original project data is not lost. Using the same JPC# number appended with a "– (initials)". Once the data is verified the original data can be backed up to disc and deleted. The "–(initials)" then can be dropped from the project folder. The example used for this workflow will be 12345-NLJ.
- 3. Select Utilities > Batch Converter.



4. Change the **Default Destination** to the temporary project folder.

Eile Edit Image: Selection Only Image: Selection Only Default Output Format V8	
	Apply to Selection
Default Destination c:\projects\12345	
Conversion Tasks	Browse for Destination
to Destin	ation

5. *Navigate* to the temporary project folder and <D> OK.

<u>D</u> irectory:		
c:\projects\		
🗁 c:\	-	
projects		
12345-NLJ		
3601_High-Plains	_	
Batch Processes Bentley		
BHI		
🛅 CDOT		
Downloads		<u>0</u> K
D Johnsons		01
🛅 Manuals	<u> </u>	Cancel
Drives:		

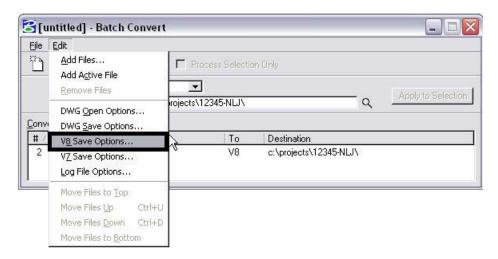
6. **<D>** the Add Files or Directories to Convert icon.

[untitled] - Batch Convert File Edit				
	Process Selection	n Only		
Default Outpu <mark>Add Files or Direc</mark> Default Destination C:\projec		9 2	<u> </u>	Apply to Selection
# / Source	To	Destination		

Using the Add Files or Directories dialog box, *files* or *entire directories* can be added to the list of Selected Files to be processed. Check *On* Include Subdirectories prior to specifying entire folders to a convert process. <D> to highlight the folder name, then <D> Add. <D> Done when you are finished adding files and/or folders.

Fijles:	Directories: c:\projects\		
	C. Cropects		Done
	📄 Manuals	_	Cancel
List Files of <u>T</u> ype:	Drives:		Help
DGN Files [*,dgn]	▼	-	<u> </u>
Selected Files	Include Subdirectories		
c:\projects\12345*\			<u>A</u> dd
			Remove

8. Select Edit > V8 Save Options... from the Batch Convert dialog box



9. In the Save As V8 Options dialog box, <D> the Browse for CSV remapping file icon. A standard CSV file is located in the configuration which is already set up to remap all of the previous versions' levels to the standard CDOT MicroStation V03.00 levels.

Save As V8 Options		
Remap References Filter	1	
CSV File	<u>्</u> र 🛛 🖾	
 Apply Level Mapping Apply Font Mapping Apply Line Style Mapping Apply Color Mapping Apply Weight Mapping 	Browse for CSV remapping) file
<u>D</u> K Cancel		

 If not already there, browse to C:\Program Files\Workspace-CDOT\Standards-Global\MicroStation\Tables\Level_Translation. Select the file V0302_Level_Update.csv. <D> OK.

Select Remapping CSV File		
<u>F</u> ile <u>D</u> irectory		
Files: V0302_Level_Update.csv	Directories: \Tables\Level_Translation\	
V0302_Level_Update.csv	C:\ Program Files Workspace-CDOT Standards-Global MicroStation Tables Level_Translation	<u>0</u> K
List Files of Type:	, Drives:	Cancel
Remapping Files [*.csv]		Help

11. In the Save As V8 Options dialog box, check on the option to Apply Level Mapping. <D> OK.

Save As V8 Options Remap References Filter	
CSV File V0302_Level_Update.csv	Q № ?⊔
<u>O</u> K Cancel	

12. <D> the Process Batch Convert Job icon when all files and directories have been added to the conversion tasks list.

<u>E</u> dit			
) 🗃 🖬 🗞 🗙 🜆 🗖	Process Selectio	m Only	
Default Output Format MProcess	- Patch Convert 1	loh	22
		<u> </u>	Apply to Sel
Default Destination C:\projec	ts\12345-NLJ\	q	-
nversion Tasks			
Inversion Fidalka			
V Source	To	Destination	

13. **<D> Convert**.

