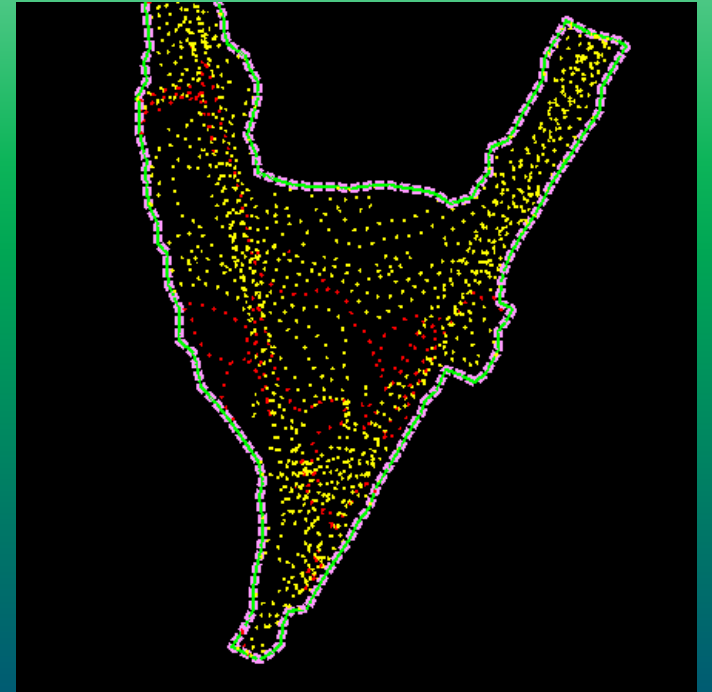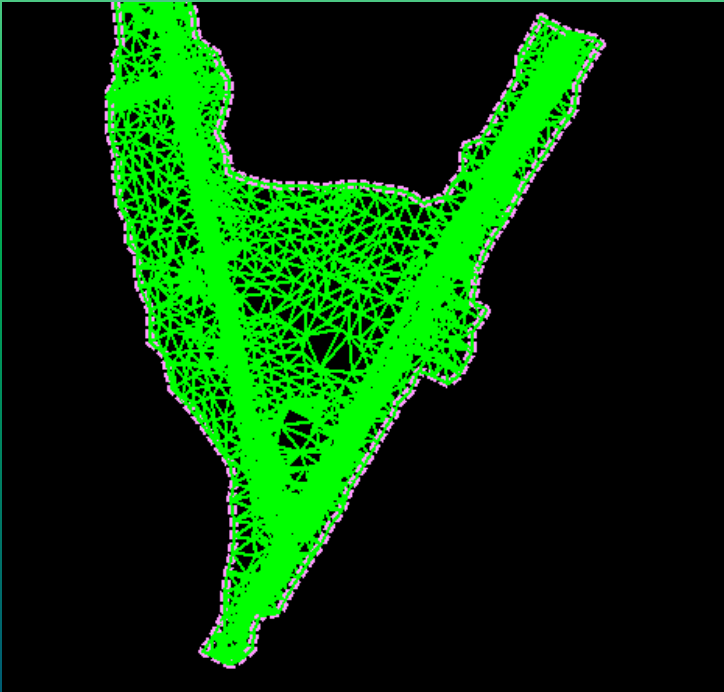# How to Handle Multiple Displays in a Terrain File

