1_2 UNDERSTANDING/EDITING THE PLAN GRAPHICS.TXT FILE

Question:

After launching Corridor Modeling I get a warning message stating my geometry/graphics has be modified and all of the graphics turn red and/or blue. The files are from an external office which are not mapped as "R:\" drive. What is causing this issue and do I have to start-over and re-import all these graphics again?

Informat	ion
1	The Geometry and/or Plan Graphics has been modified
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	Preferences	Search Criteria	Chain	Side	Beg. Offs	End Offse	New Chain	•
	- 🗖 DTM	Lv: Prop EOT, Co: , Wt: , Lc: , Type:	L	Left	0.00	50.00	LT_Prop_EOT	1 2
	- Geometry	Lv: Prop EOT, Co: , Wt: , Lc: , Type:	L	Right	0.00	50.00	RT_Prop_EOT	D D
	- 🗖 Plan Graphics	Lv: Scratch_Level_1, Co: , Wt: , Lc: , Type:	L	Left	0.00	50.00	LT_Guardrail	
	ALG Viewer	Lv: Scratch Level 1. Co: . Wt: . Lc: . Type:	L	Right	0.00	50.00	RT Guardrail	· ×
		· · · · · · · · · · · · · · · · · · ·	1					
		Symbology 🔹		Dis	play	Begin C	Offset: 0.00	
		Chain: L 🗸		Side: 🖪	-	End C	Offset: 50.00	
		New Chain Name: RT_Bridge		Filter Tol Horizon	erances tal: 50	00		
		Drafting Standard: Conc Structures	•	Varian	ce: 0.010	000	Import	

Answer:

You do not have to start over and re-import the graphics. The key is to understand how the "planGraphics.txt" file works and how to edit it. Note that the following procedure only works for previously successful imported graphics. If the graphics were never stored successfully, then this procedure will not work. Below is a breakdown of a typical "planGraphics.txt" file which should be created automatically in the "\CorridorModeling\rddbs\" folder when the graphics were first imported.



- 1. Header (for each plan graphics alignment name)
- 2. ALG File Location (GPK to ALG Conversion)
- 3. Import Graphics ALN Name
- 4. Graphics Mod/Del Flag
- 5. Element Properties [Relative Path & DGN File (MS Model Name) Element ID #]
- 6. Location Data Manager Number Corridor Modeler loads the "planGraphics.txt" during the initial launch. Here are some possible reasons why the graphics will not load correctly.
- 7. Usually CM is launched from a DGN file(s) in the "\CorridorModeling\" folder, but the active DGN file or the referenced DGN file where the graphics were store do not exist. The planGraphics.txt file below searches for the "LT_Prop_EOT" graphics in the file "B-4609_Rdy_dsn.dgn" in the active "CorridorModeling\" folder.

	Φ40
32	[PLAN GRAPHICS]
33	ALG:.\rddbs\cmjobRDY.alg
34	ALN:LT_Prop_EOT
35	MOD:0
36	DEL:0
37	ELP:B-4609_Rdy_dsn.dgn(Default)13254
38	LDM:1337021028193

... but it does not exist.



Chances are the DSN file was once temporary copied to the "\CorridorModeling\" folder from the "\Proj\" folder and plan graphics were stored there. The "planGraphics.txt" file was then generated in the "\CorridorModeling\rddbs\" folder. The DSN file was then possibly deleted from the "\CorridorModeling\" folder afterward.

The Fix – If the file "B-4609_Rdy_dsn.dgn" still exists in the "\Proj\" folder, then in UltraEdit do a "Search and Replace" of all instances of "ELP:B-4609_Rdy_dsn.dgn" with "ELP:..\Proj\B-4609_Rdy_dsn.dgn". Note ".." means go back one folder. From the active "\CorridorModeling\" folder, the path translates to "\Roadway\Proj\B-4609_Rdy_dsn.dgn". Also note that it is not recommended to have a hyphen (-) in the TIP file name when created with the Design File Generator.

(Replace		×
Find What:	3	Start
ELP:B-4609_Rdy_dsn.dgn	*	Replace All
		Cancel
	-	Help
Replace With:	3	
ELP:\Proj\B-4609_Rdy_dsn.dgn	*	
	~	
	Replace Where:	
Match Whole Word Only	Ourrent File	
Match Case	Selected Text	
🔲 Regular Expressions: UltraEdit	All Open Files	Advanced

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Job: RDY Q >	< \land 🛱 🍰 🍰							
Preferences	Search Criteria	Chain	Side	Beg. Offse	End Offse	New Chain	^	1
⊢⊟ DTM	Lv: Prop EOT, Co: , Wt: , Lc: , Type:	L	Left	0.00	50.00	LT_Prop_EOT		
- Geometry	Lv: Prop EOT, Co: , Wt: , Lc: , Type:	L	Right	0.00	50.00	RT_Prop_EOT		-h
- 🗖 Plan Graphics	Lv: Scratch_Level_1, Co: , Wt: , Lc: , Type:	L	Left	0.00	50.00	LT_Guardrail		
ALG Viewer	Lv: Scratch Level 1. Co: . Wt: . Lc: . Tvpe:	L	Riaht	0.00	50.00	RT Guardrail	-	X
9	<u> </u>	1				<u> </u>		
	Symbology V		Dis	play	Begin	Offset: 0.00		°.
	Chain: L 🔹 💦		Side: F	- ▼	End	Offset: 50.00		
			- Filter Tol	erances				
	New Chain Name: RT_Bridge		Horizon	ital: 50.	00			
	Drafting Standard: Conc Structures	•	Varian	ce: 0.010	000	Import		
	braking standard. [Solid Structures		Validit	0.010	000			