# /	Source Fo	ormat	Destination To	Stal	tus	Time	
1	c:\projects\12345\Bridge\Dr\12345BRDG_Model.c V8	8	c:\projects\12345-NLJ\Brid\12345BRDG_Model.dg V7	Per	nding		
2	c:\projects\12345\Bridge\Dra\12345BRDG_Prof.dc V8	8	c:\projects\12345-NLJ\Bridg\12345BRDG_Prof.dgr V7	7 Per	nding		
3	c:\projects\12345\Bri\CU12345BRDG_Model.dgn V8	8	c:\projects\12345-NLJ\\CU12345BRDG_Model.dgi V7	7 Per	nding		
4	c:\projects\12345\Br\CU12345BridgeModel01.dgn_V8	8	c:\projects\12345-N\CU12345BridgeModel01.dgn V7	Per	nding		
5	c:\projects\12345\Constr\12345CONST_SAQ01.rd V8	8	c:\projects\12345-NLJ\Con\12345CONST_SAQ01. V7	Per	nding		
6	c:\projects\123\12345DES_EarthworkQuant.dgn V8	8	c:\projects\1234\12345DES_EarthworkQuant.dgn_V7	7 Per	nding		
7	c:\projects\12345\Des\12345DES_GenINote.dgn V8	8	c:\projects\12345-NLJ\\12345DES_GenINote.dgn_V7	Per	nding		
8	c:\projects\12345\Design\12345DES_Plan##.dgn_V8	8	c:\projects\12345-NLJ\De\12345DES_Plan##.dgn V7	7 Per	nding		
9	c:\projects\12345\Design\12345DES_Plan01.dgn_V8	8	c:\projects\12345-NLJ\De\12345DES_Plan01.dgn_V7	Per Per	nding		
10	c:\projects\12345\Design\12345DES_Plan02.dgn_V8	8	c:\projects\12345-NLJ\De\12345DES_Plan02.dgn_V7	Per	nding		
11	c:\projects\12345\Design\12345DES_Plan03.dgn_V8	8	c:\projects\12345-NLJ\De\12345DES_Plan03.dgn_V7	7 Per	nding		
12	c:\projects\12345\Design\12345DES_Plan04.dgn_V8	8	c:\projects\12345-NLJ\De\12345DES_Plan04.dgn_V7	Per Per	nding		
13	c:\projects\12345\Design\12345DES_Plan05.dgn_V8	8	c:\projects\12345-NLJ\De\12345DES_Plan05.dgn_V7	Per	nding		
14	c:\projects\12345\Design\12345DES_Plan06.dgn_V8	8	c:\projects\12345-NLJ\De\12345DES_Plan06.dgn_V7	7 Per	nding		
15	c:\projects\12345\Design\12345DES_Plan07.dgn_V8	8	c:\projects\12345-NLJ\De\12345DES_Plan07.dgn_V7	Per Per	nding		
16	c:\projects\12345\Design\12345DES_Plan08.dgn_V8	8	c:\projects\12345-NLJ\De\12345DES_Plan08.dgn_V7	7 Per	nding		
17	c:\projects\12345\Design\12345DES_Plan09.dgn_V8		c:\projects\12345-NLJ\De\12345DES_Plan09.dgn_V7	7 Per	nding		
8	c:\projects\12345\Design\12345DES_Plan10.dgn_V8	8	c:\projects\12345-NLJ\De\12345DES_Plan10.dgn_V7	Per Per	nding		
19	c:\projects\12345\Design\12345DES_Plan11.dgn_V8	8	c:\projects\12345-NLJ\De\12345DES_Plan11.dgn_V7	Per	nding		
20	c:\projects\12345\Design\12345DES_Plan12.dgn_V8	8	c:\projects\12345-NLJ\De\12345DES_Plan12.dgn_V7	7 Per	nding		
21	c:\projects\12345\Design\12345DES_Plan13.dgn_V8	8	c:\projects\12345-NLJ\De\12345DES_Plan13.dgn V7	Per	nding		
22	c:\projects\12345\Design\12345DES_Plan14.dgn_V8	8	c:\projects\12345-NLJ\De\12345DES_Plan14.dgn_V7	Per	nding		
23	c:\projects\12345\Design\12345DES_Plan15.dgn_V8	8	c:\projects\12345-NLJ\De\12345DES_Plan15.dgn_V7	7 Per	nding		
24	c:\projects\12345\Design\12345DES_Plan16.dgn_V8	8	c:\projects\12345-NLJ\De\12345DES_Plan16.dgn_V7	Per Per	nding		
25	c:\projects\12345\Design\12345DES_Plan17.dgn_V8	8	c:\projects\12345-NLJ\De\12345DES_Plan17.dgn_V7	Per	nding		
26	c:\projects\12345\Design\12345DES_Plan18.dgn_V8	8	c:\projects\12345-NLJ\De\12345DES_Plan18.dgn_V7	Per Per	nding		
27	c:\projects\12345\Design\12345DES_Plan19.dgn_V8		c:\projects\12345-NLJ\De\12345DES_Plan19.dgn V7		nding		
28	c:\nmients\12345\Design_\12345DES_Plan20.don_V8	8	c:\nroiects\12345-NLI\De_\12345DES_Plan20.don_V7	7 Per	ndina		

