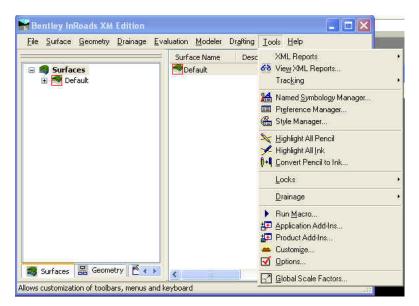
INSTRUCTIONS FOR CENTER LINE AND DTM EXPORTS FROM INROADS TO TSC2 OR TSC3 USING UPLOAD TRIMBLE ADD-IN TRANSLATOR

Note: Open Microstation DGN file and Inroads. Open ALG and DTM files.

Before the Translator can run an Application Add-In has to be activated from the Inroads Tool.



The Application Add-in should be 3rd or 4th from the bottom of the list. Select OK

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vailable:								_		οк
Translate Leica DBX Add-In								^	-	
Traverse Edit Add-In									C	ancel
Tunnel Surface Commands Add-In									L I	Help
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Upload Trimble Add-In										
Variable Manager Add-In										
View Drainage as Solids Add-In Visualization Add-In										
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The Active Project Settings Add-In pro and vertical alignments and supereleva			dialog X	that di		the ac		uface,	horizo	(1997)

From the File drop down list select Translators then Upload Trimble.

🙀 Bentley InRoads XM Edition	
Eile Surface Geometry Drainage Evaluation Modeler Drafting Lools H Image: Image Description Image: Image Description Image: Image: Image Description Image: I	elp File Name O , , , ,
Translators 1 pw:\\kytcp0\Survey Support\BRE 10-5011 Proposed Alg Files.alg 2 pw:\\kytcp00w02:KYTC-Main\Do\Survey Support\2046-266_plan.dtm 3 pw:\\kytcp00w02:KYTC\Survey Support\2046-266_Surface-only.dtm 4 pw:\\kytcp00w02:KYTC-Main\SelectCAD\2046-266_Surface-only.dtm 5 pw:\\kytcp00w02:KYTC-Main\D\Digital Mapping\2046-266_plan.dtm	• ₩₩ LandXML Translator

Note: When Apply is selected a registration notice from Trimble will pop up if this is the first time using this Add-in. Fill out the registration and agree to the User Agreement. A key code will be given to you to place in the Key in box. Select Ok (you should only have to do this once). Click on the link, register and type in your Authorization code.

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Select the alignments that are to be staked out. Make sure the Linear Units are US Feet then Apply. Notice that the active surface is N Mill Street. That is the one that will be converted to TTM file extention.

Geometry	Project	Laurel	County	•	Apply
orizontal Alio Name	gnments: Descrip	tion	Style		Close
Cemetery Ro alls Road	1 (a)//20/00/00		Centerline/r Centerline/r Centerline/r	n ^E	Help
			Centerline/	n	
				n	
rontage Ro: Grby Lane N	ort	N Mill S	Centerline/r Centerline/r	n	
Grby Lane N	ort		Centerline/r Centerline/r Street	n	

Notice in the above panel that I have selected a number of center lines for Trimble DC File version 10.7. The file is being saved to the job folder on the desktop but can be saved in a folder or another drive.

Save in:	📙 Item 11-0139.	• • • • • • • • • • • • • • • • • • • •	G 🥬	📂 🛄 🔻	
Pro	Name	*		Date mo	dified
Recent Places		No items match you	r searc <mark>h</mark> .		
Desktop					
Libraries					
Computer					
	•	III			
Network	File name:	Cemetery Road		•	Save
	Save as type:	Trimble DC file (*.dc)		•	Cancel

The next panel that pop's up will have a TTM extention (Trimble Terrain Model). Select Cancel if you are only importing Centerlines. The TTM file extention is created from the active DTM in Inroads. Save your named TTM file to the desktop or folder where it can be easily found. Once saved select cancel.

Save in:	📜 ltem 11-0139	.00	- G 🗖 I	⊳ 🛄 🖈
e.	Name	*		Date modified
Recent Places		No item	s match your search.	
Desktop				
Libraries				
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Network	•	Ш		
	File name:	N Mill Street		▼ Save
	Save as type:	Trimble TIN Model (*.	ttm)	Cancel

Another surface can be translated by itself with out a Geometry file being loaded.

Geometry Pro	ect Laure	County	•	Apply
Horizontal Alignm	ents: Description	Style		Close
Cemetery Road Falls Road Flav-O-Rich Dri Frontage Road Kirby Lane Nort		Centerline/n Centerline/n Centerline/n Centerline/n Centerline/n	1≡ 1	Help
۲ [III		N.	
Surface:	Front	age Road	•	
inear Units:	USF	eet	•	
Cross Section			- 4	-1

With your Trimble Controller turned on connect to your desktop or laptop computer. Windows Mobile should detect your controller and a connection panel will pop up. Select "Connect without setting up your device"





Next select "File Management"

Next navigate to the "Trimble Data" folder.