Presented by:
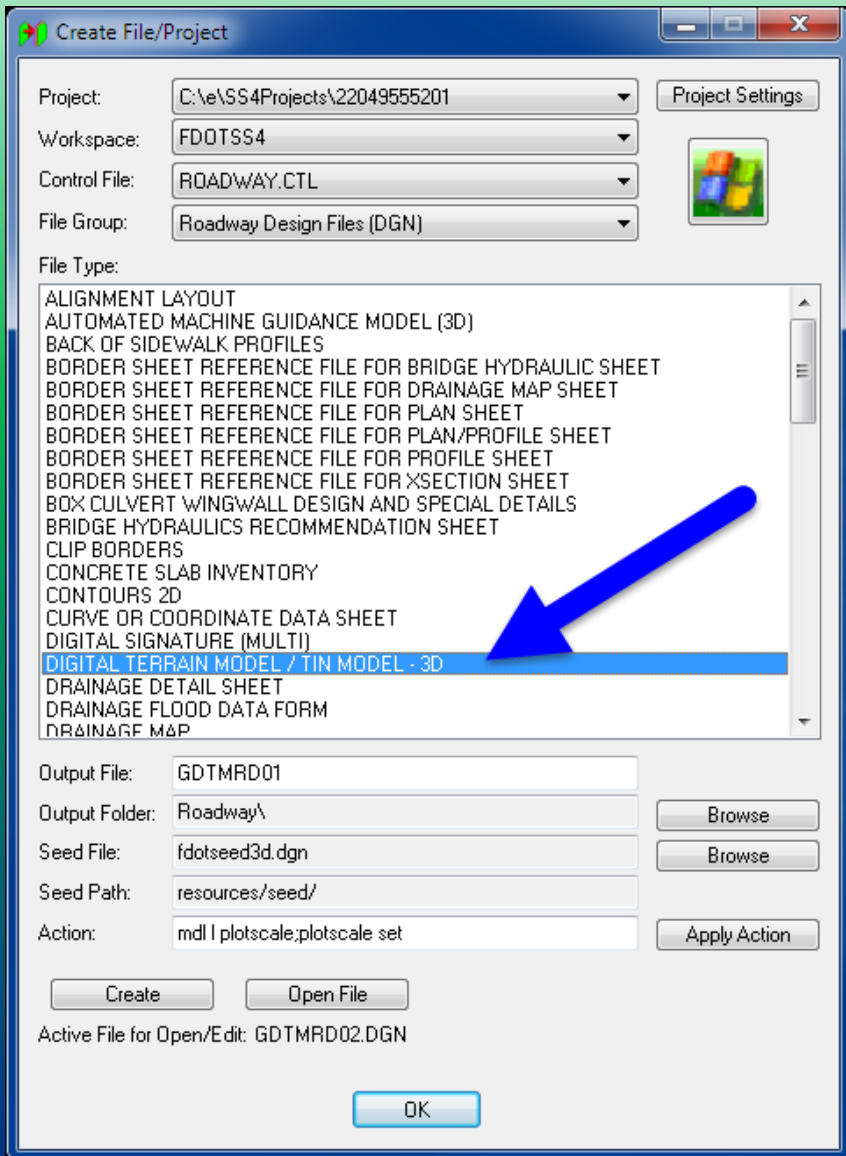
Denise Broom

CADD Support Specialist

Engineering CADD
Florida's Transportation Engineers

Basic Workflow
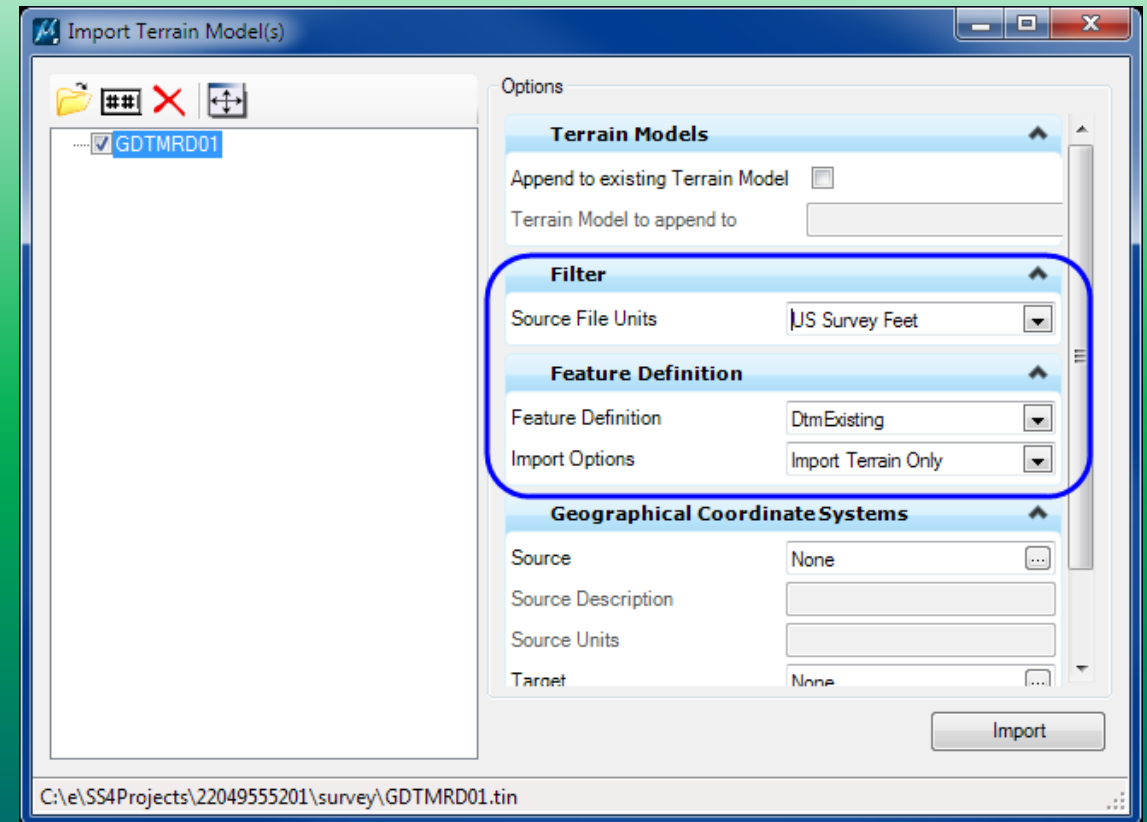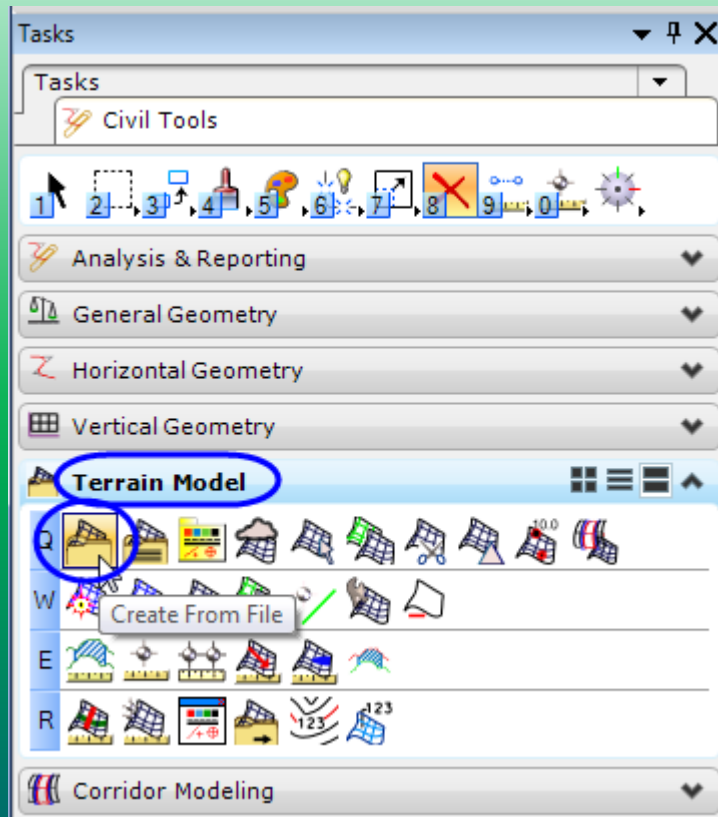
- *Create the DTM file.*
- *Import the Terrain from TIN file*
- *Create New Models…*
  - *Contours*
  - *Triangles*
- *Set Up Models for Display*
- *Reference to Other Files*

Create the DTM File

- *Create File/Project*
  - *Under Roadway.CTL and Roadway Design Files (DGN)*
 - *Digital Terrain Model/ TIN Model – 3D*

Import the Terrain

Other options also available for Creating/Importing…
- *From ASCII File*
- *By Graphical Filter*
- *From Point Cloud*
- *From Elements*