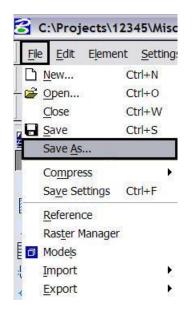
- 14. The conversion process runs and the status column will be updated from *Pending* to *Converted* once completed.
- 15. When all the files have been converted **<D> Done**.

# /	Source Forma	t Destination To	Status	Time	
1	c:\projects\12345\Bridge\Dr\12345BRDG_Model.c V8	c:\projects\12345-NLJ\Brid\12345BRDG_Model.dc V7	Converted	0.3	
2	c:\projects\12345\Bridge\Dra\12345BRDG_Prof.dg V8	c:\projects\12345-NLJ\Bridg\12345BRDG_Prof.dgr V7	Converted	0.0	
3	c:\projects\12345\Bri\CU12345BRDG_Model.dgn_V8	c:\projects\12345-NLJ\\CU12345BRDG_Model.dgi V7	Converted	0.2	
4	c:\projects\12345\Br\CU12345BridgeModel01.dgn_V8	c:\projects\12345-N\CU12345BridgeModel01.dgn V7	Converted	0.1	
5	c:\projects\12345\Constr\12345CONST_SAQ01.rd V8	c:\projects\12345-NLJ\Con\12345CONST_SAQ01. V7	Converted	0.1	
6	c:\projects\123\12345DES_EarthworkQuant.dgn V8	c:\projects\1234\12345DES_EarthworkQuant.dgn_V7	Converted	0.2	
7	c:\projects\12345\Des\12345DES_GenINote.dgn V8	c:\projects\12345-NLJ\\12345DES_GenINote.dgn_V7	Converted	0.2	
В	c:\projects\12345\Design\12345DES_Plan##.dgn_V8	c:\projects\12345-NLJ\De\12345DES_Plan##.dgn V7	Converted	0.1	
9	c:\projects\12345\Design\12345DES_Plan01.dgn_V8	c:\projects\12345-NLJ\De\12345DES_Plan01.dgn_V7	Converted	0.3	
0	c:\projects\12345\Design\12345DES_Plan02.dgn_V8	c:\projects\12345-NLJ\De\12345DES_Plan02.dgn_V7	Converted	0.3	
1	c:\projects\12345\Design\12345DES_Plan03.dgn_V8	c:\projects\12345-NLJ\De\12345DES_Plan03.dgn_V7	Converted	0.2	
2	c:\projects\12345\Design\12345DES_Plan04.dgn_V8	c:\projects\12345-NLJ\De\12345DES_Plan04.dgn_V7	Converted	0.2	
3	c:\projects\12345\Design\12345DES_Plan05.dgn_V8	c:\projects\12345-NLJ\De\12345DES_Plan05.dgn_V7	Converted	0.2	
4	c:\projects\12345\Design\12345DES_Plan06.dgn_V8	c:\projects\12345-NLJ\De\12345DES_Plan06.dgn_V7	Converted	0.2	
5	c:\projects\12345\Design\12345DES_Plan07.dgn_V8	c:\projects\12345-NLJ\De\12345DES_Plan07.dgn_V7	Converted	0.2	
6	c:\projects\12345\Design\12345DES_Plan08.dgn_V8	c:\projects\12345-NLJ\De\12345DES_Plan08.dgn_V7	Converted	0.2	
7	c:\projects\12345\Design\12345DES_Plan09.dgn_V8	c:\projects\12345-NLJ\De\12345DES_Plan09.dgn_V7	Converted	0.3	
8	c:\projects\12345\Design\12345DES_Plan10.dgn_V8	c:\projects\12345-NLJ\De\12345DES_Plan10.dgn_V7	Converted	0.2	
9	c:\projects\12345\Design\12345DES_Plan11.dgn_V8	c:\projects\12345-NLJ\De\12345DES_Plan11.dgn_V7	Converted	0.2	