The true fix should have been referencing the "B-4609_Rdy_dsn.dgn" file in the "\Proj\" folder from the CMD 2D or 3D DGN file in the "\CorridorModeling\" folder.

8. The stored graphics have been deleted, modified, or no longer is valid. Below three elements were stored as the "RT_Prop_Grail_Y30" graphics.

Corridor Modeling - C <u>File T</u> ools Job: RDY Q Y	\Oaks Folder\corridor modeler\r2915d\(√ 𝒜 🚋 🍰 🍰 Search Criteria	CorridorMo	deling\R2	915D.rdp Beg. Offse	End Offse	New Chain	X
	Lv: Prop EOT, Co: , Wt: , Lc: , Type:	Y30	Left	0.00	100.00	LT Prop E	1 7
- Geometry	Lv: Prop EOT, Co: , Wt: , Lc: , Type:	Y30	Right	0.00	100.00	RT_Prop	G
- 🗖 Plan Graphics	Lv: Prop DGN Element Guardrail, Co: , Wt	Y30	Right	0.00	110.00	RT_Prop	
ALG Viewer	Lv: Prop EOT. Co: . Wt: . Lc: . Tvpe:	Y31	Left	0.00	110.00	LT Prop E T	×
	Symbology Chain: Y30 New Chain Name: RT_Prop_GRail_Y30 Drafting Standard: T_DSN Guardrail	·	Side: (E Filter To Horizor Variar	lisplay lerances ntal: 50.1 nce: 0.010	Begin (End (00	Offset: 0.00 Offset: 110.00	

```
805 [PLAN GRAPHICS]
806 ALG:.\rddbs\cmjobRDY.alg
807 ALN:RT_Prop_GRail_Y30
808 MOD:0
809 DEL:0
810 ELP:..\Proj\R2915D_Rdy_dsn.dgn(Default)100396
811 LDM:1333547756731
812 ELP:..\Proj\R2915D_Rdy_dsn.dgn(Default)100485
813 LDM:1333717371009
814 ELP:..\Proj\R2915D_Rdy_dsn.dgn(Default)102478
815 LDM:1333717351932
816 [PLAN GRAPHICS]
```

The last two elements in the planGraphics.txt file can be can be matched and located with their Element ID number using Element Information.

 1 Element Information	x
Ine Selection>	
General	*
Geometry	*
Extended	*
Raw Data	^
Element ID 100485	
File Position 4008870	
Linkages 1	

Element Information	×
General	*
Geometry	*
Extended	*
Raw Data	^
Element ID 102478	
File Position 4009022 Linkages 1	
	 Element Information Selection> Arc General Geometry Extended Raw Data Element ID 102478 Size Size

To locate the missing element, go to the DSN file and key-in "ELEMENT INFO BYELEMID 100396".

	General		*
	Description	Text: GRAU 350 TL-3	
	Level	Prop DGN Element Guardrail	
AND I	Color	ByLevel (6)	
Non a	Weight	ByLevel (2)	
	Class	Primary	
	Template	None	
	Transparency	0	
)	Priority	0	
	Contents		*
	Formatting		*
	Geometry		*
	Extended		*
	Raw Data		*
	Element ID	100396	
	Size	100	
	File Position	4008713	
	Linkages	1	

Note that this is a text element located about 14,300' away from the other two guardrail elements. For future reference, please toggle the element type in the search criteria to include just line and arc type elements for gaurdrail graphics (excluding text).

Chances are this text element was stored with other guardrail graphics by mistake. The text is then moved to its current location. It is now out of range for the search criteria to work properly.

The Fix – Delete the element from the planGraphics.txt file and reload Corridor Modeling.

) planGraphics.txt ×
	<u>0,,4,0,,5,0,,5,0,</u>
805	[PLAN GRAPHICS]
806	ALG:.\rddbs\cmjobRDY.alg
807	ALN:RT_Prop_GRail_Y30
808	MOD:0
809	DEL:0
810	ELP:\Proj\R2915D_Rdy_dsn.dgn(Default)100485
811	LDM:1333717371009
812	ELP:\Proj\R2915D_Rdy_dsn.dgn(Default)102478
813	LDM:1333717351932
814	[PLAN GRAPHICS]

