



OHDOT gINT Summary Converter

Description:

The OHDOT gINT Summary Converter is a standalone resizable C# Windows Presentation Form application that is fully integrated with ProjectWise.

This application is used to assist in converting and reformatting data in a csv file from gINT into an excel file, which can then be used to show within plan sheets.

Software Requirements:

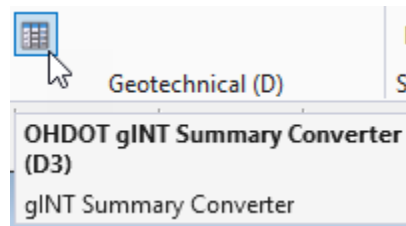
This application was developed using .NET Framework 4.8 in 64bit Windows 11.

Loading the Application:

The application can be launched from within the standards

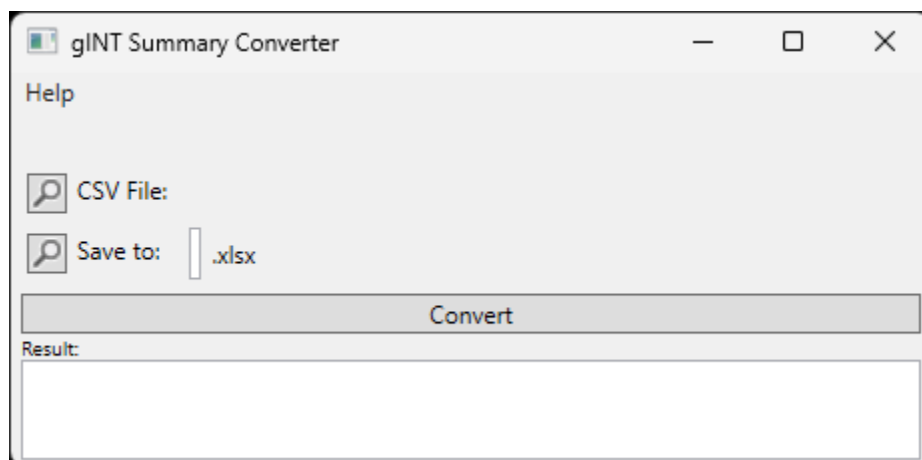
`\\.\OHDOT\Standards\Applications\OHDOT gINT Summary Converter.exe`

It can also be launched from the MicroStation ribbon within the OHDOT Workflow > Apps tab.



Application Operation:

When the application is initialized, a dialog like the example below is opened.





Help Menu:

The Help Menu consists of two items Wiki Page and About.

Wiki Page

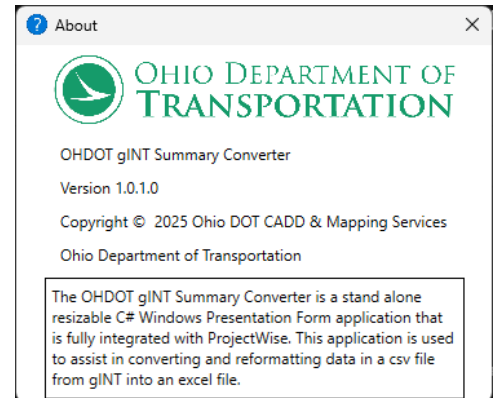
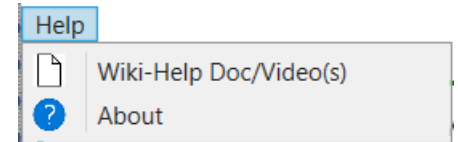
Clicking this item will launch a web page to our wiki page on this application. The wiki page contains a link to this PDF help document as well as contains a how to video.

https://communities.bentley.com/communities/user_communities/ohio_dot_consultants/w/ohiodot---wikis/46259/create-workset

About

Clicking this item will open another dialog, pictured to the right. This dialog displays the following information.

- Application Name
- Application version
- Copyright
- Company
- Description



ProjectWise Info Section

Logout of DataSource Active Datasource Name: ohiodot-pw.bentley.com:ohiodot-pw-02 (Ohio DOT Projects) Active UserName: John.Drsek@dot.ohio.gov

This section is only visible when the app has logged into a projectwise datasource. Logging into a ProjectWise Datasource is prompted only if ProjectWise Explorer is installed on the machine when the [Select CSV File Button](#) or [Select Save To Button](#) are selected.

Logout of DataSource Button

Logout of DataSource This button is only visible if the user has logged into projectwise from within this application. When selected it will log out of the active datasource. If the Selected CSV full path or save to Path are set to locations within the datasource, those values will be cleared out.

Active Datasource Name

Active Datasource Name: ohiodot-pw.bentley.com:ohiodot-pw-02 (Ohio DOT Projects) This is only visible if the user has logged into projectwise from within this application. It will display the active datasource name and the active datasource's display name in parentheses .

Active User Name

Active UserName: John.Drsek@dot.ohio.gov This is only visible if the user has logged into projectwise from within this application. It will display the active user's name of the active projectwise datasource.



Select gINT CSV Section

Select CSV File Button

This button will bring up a file search dialog. If ProjectWise Explorer is installed then the user will be prompted to log into a datasource. After successful login the ProjectWise file select dialog will be shown. If ProjectWise Explorer is not installed or failed to login or the user cancels the projectwise file select dialog then a windows file selection dialog will be displayed. Selected document must have a file extension of .csv or selection will not be accepted. Note that the Save To Section will be populated with the selected file's folder location.