Import the Terrain

- *Default Model contains the original imported data.*
- *Project Explorer (In the Model with imported data)*
  - *Civil Model - Can be used to update the data from the source.*
  - *Civil Standards - View the Terrain Feature Definitions in the Active File.*
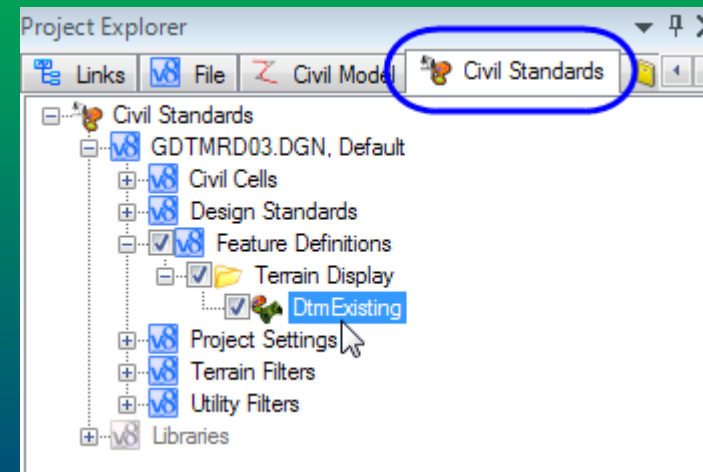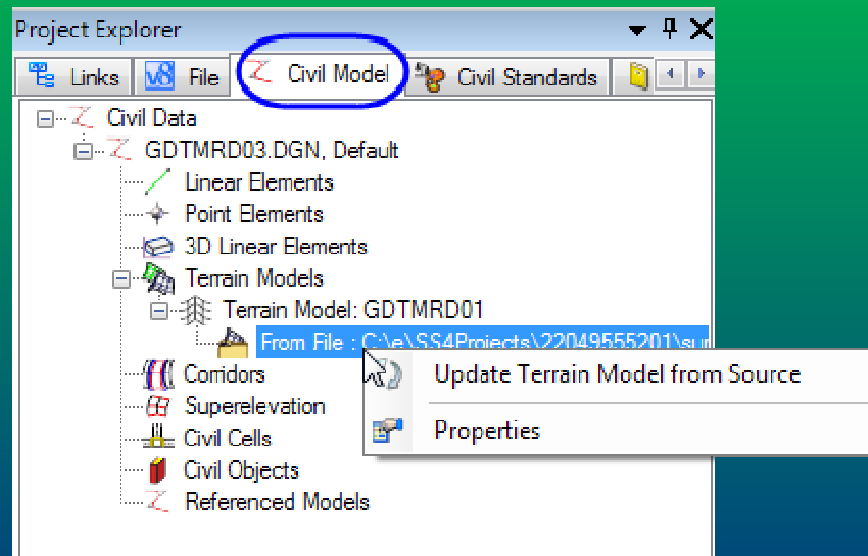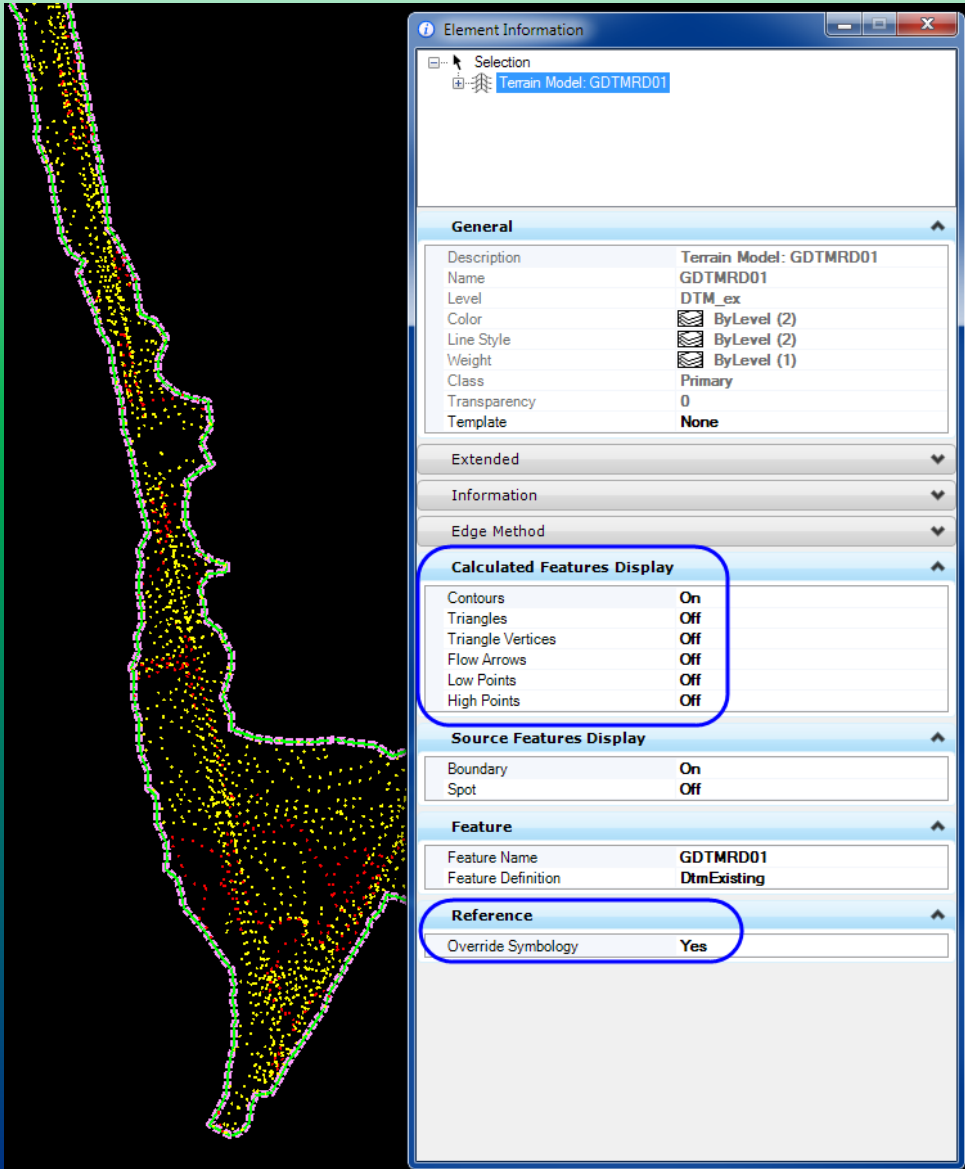
Create New Models

