

AMG Delivery (7-1-2013)

AMG DELIVERABLES

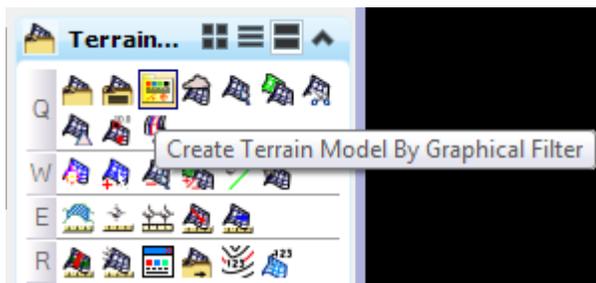
OVERVIEW & REQ'D. PRACTICES

AMG delivery will require the following:

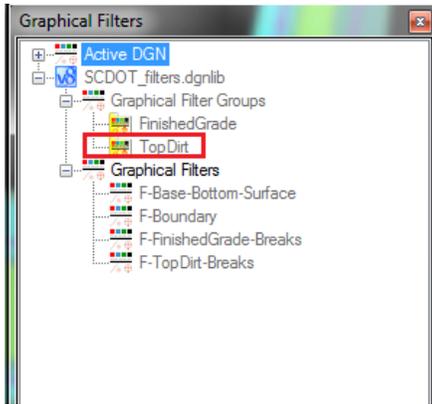
- 1) **FMS#-ALIGNMENTS.xml**
Design Alignments & Profiles in LandXML format.
- 2) **Roadwayname-Phase-TOPDIRT-StationRange.xml**
Top Dirt Terrain (In LandXML) for each Phase of construction limited to 3 MB of file size on the LandXML file.
- 3) **Roadwayname-Phase-DESIGNSOIL.xml**
Design Soil Terrain (In LandXML) limited to 3 MB of file size on the LandXML file.
- 4) Generation of the files above from 5' Template Drops and Template drops at all horizontal/vertical control points. (10' allowable for High Speed roadways.)
- 5) Voids are required in Overlay areas.
- 6) Channel Changes are Req'd and should be designated in the name.

STEPS to Generate Design Terrain

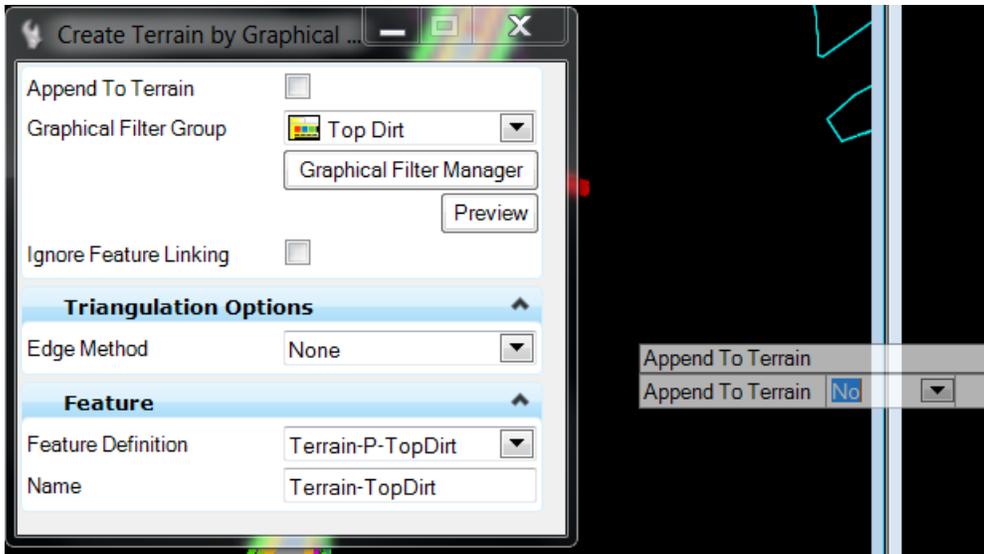
1. Create a DGN file called 3d-Terrain-D-*.DGN (Use 3d Seed file)
"3D-TERRAIN-D-roadwayname-(phase)-(stationlimits.DGN).DGN"
2. Reference your Corridor (Default-3d view)
3. Choose the following Terrain Model command.