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Job: RDY Q Y	× \land 🚋 🍰 🎄							
Preferences	Search Criteria	Chain	Side	Beg. Offs	End Offse	New Chain		
- 🗖 DTM	Lv: Prop EOT, Co: , Wt: , Lc: , Type:	Y30	Right	0.00	100.00	RT_Prop		1
- Geometry	Lv: Prop DGN Element Guardrail, Co: , Wt	Y30	Right	0.00	110.00	RT_Prop		<u>р</u>
Plan Graphics	Lv: Prop EOT, Co: , Wt: , Lc: , Type:	Y31	Left	0.00	110.00	LT_Prop_E		
ALG Viewer	Lv: Prop EOT. Co: . Wt: . Lc: . Tvpe:	Y31	Riaht	0.00	110.00	RT Prop	Ŧ	X
	Symbology Chain: Y30 New Chain Name: RT_Prop_GRail_Y30 Drafting Standard: T_DSN Guardrail	•	Di Side: [F Filter To Horizor Variar	splay R lerances ntal: 50 nce: 0.010	Begin (End (.00	Offset: 0.00 Offset: 110.00]

9. Sometime the graphics were moved sincethey were last imported. A difference in the Location Data Manager (LDM) number of the same element ID is an indication this has occurred.



The Fix - Re-import just that item/row of that graphics. Note the import checkbox to the far right

of the dialog box. You do not have to re-import all of the graphics over again if they have been successfully stored previously.

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Job: RDY Q Y	× \land 🛱 🎄 🎄							(
Preferences		Chain	Side	Beg. Offse	End Offse	New Chain	Drafting	S Store	
- 🗖 DTM	lo:, Wt:, Lc:, Type:	L	Right	0.00	20.00	RT_Prop_I	T_DSN.	. 🗆 🗉	2
- 🗖 Geometry	nent Guardrail, Co: , Wt	L	Left	0.00	110.00	LT_Prop_G	T_DSN	🛛	
Plan Graphics	nent Guardrail, Co: , Wt	L	Right	0.00	110.00	RT_Prop_G.	. T_DSN.	. 🛛	
ALG Viewer	. Wt: . Lc: . Tvpe:	DRV1	Riaht	0.00	110.00	RT Prop	T DSN	. 🛛 👎	X
(·				11			<u> </u>	
	Symbology 🔹				Display	/ Be	egin Offset:	0.00	
	Chain: L	•	J.S.	S	ide: 🖪	•	End Offset:	110.00	
					ilter Tolera	nces			_
	New Chain Name: RT	Prop_Guardr	rail_L		Horizontal:	50.00			_
	Deatting Standard: T. D.	SN Guardeail	-	_	Variances	0.010000		Import	
	Draiting Standard: (1_D)	SIN GUARDIAN			variance:	0.010000			_
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For projects that were not mapped as R drive, load the RDP and GPK as is. Then change the Template Library and DTM Files Path to the "R:\Roadway\CorridorModeling\" folder.

📕 Corridor Modeling		
<u>File T</u> ools		
Job: RDY Q Y	< 🤻 🚋 🎝	
Preferences	Preferences	
- Plan Graphics	Station Lock:	Even
ALG Viewer	Slope Readout:	50% •
	Horizontal Chord Height:	0.100000
	Vertical Chord Height:	0.050000
	Template Library:	M:\2011\24111015-R2915D\Roadway\CorridorModeling\R2915D_ α Q
	DTM Files Path:	M:\2011\24111015-R2915D\Roadway\ComidorModeling\ Q

📕 Corridor Modeling			- X		
<u>File</u> Tools					
Job: RDY 🔍 🗸 💏 🍰 🍰					
Preferences	Preferences				
- Plan Graphics	Station Lock:	Even 🔻			
ALG Viewer	Slope Readout:	50% 🔹			
	Horizontal Chord Height:	0.100000			
	Vertical Chord Height:	0.050000			
	Template Library:	R:\Roadway\CorridorModeling\R2915D_rdy.itl	۹		
	DTM Files Path:	R:\Roadway\ComidorModeling\	۹		

For the DTM tab, delete the TIN file from the list and replace it with converted existing DTM. Note you do not have to re-import the file because it has already been converted to an existing inRoads DTM.

📕 Corridor Modeling		x
<u>File T</u> ools		
Job: RDY Q Y	× 🕫 🚔 🌲	
Preferences	TIN/DTM Files	
	M:\2011\24111015-R2915D\DTM\v2915d_ls_tin.tin	*
- Geometry		
Plan Graphics		X
	(TIN: •)	
	Import	

📕 Corridor Modeling		X
<u>File T</u> ools		
Job: RDY Q Y	× 🖉 🚋 🍰	
Preferences	TIN/DTM Files	
	R:\Roadway\ComidorModeling\r2915d_ls_tin.dtm	*
- Geometry		
- Plan Graphics		X
	DTM: R:\Roadway\CorridorModeling\r2915d_ls_tin.dtm Q	
	Import	

Resave the RDP and Corridor Modeling will work off the R:\ drive from this moment on. As mentioned in the last Cadd User Group Meeting, please try not to create the "rddbs" folder outside the "\CorridorModeling\" folder. The alignment and graphics links to this folder are unpredictable by doing so. Delete any unintentionally created "rddbs" folders outside the "\CorridorModeling\" folder.