Selected CSV full path

After a valid file selection has been made the selected file path is displayed here.

Select Save To Section

Select Save to Button

This button will bring up a folder selection dialog. If ProjectWise Explorer is installed, then the user will be prompted to log into a datasource. After successful login the ProjectWise folder select dialog will be shown. If ProjectWise Explorer is not installed or failed to login or the user cancels the projectwise folder select dialog, then a windows folder selection dialog will be displayed.

Save to Path

After a valid folder selection has been made the selected folder path is displayed here.

Save to File Name

This is the desired name of the excel file that will be created when the convert button is selected. It is populated with the name of the selected CSV file, just with the file extension changed to .xlsx. The user can type in the desired name.

Convert Button

This button only works if a valid csv file is selected, a valid save to location is set, and a save to file name is specified. Once selected the application will convert the data within the selected CSV file and reformat it into an excel file and save the excel file at the specified location with the specified name.

Result Section

This section will list the results from the selecting the convert button.

CSV File Format Requirements

The csv file should be an export from gINT (Summary of Soil Test Data Report) in the format as shown in the screenshot below.

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	
1	SUMMARY OF SOIL TEST DATA, CUY-480-07.28, PID 119669, OGE Number 100																								
2										SAMPLE	%	tsf	%	%	%	%	%					%	ODOT	ppm	
3	EXPLOR. ID	STATION	OFFSET	LAT/NORTH	LONG/EAST	FROM	-	TO	ID	N60	REC	HP	GR	CS	FS	SILT	CLAY	LL	PL	PI	WC	CLASS (GI)	SO4		
4	B-008-0-24	475+79	, 10' RT.	41.423335	-81.845575	02.13	-	03.63	SS-1	23	72	4.5	11	8	9	40	32	24	17	7	13	A-4a (7)	-		
5	B-008-0-24	475+79	, 10' RT.	41.423335	-81.845575	03.63	-	05.13	SS-2	31	100	4.5	9	17	8	36	30	24	16	8	10	A-4a (6)	-		
6	B-008-0-24	475+79	, 10' RT.	41.423335	-81.845575	05.13	-	06.63	SS-3	21	100	4.5	-	-	-	-	-	-	-	-	11	A-4a (VISUAL)	-		
7	B-008-0-24	475+79	, 10' RT.	41.423335	-81.845575	06.63	-	08.13	SS-4	27	100	4.5	-	-	-	-	-	-	-	-	14	A-4a (VISUAL)	-		
8	B-008-0-24	475+79	, 25' RT.	41.423335	-81.845575	08.13	-	09.63	SS-1	20	100	4.5	-	-	-	-	-	-	-	-	12	A-4a (VISUAL)	-		



Save to Excel File Format

After the [Convert Button](#) is selected the output excel file will be formatted as shown in the screenshot below. This can then be used to show on plan sheets.

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
1	SUMMARY OF SOIL TEST DATA, CUY-480-07.28, PID 119669, OGE Number 100																		
2					SAMPLE		%	tsf	%	%	%	%	%				%	ODOT	ppm
3	EXPLOR. ID	FROM	-	TO	ID	N60	REC	HP	GR	CS	FS	SILT	CLAY	LL	PL	PI	WC	CLASS (GI)	SO4
4	B-008-0-24	2.13	-	03.63	SS-1	23	72	4.50	11	8	9	40	32	24	17	7	13	A-4a (7)	-
5	STA. 475+79, 10' RT.	3.63	-	05.13	SS-2	31	100	4.50	9	17	8	36	30	24	16	8	10	A-4a (6)	-
6	LATITUDE = 41.423335	5.13	-	06.63	SS-3	21	100	4.50	-	-	-	-	-	-	-	-	11	A-4a (VISUAL)	-
7	LONGITUDE = -81.845575	6.63	-	08.13	SS-4	27	100	4.50	-	-	-	-	-	-	-	-	14	A-4a (VISUAL)	-
8																			
9	B-009-0-24	1.42	-	02.92	SS-1	20	100	4.50	-	-	-	-	-	-	-	-	13	A-4a (VISUAL)	-
10	STA. 473+29, 25' LT.	2.92	-	04.42	SS-2	19	100	4.50	6	22	11	28	33	23	16	7	12	A-4a (5)	-
11	LATITUDE = 41.423335	4.42	-	05.92	SS-3	17	100	4.50	-	-	-	-	-	-	-	-	17	A-4a (VISUAL)	-

Updates

Version 1.0.0.0: Initial Build

Version 1.0.1.0:

- Updated to fix crashing problem if B samples (i.e. SS-4B) are present.
- Updated app to integrate completely with ProjectWise
- Updated app to allow user to select the save to directory as well as define the file name.
- Updated app to add results section
- Updated app for help menu item to launch wiki page.
- Updated app to not open excel file, and property release the excel instance.

Contacts

For any questions, suggestions, or problems with this document please contact the ODOT Office of CADD and Mapping Services by use of the following form on the ODOT website:

https://odot.formstack.com/forms/cadd_servicerequest