

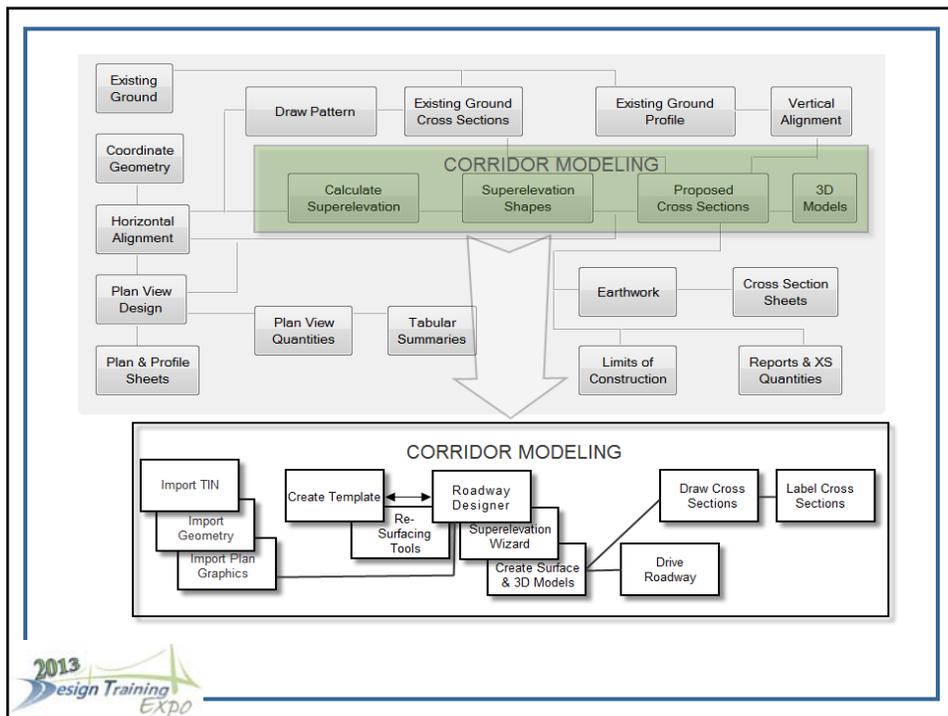
Corridor Modeling Basic - Roadway Designer



Use of GEOPAK Roadway Designer

Speaker: Vern Danforth, P.E.

FDOT ECSO



Corridor Modeling:

Template Designer Library(s)

- Retrieve Standards Components
- Retrieve Component Groups
- Retrieve Typical Sections
- Create/Edit Job Sections
- Assign Rules and Parameters
- Define Geometry Constraints



Broad Strokes

Roadway Designer

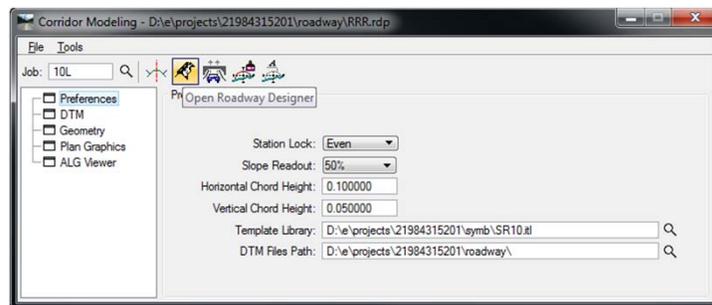
- Target Graphics Elements
- Template(s) Station Limits
- Point Controls
- Super elevation
- Milling/Overlay Criteria
- End Condition Exceptions
- Parametric Constraints



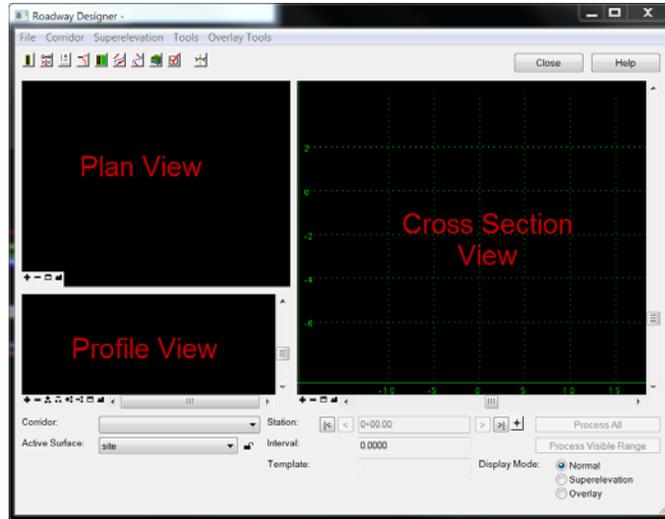
Trim Out to Finish



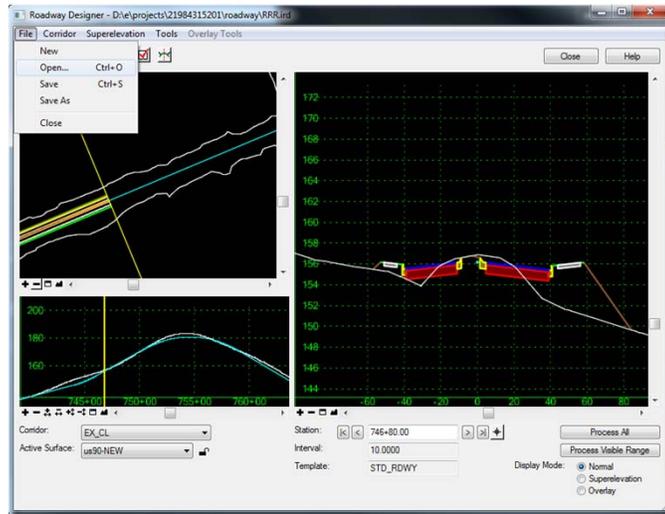
Corridor Modeling - Dialog



Roadway Designer - Dialog



Roadway Designer - Dialog



...application



Designing in 3D, WIIFM



DESIGN TIN OR DTM

- Surface Model Analysis Tools
contours, slope vectors, drainage
- R/W limit boundary or hull
- Wetland Impacts
- Re-Wall Limits
- Gravity Wall Location Needs

VISUALIZE

- 3D Perspectives of Roadway Design
 - walk the design
 - drive along
 - fly over
- Render
- Photo-match
- Animate

INTEGRATE other

- Drainage
- Existing Utilities
- Proposed Utilities
- Structures/Bridges
- Google warehouse
- 3D Cells
- Etc.

OUTPUT

- Automated Machine Guidance
- Land XML
- Cross Sections at any interval



...in closing

Questions...

Follow-up...

...on behalf of the entire ECSO office.

Thank you for attending !

