

NCDOT ROADWAY DESIGN PUBLIC HEARING MAP

CHAPTER 8: CREATING ONE TOPO MODEL

Navigate to RDY PHM Exist TOPO File Model.

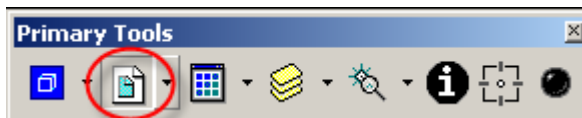
Step 1.

Navigate (double click) to the **RDY PHM Exist TOPO File** model.



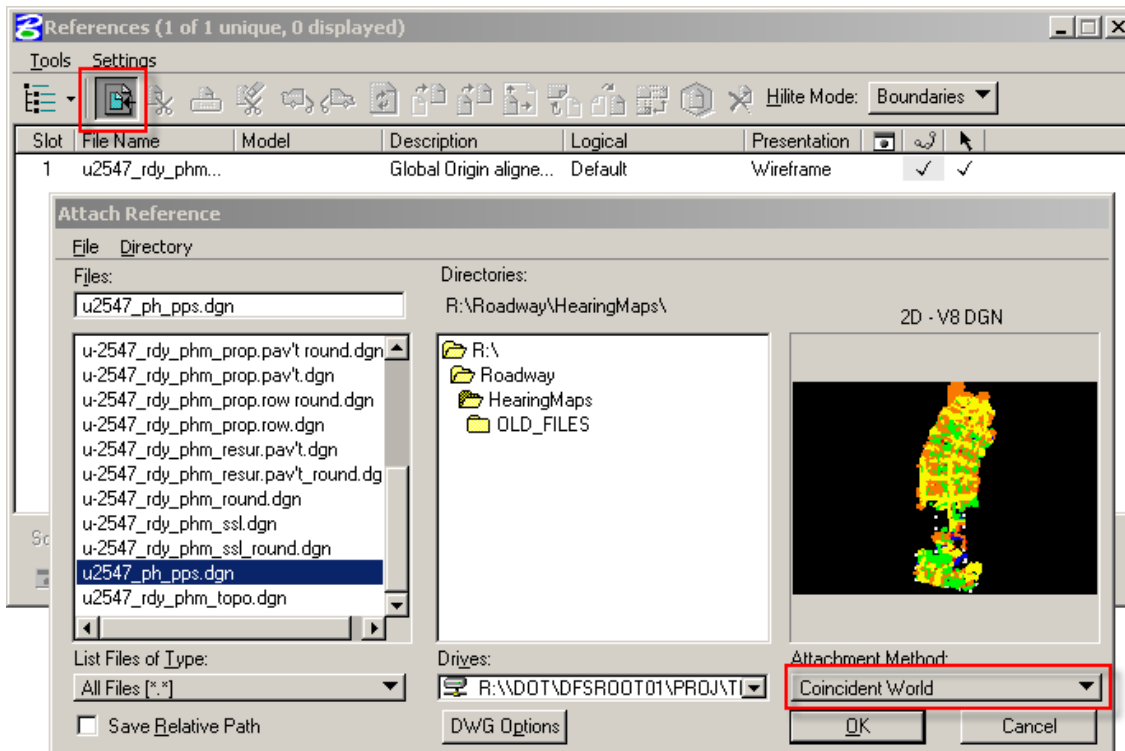
Step 2.

Invoke the **Reference** toolbox.



Step 3.

Reference (attach) all existing TOPO files with attachment method set to “**Coincident World**”.