- Choose the following Graphical Filter Group.

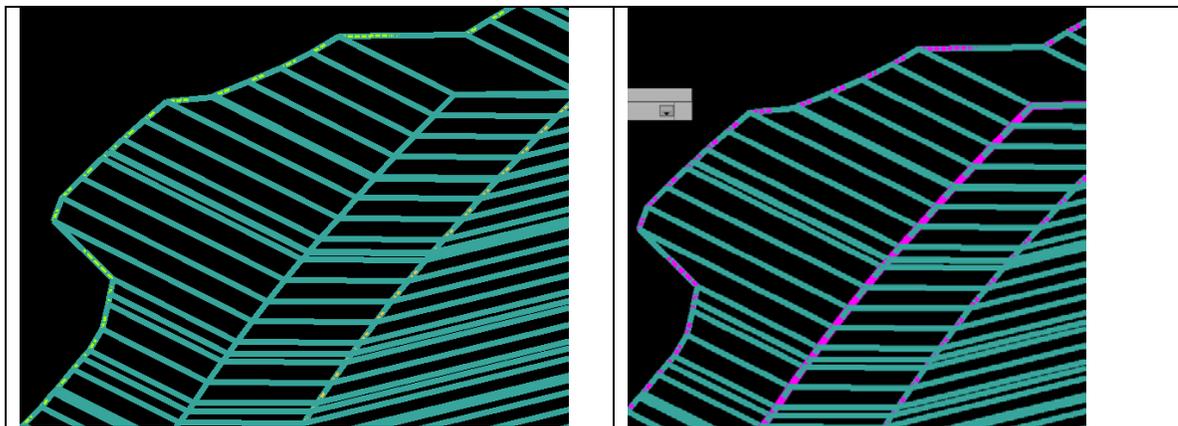


- Fill out the dialog as shown below.

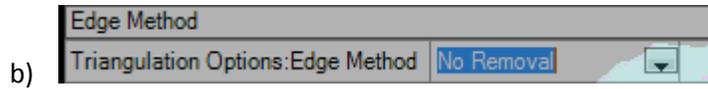


- Tag Preview to view the breaklines the filter is seeing.