🕽 🜍 🚽 🧈 Computer 🕨 Trimble Navigation Lin		• • • Search \	,
Organize •		3÷ • 🗍	0
Favorites Desktop Downloads	Application Data File folder	ConnMgr File folder	
Dropbox Recent Places	Documents and Settings File folder	Hard Disk File folder	
Libraries Jocuments	Hard Disk2 File folder	Lost Clusters File folder	
	MUSIC File folder	My Documents File folder	
Computer	Program Files File folder	Trimble Data File folder	
	Trusted File folder	VOL File 172 KB	
> 🔐 Apps (O;) > 🧝 Dan Farrell (\\eas\dfs\kytchome06) (U:)	DialStringEditorV1.1 Cabinet File	IGW File 48 bytes	
 	Franklin Gnau2 JPEG image 480 KB	NVM3 File 9/14/2015 6:52 PM	
😨 Network	PCPkCtrlSv Text Document 100 K8	PCPkInst Text Document 30.6 KB	
	pim	special	

Navigate to KYTC folder

Organize *			8= • C1	0
Organize * Propinze * Favorites Desktop Downloads Dropbox Recent Places Documents Music Pictures Computer Computer	KYTC File folder System Files File folder	New Folder File folder		

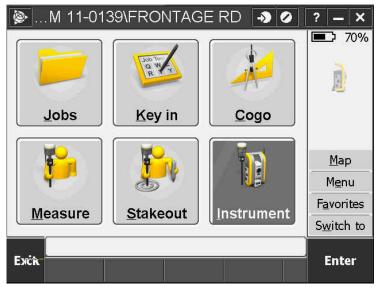
Computer • Trimble Navigati	on Limited TSC3 • \ • Trimble Data • KYTC •			
Organize •			調・ 🗍	
🚖 Favorites	Name	Туре	Size	Mo
E Desktop	421 BRIDGES	File folder		10
bownloads	ANDERSON DRONE 1	File folder		12
👽 Dropbox	ELL BELL	File folder		10
Secent Places	E Brannon Station	File folder		10
	L CORS CHECK	File folder		10
💭 Libraries	L D3 3-317	File folder		10
3 Documents	L D5 BRIDGES	File folder		10
🕹 Music	L D5 TEST	File folder		10
.S. Pictures	D7 CITATION	File folder		10
S Videos	Export	File folder		10
	E FRANKFORT KY 60	File folder		10
Computer	L GNAU	File folder		10
CSDisk (C:)	🐌 I-64 Item 5-65.30	File folder		10
CYTCAPPS (L)	1-65 S MP 128 45	File folder		10
🚁 Data (N:)	📜 1-75 NB MP 184	File folder		10
I Apps (Ot)	1-264 MP 17A	File folder		10
② Dan.Farrell (\\eas\dfs\kytchome06) (U:)) Item 2-1087	File folder		10
	🐌 Item 3-8505	File folder		10
Trimble Navigation Limited TSC3	ITEM 7-2033 US 60	File folder		10
<i>ا</i> ه	🗼 ПЕМ 11-0139	File folder		12
	JD LEX BASE LINE	File folder		10
Ketwork	📙 KY 7 Elliott Co	File folder		10
	ky 54 BRIDGE	File folder		10
	• III			

.

Navigate to the job folder that was created by you under "KYTC".

Drag and drop the created DC and TTM files from the file folder created on the desktop earlier into the job folder in the controller. Close the window and go back to the Controller.

Organize 🝷			87 · 🗍	-
 Favorites Desktop Downloads Dropbox Recent Places Libraries Documents Music Pictures Videos Computer OSDisk (C:) KYTCAPPS (L:) Dat.Farrell (\eas\dfs\kytchome06) (U:) KYTCAPPS (V:) Trimble Navigation Limited TSC3 \expression Network 	Kirby Lane North DC File 112 K8 N Mill Street TTM File 34.9 K8 OC File 104 K8 Falls Road DC File 102 K8 OC File 102 K8 DC File 102 K8 DC File 128 K8	Mitchell Creek Road DC File 1.15 KBParker Road DC File 1.19 KBCemetery Road DC File 1.08 K8Flaw-O-Rich Drive DC File 998 bytesFrontage Road TTM File 627 KB		



From the controller main menu select Jobs

Select Import/Export

🍥 Jobs	-) () ? - ×
New job	Map
<u>O</u> pen job	<u>C</u> opy between jobs
Properties of job	Import / Export
<u>R</u> eview job	
Point manager	
QC Graph	
Back	Next