0	c:\projects\12345\Design\12345DES_Plan12.dgn_V8	c:\projects\12345-NLJ\De\12345DES_Plan12.dgn_V7	Converted	0.2	
1	c:\projects\12345\Design\12345DES_Plan13.dgn_V8	c:\projects\12345-NLJ\De\12345DES_Plan13.dgn_V7	Converted	0.2	
2	c:\projects\12345\Design\12345DES_Plan14.dgn_V8	c:\projects\12345-NLJ\De\12345DES_Plan14.dgn_V7	Converted	0.2	
3	c:\projects\12345\Design\12345DES_Plan15.dgn_V8	c:\projects\12345-NLJ\De\12345DES_Plan15.dgn_V7	Converted	0.2	
4	c:\projects\12345\Design\12345DES_Plan16.dgn_V8	c:\projects\12345-NLJ\De\12345DES_Plan16.dgn_V7	Converted	0.2	
5	c:\projects\12345\Design\12345DES_Plan17.dgn_V8	c:\projects\12345-NLJ\De\12345DES_Plan17.dgn_V7	Converted	0.2	
6	c:\projects\12345\Design\12345DES_Plan18.dgn_V8	c:\projects\12345-NLJ\De\12345DES_Plan18.dgn_V7	Converted	0.2	
7	c:\projects\12345\Design\12345DES_Plan19.dgn_V8	c:\projects\12345-NLJ\De\12345DES_Plan19.dgn_V7	Converted	0.2	
8	c:\nmients\12345\Design_\12345DES_Plan20.don_V8	c:\nmiects\12345-NLI\De_\12345DES_Plan20.don_V7	Converted	0.2	

16. Take time to verify your data. The translation will only build folders and copy the translated data. You will need to copy all missing folders and data from you original project to the translated project folder. When folders and data have been verified, either delete or archive your original project folder and rename the translated project folder by removing your initials. This step will ensure that all references will display.

Converting Levels in MicroStation

- 1. From the MicroStation Manager, Open a drawing file.
- 2. Select File > Save As.



3. Enter a new name into the Files: field to rename the current open drawing file, then <D> Options.

Directory			
iles:		Directories:	
12345DES_Plan02a.dgn		C:\Projects\12345\Design\Drawings\	
12345DES_Plan02.dgn		🗁 C:\	
12345DES_Plan03.dgn	- 1	🗁 Projects	
12345DES_Plan04.dgn		🔁 12345	
12345DES_Plan05.dgn		🗁 Design	
12345DES_Plan06.dgn		📂 Drawings	
12345DES_Plan07.dgn		Cross_Sections	
12345DES_Plan08.dgn		🛅 Reference_Files	
12345DES_Plan09.dgn		🗖 Tabs	
12345DES_Plan10.dgn			
12345DES_Plan11.dgn			-
12345DES Plan12.dgn			<u>o</u> k
12345DES_Plan13.dgn	-		Canaal
Select Format <u>To</u> Save:	Ľ	I Drives:	Cancel
MicroStation V8 DGN Files [*.dgn]	- 1		Options

4. In the Save As V8 Options dialog box, <D> the Browse for CSV remapping file icon. A standard CSV file is located in the configuration which is already set up to remap all of the previous versions' levels to the standard CDOT MicroStation V03.01 levels.