- *Create New Models...*
  - *2D models that will be used to reference to other design files when the information is needed.*
  - *Recommended*
    - *Contours*
    - *Triangles*
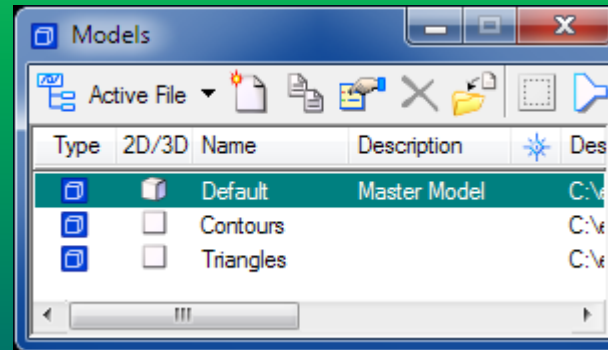
  - *Note: In SS4, these will be set up with the file when Create File/Project is used to create the GDTMRD file.*

Set Up Models for Display

- *Reference the Default model to the current model (Contours or Triangles)*
- *Select the boundary element of the Terrain and then select Element Information.*
- *Turn On the option you would like to see displayed under Calculated Features Display.*
- *Turn On Override Symbology*
  - *This keeps the settings from changing the view/display in the Default model.*

Set Up Models for Display

- *At the top of the Element Information dialog, expand the Terrain Element options.*

- *Under Calculated Features Display > Contours, options are available to change the settings for the interval, precision, and level symbology.*

- *Text Style and Drawing Scale controls the text size.*

Reference to Other Files

- *Select the Terrain element and then select Element Information.*

- *Turn ON the Override Symbology option under Reference.*

- *Select the Template to change the display setting, if desired. (I.E. contours, triangles, boundary, etc.)*

- *Note: When Referencing Contours or Triangles model, turn on Live Nesting.*
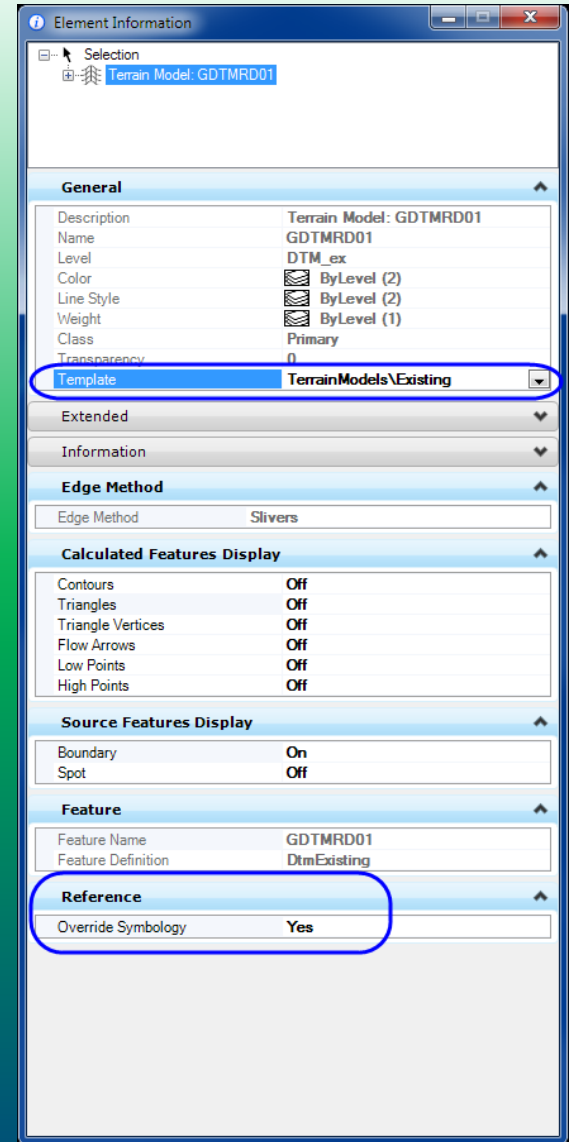
Reference to Other Files

