

PROCEDURE FOR CREATING COMBINED SURFACE MODELS TINs (From 3D Model)

Files needed:

Proposed TIN(s), Existing TIN (L&S or Photo), 3D CMD DGN (for viewing finished product)

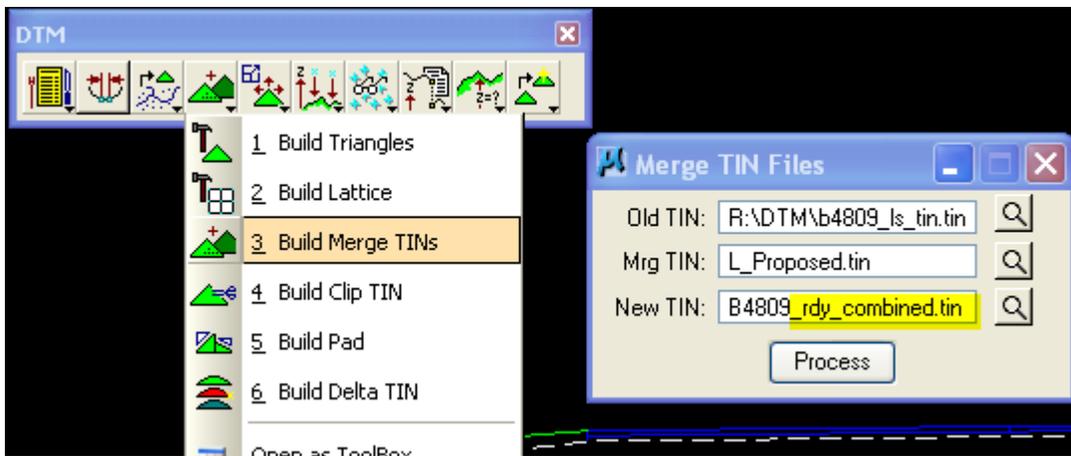
STEP 1

If you have multiple alignments (L, Y, Ramps, etc.), you will need to create a surface (corridor) for each alignment. Please refer to the instructions from the [Intro to Corridor Modeling \(Create Surface\)](#). Once you have all your proposed corridors, we will merge each corridor one at a time with the existing until all have been combined.

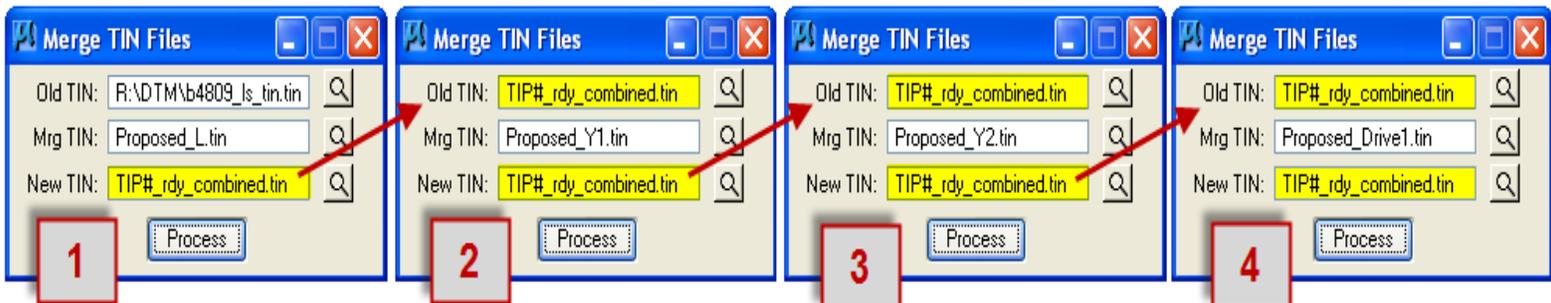
STEP 2

To merge, use the DTM “Build Merge TINs” tool to get a combined TIN file comprised of the existing ground TIN and the created proposed TIN(s). The Old TIN should always be the surface which the Mrg TIN will be added. New TIN is the combined TIN. The file naming convention for the new combined TIN file is:

TIP#_rdy_combined.tin



If you have more than one proposed TIN, start with the existing TIN and add one proposed TIN at a time. Each time using the New TIN from previous step as the base TIN (Old TIN) to add the next proposed TIN (Mrg TIN) (See example below). Repeat this process until all proposed TINs have been merged into one combined TIN.



STEP 3

Once all necessary files have been merged, the end result is a proposed surface model of your project. In your cmd (3D) file, your combined TIN may be viewed using the DTM tool “Load DTM Features”. Load in your combined TIN file and turn on triangles. Remember to select “Display Only and Graphic Group” if you only want to view your TIN and not actually draw it into your DSN. (See below)