Select Import Fixed Format Files

📎 Jobs	-> O ? - ×
<u>S</u> end data	
<u>R</u> eceive data	
Export fixed format	=
Import fixed format	
Export custom format	
Import custom format	
Back	Next

Select the file by selecting the folder icon under "From name"

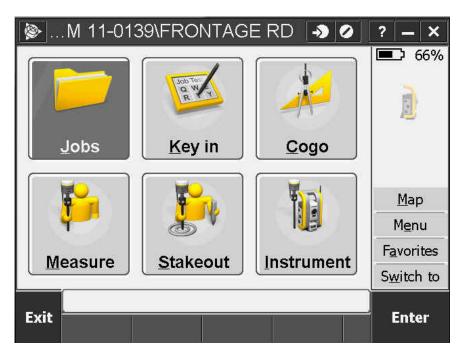
Import fixed format	->>⊘	? – ×
File format:		
Trimble DC v10.7		
From name:		
To name:		
?		
		1
Esc		

Select file		->>	0 ? - X
		эк	Cancel
Name	Туре	Size	Modified
🖽 🛅 I-75 NB MP 18	4		^
🗆 🚞 ITEM 11-0139			
Cemetery Road	DC	1kb	12/9/2015 7:41:
Falls Road	DC	1kb	12/9/2015 7:41:
Flav-O-Rich Drive	DC	1kb	12/9/2015 7:41:
Frontage Road	DC	2kb	12/9/2015 7:41:
Kirby Lane North	DC	1kb	12/9/2015 7:41:
Mitchell Creek Road	DC	1kb	12/9/2015 7:41:
Parker Road	DC	1kb	12/9/2015 7:41:
Survey Lane	DC	1kb	12/9/2015 7:41:
🗄 🛅 ITEM 7-2033 U	IS 60	_	*

From name select the DC file name that was saved on your controller. Select OK

File selected then "Accept". Import each DC file to get Horizontal and Vertical alignment

Import fixed format	? – ×
File format:	
Trimble DC v10.7	
From name:	
Frontage Road.	
To name: Frontage Road	
Esc	Accept



This will bring you back to the main survey controller menu.

BEFORE YOU GO TO THE FIELD CHECK THE HORIZONTAL AND VERTICAL ALIGNMENT IMPORTED! DOES IT MATCH THE PLANS?

Select Trimble Access in the upper left Trimble Icon





Select Edit to view Horizontal Alignment points. Tap Edit

	tage Ro	ad(Front	age Road	(k	0?	– ×
Horiz	zontal ali	gnment				
Verti	cal align	ment				
	olates					
	plate pos					
	erelevatio		ening			
	on equat					
Addi	tional po	ints				
	[
Esc	Store	Review	Report	Options		Edit

Horizontal element	-) () ? - ×
Element name	End station
Start point	99+00.000sft =
o° Line	103+05.949sft
ြို Arc	106+39.173sft
o° Line	109+94.941sft
ြို Arc	115+06.202sft
o° Line	118+73.441sft
ြို Arc	128+28.920sft
o° Line	143+60.060sft
	145±20 20¢c#
Esc	Edit
ESC New Options De	elete Accept

Check Coordinates with the plans. Tap Esc.

Horizontal element	-> O ? - ×	👺tage Road(Frontage Road) 🛛 📀 🥥 ? 🗕 🗙
Element:	Start station:	Horizontal alignment
Start point	99+00.000sft	Vertical alignment
Method:		Templates
Key in coordinates 🔻		Template positions
Start north:	Start east:	Superelevation & widening
3570504.752sft 🕨	5403707.932sft 🕨	Station equations
Station interval:		Additional points
0.000sft		
Esc	Start:	Esc Edit
Start Prev N	lext End	Store Review Report Options

Check the Vertical components. Tap Edit. If it checks Tap Esc.

Check the Vertical alignment. Tap Edit

Vertical element	-> O ? - ×	Vertical element	-> Ø ? -
Element name	Station (VPI)	Element:	
Point	100+00.000sft =	Start point	
○ Point	100+11.000sft	Station (VPI):	Elevation (VPI):
○ Point	100+30.000sft	100+00.000sft	1221.860sft >
ି Sym. Parabola	102+42.210sft	Slope in:	Slope out:
ି Sym. Parabola	122+00.000sft	?	1.2300%
ீ Sym. Parabola	143+40.000sft		
ି Sym. Parabola	160+60.000sft		
ି Sym. Parabola	183+00.000sft		
C Sym Barabola	202±10.000cff		
		Fas	
Esc New De	elete Accept Edit	Esc Start Prev	Next End Sic

Tap Esc on each panel until you come back to the Main Menu.