- *If a template does not exist with the desired display option, an Element Template can be added to the file.*
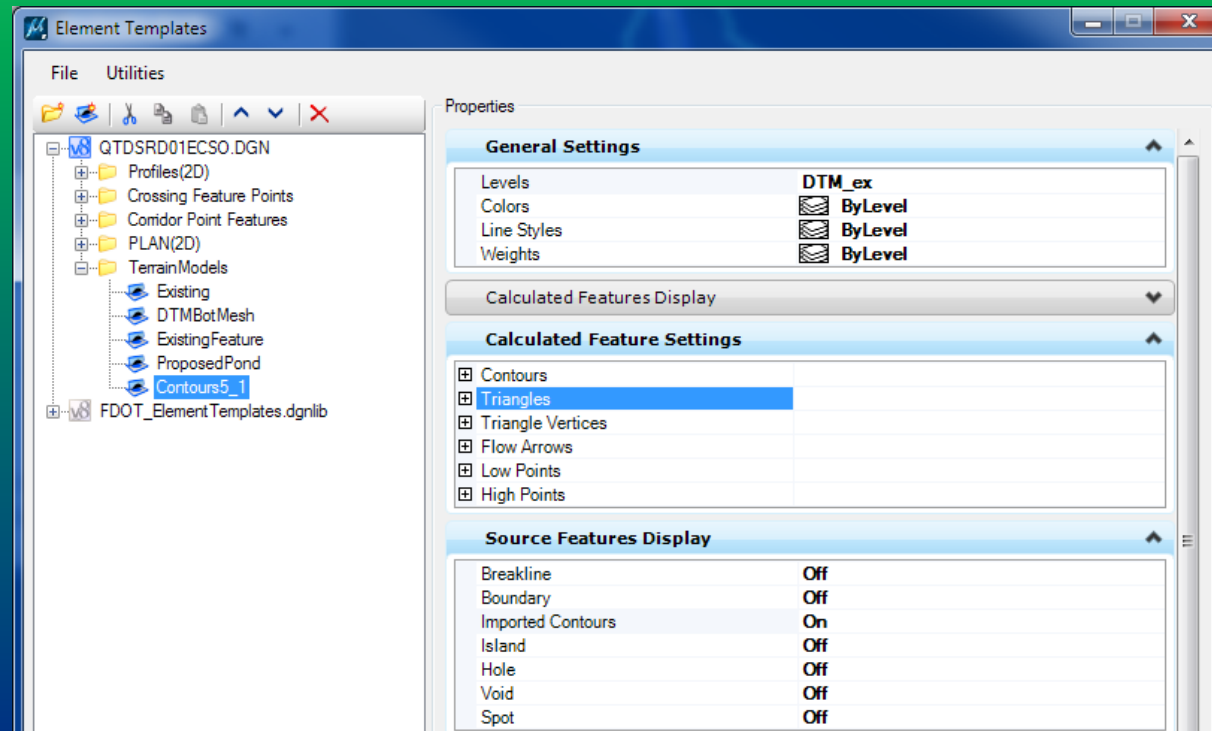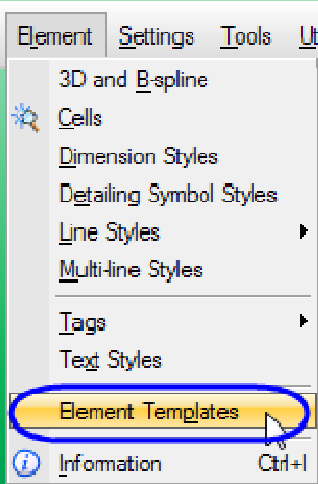
Questions...

Thank you for attending today's webinar.

Need some HELP? Contact me...

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http://www.dot.state.fl.us/ecso

FDOT CADD Support Forum On-line

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

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