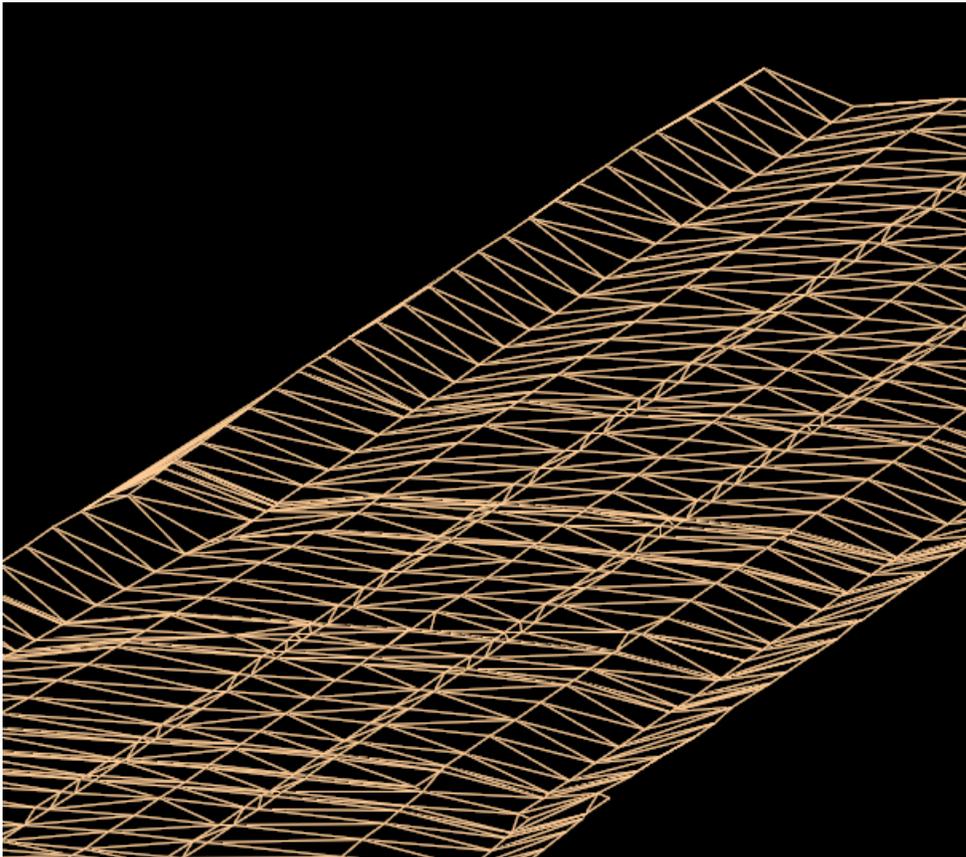
No Preview	Preview
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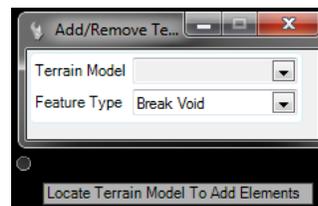
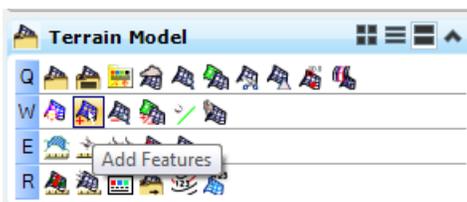
7. Follow the prompts.



Below is an example of the Terrain created with the corridor reference for the Default-3d model turned off.

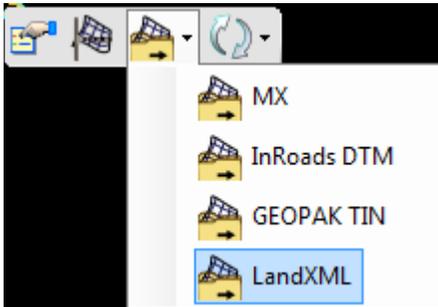


8. Add any drupe void areas as needed. (i.e. Overlay Areas). These will need to be closed shapes. In the case of Drape Voids, no elevation is needed on the elements. In the case of an overlay, it would be the existing EP's but closed.

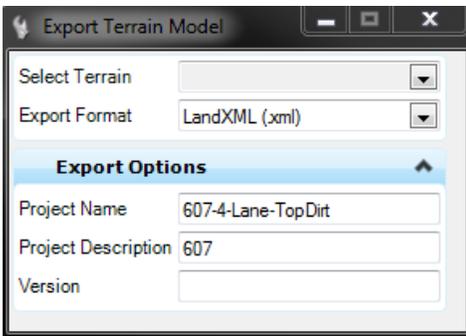


STEPS to Generate LandXML

9. Click the terrain and choose Export LandXML.



10. Fill out the dialog below and data point through the prompts.

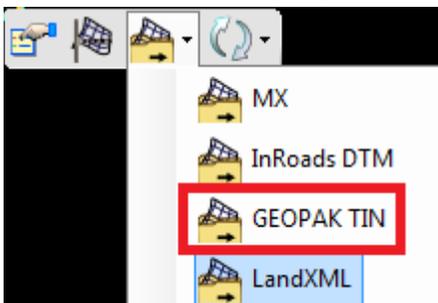


11. You'll be prompted to save the XML file. Name it the same as the Project Name above.



STEPS to Generate GeoPak TIN

1. Click the terrain, choose Export GeoPak TIN, & follow prompts.



2. You can use this TIN to cut XS's from surface on top of the x-sections created from the Corridor to verify the Terrain accuracy.