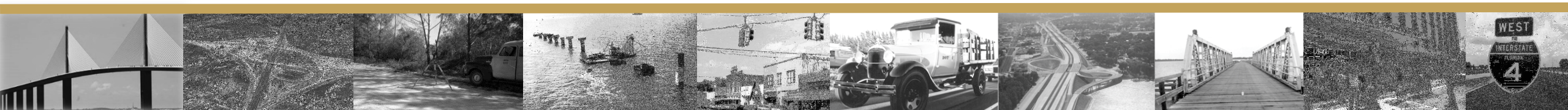




Sheet Clipping with Live Nesting

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Celebrating 100 Years of Innovation, Mobility and Economic Development

Objectives

- *Learn how to create plan sheets using GEOPAK's Plan/Profile Sheet Composition tool and Live Nesting.*
- *Discuss the pros and cons comparing standard clipping with motifs to using Live Nesting.*





Set Up

- *Required Files*

- *CLIP***
- *Design Files to Reference*
 - *DSGN***
 - *TOPO***
 - *RWDT***
 - *UTAD***
 - *Etc...*

- *Optional Files*

- *Motif Files*
 - *MTPL***
 - *MTPR***
- *Border Sheet Reference Files*
 - *BDPL***
 - *BDPR***
 - *BDPP***

Create File/Project

Project: C:\e\projectsSS4\22049555201QT

Workspace: FDOTSS4

Control File: ROADWAY.CTL

File Group: Roadway Design Files (DGN)

File Type:

- ALIGNMENT LAYOUT
- AUTOMATED MACHINE GUIDANCE MODEL (3D)
- BACK OF SIDEWALK PROFILES
- BORDER SHEET REFERENCE FILE FOR BRIDGE HYDRAULIC SHEET
- BORDER SHEET REFERENCE FILE FOR DRAINAGE MAP SHEET
- BORDER SHEET REFERENCE FILE FOR PLAN SHEET
- BORDER SHEET REFERENCE FILE FOR PLAN/PROFILE SHEET
- BORDER SHEET REFERENCE FILE FOR PROFILE SHEET
- BORDER SHEET REFERENCE FILE FOR XSECTION SHEET
- BOX CULVERT WINGWALL DESIGN AND SPECIAL DETAILS
- BRIDGE HYDRAULICS RECOMMENDATION SHEET
- CLIP BORDERS
- CONCRETE SLAB INVENTORY
- CONTOURS 2D
- CURVE OR COORDINATE DATA SHEET
- DIGITAL SIGNATURE (MULTI)
- DIGITAL TERRAIN MODEL / TIN MODEL - 3D
- DRAINAGE DETAIL SHEET
- DRAINAGE FLOOD DATA FORM
- DRAINAGE MAP

Output File: ALGNRD02

Output Folder: Roadway\

Seed File: fdotseed2d.dgn

Seed Path: resources/seed/

Action: mdl | plotscale;plotscale set;model create design ALGNRC

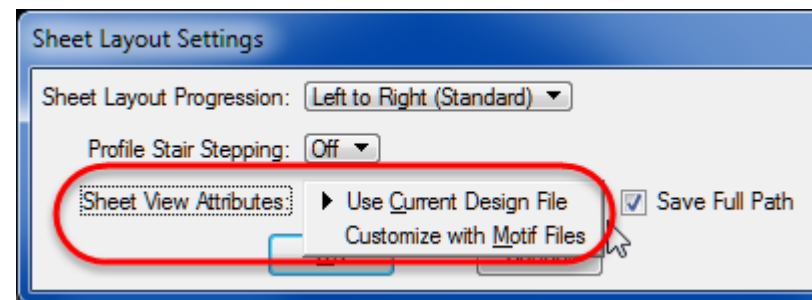
Create Open File

Active File for Open/Edit: ALGNRD01.DGN

OK

Motif Files

- *Motif files are files used by GEOPAK clipping to contain the settings to be used when clipping sheets.*
 - *Reference files attached and the settings*
 - *Levels turned on or off*
- *Two options available to define:*
 - *Current File*
 - *Customize with Motif Files*
- *Motif does **NOT** mean it will use Live Nesting or have the ability to turn off levels in the motif file and have them turned off in the references.*



Let's Clip Sheets

- *Scenario 1*

- *Clip sheets using the option to Customize with Motif Files and standard clipping practices.*



- *Scenario 2*

- *Clip sheets using the Current Design File option with the motif files referenced with Live Nesting turned on.*



Pros and Cons

• *Scenario 1 – Standard (No Live Nesting)*

• *Pros*

- *More control over individual reference file settings*
- *Levels can be turned off for individual sheets if necessary*

• *Cons*

- *To turn level off in all sheets you have to go to each sheet or use the FDOT Reference File Tools*

• *Scenario 2 – Live Nesting with Motif Files*

• *Pros*

- *Can turn off levels for all sheets in one location/file*
- *Easy to attach another design file to the sheets*

• *Cons*

- *No control over the referenced nested files*
- *Can't turn off a level in just one sheet*

Questions???

Thank-you for joining today's session.

Need some HELP? Contact me...

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FDOT CADD Support Forum On-line

http://communities.bentley.com/communities/user_communities/fdot_cadd_support/default.aspx