NCDOT ROADWAY DESIGN PUBLIC HEARING MAP

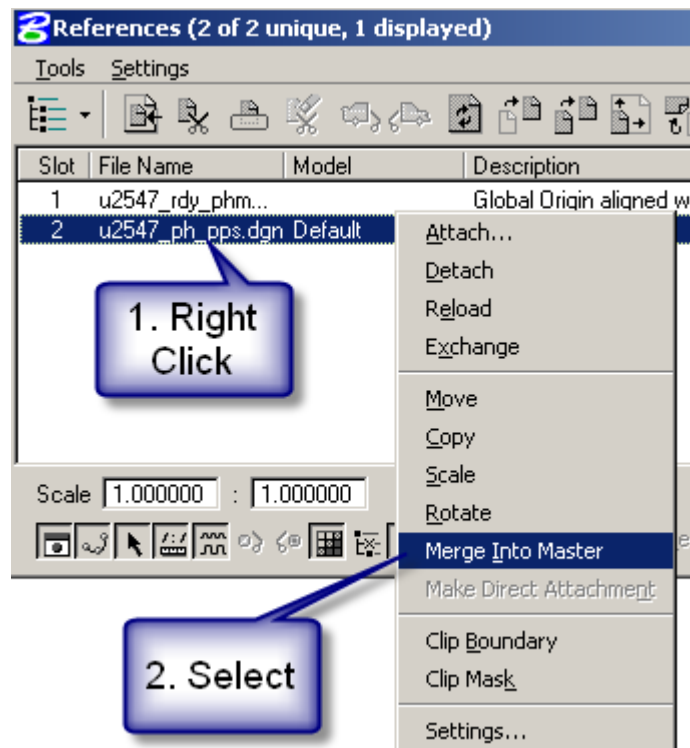
Original Existing TOPO Files

Note original TOPO files (PLN, PS, PML, etc.) can reside in **Photogrammetric** folder. Roadway Design will only be referencing the existing TOPO files. Later on the TOPO files will be merged (copied) to the **RDY PHM Exist TOPO File** model.

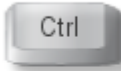
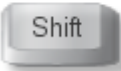
As an option, Roadway Design can copy the TOPO files from the **Photogrammetric** folder to the **Roadway\HearingMaps** folder.

Step 4.

Lastly, merge all existing referenced TOPO files to the active **RDY PHM TOPO File** model.



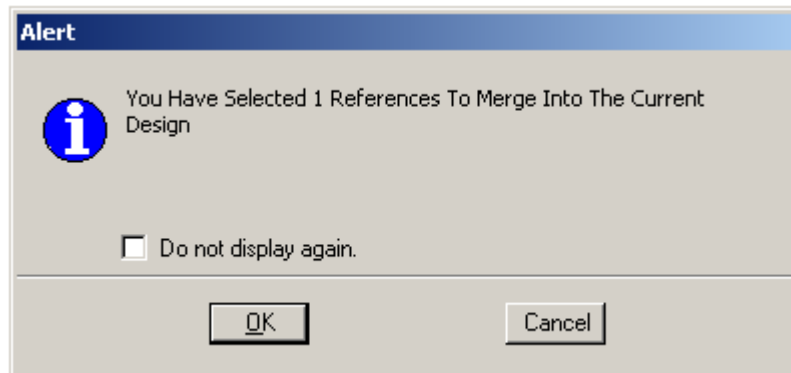
TIP!

	Select individual files.
	Select a range of files.

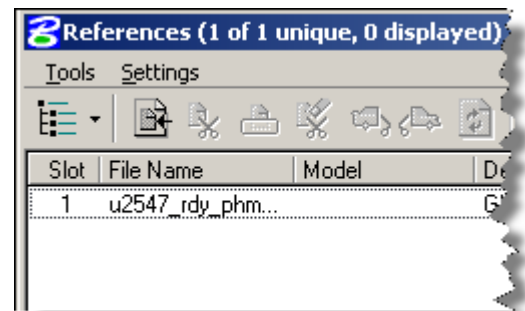
NCDOT ROADWAY DESIGN PUBLIC HEARING MAP

Step 5.

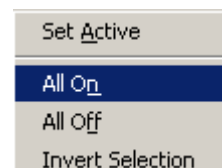
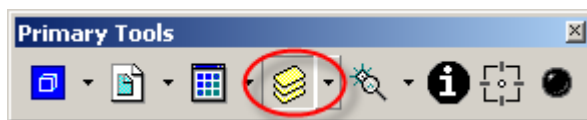
After **Merge Into Master** has been selected, Data Point to the screen and the following message box comes up. Click **OK** to finish the merge process.



Note the once referenced (attached) TOPO file(s) is no longer attached, and now is in the **RDY PHM Exist TOPO File** model.



If the merged elements do not display at first, turn the active filter to **(none)** or **All Levels**. Then turn on all level to be displayed in **Level Display** dialog box.



Does merge into master modify the original attached reference file model?

No. Merge elements of a referenced file model only copies the elements into the active file model. However reference attachments, especially if the nested depth of one or more is used, losses their attachment status and slot position.

Create building shapes?

It is not necessary to create shapes for existing buildings on hearing maps.

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Hands on Review

1. Merge referenced existing file model.
 - Be in the RDY PHM Exist TOPO File model.
 - Referenced TOPO file **u2547_ph_pps_01012007.dgn** in the **Photogrammetric** folder.
 - Attachment Method : **Coincident World**