Save As V8 Options Remap References Filter	1	
CSV File		
 Apply Level Mapping Apply Font Mapping Apply Line Style Mapping Apply Color Mapping Apply Weight Mapping 	Browse for CSV remapping	file
<u>D</u> K Cancel		

5. Navigate to C:\Program Files\Workspace-CDOT\Standards-Global\MicroStation\Tables\Level_Translation. Select the file V03.02_Level_Conversion.csv. <D> OK.

Select Remapping CSV File		
<u>File Di</u> rectory		
Files:	Directories:	
V03.02_Level_Conversion.csv	\Tables\Level_Translation\	
V03.02_Level_Conversion.csv	C:\ Program Files Workspace-CDDT Standards-Global MicroStation Tables Level_Translation	<u> </u>
	I	Cancel
List Files of <u>Type</u> :	Drives:	Hala
Remapping Files [*.csv]		<u>H</u> elp

6. In the Save As V8 Options dialog box, check *On* the option to Apply Level Mapping. <D> OK.

emap References Filt	er]	
CSV File V0300_T	o_V0301.csv	૧ 🛿 🖄
	Level Mapping	
	Font Mapping	
	Line Style Mapping Color Mapping	
	Weight Mapping	

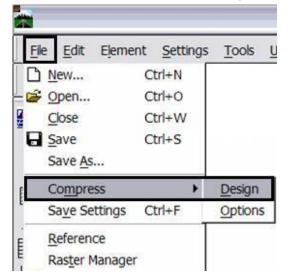
7. **<D> OK** in the **Save As** dialog box. The CSV file will execute and the previous levels will be converted to the updated levels in the V03.01 configuration release.

<u>D</u> irectory		
iles	Directories:	
12345DES_Plan02a.dgn	C:\Projects\12345\Design\Drawings\	
12345DES_Plan02.dgn	🔺 🗁 C:\	
12345DES_Plan03.dgn	Projects	
12345DES_Plan04.dgn	12345	
12345DES_Plan05.dgn	🔜 🛛 🗁 Design	
12345DES_Plan06.dgn	📂 Drawings	
12345DES_Plan07.dgn	Cross_Sections	
12345DES_Plan08.dgn	🗀 Reference_Files	
12345DES_Plan09.dgn	🗖 Tabs	
12345DES_Plan10.dgn		
12345DES_Plan11.dgn		-
12345DES_Plan12.dgn		<u>o</u> k
12345DES_Plan13.dgn	-	Cancel
Select Format <u>T</u> o Save:	Dri <u>v</u> es:	
MicroStation V8 DGN Files [*.dgn]		Options

Note: Once the new file is created, there will be two files with the same data. From windows explorer delete the old file and rename the newly created file to the old name. This will allow all reference file calls to be correct and will eliminate having duplicate data

Compressing the Model File

8. After the level updates have been made to the drawing files created in previous versions, select File > Compress Design > Options.



 In the Compress Design Options window, all options should be checked on *except* Delete Text Elements Containing Only Spaces. <D> the Compress button, then <D> OK.

100		
	Delete Empty Cell Headers	EMPTY_CELL
	Delete Empty Text Elements	EMPTY TEXT
	Delete Text Elements Containing Only Spaces	SPACE_TEXT
	Delete Unused Named Shared Cells	SC_NAMED
	Delete Unused Anonymous Shared Cells	SC_ANON
	Delete Unused Line Styles	LINESTYLES
	Delete Unused Dimension Styles	DIMSTYLES
	Delete Unused Text Styles	TEXTSTYLES
	Delete Unused Levels	LEVELS
	Delete Unused Nested Attachment Levels	LEVELTABLES