

NCDOT ROADWAY PUBLIC HEARING MAP

CHAPTER 14: EXISTING RIGHT OF WAY

Navigate to RDY PHM Exist Right of Way Shape Model.

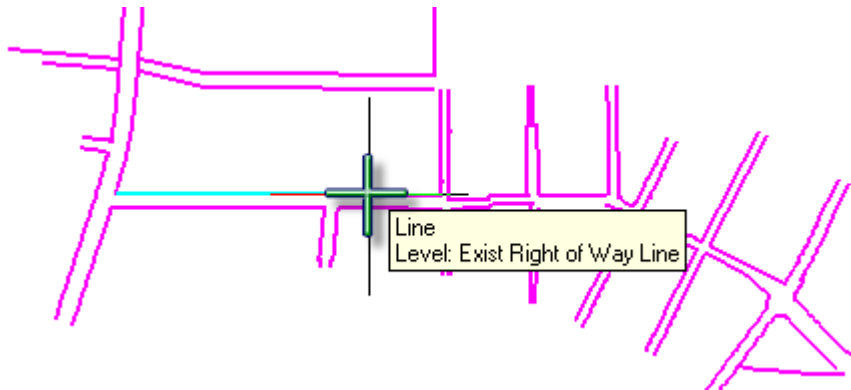
Creating Existing Right of Way Shapes

Step 1.

Complete the process described in the **Turning Off All Levels Except** section of chapter 3. The referenced file model to be turned on is **RDY PHM Exist TOPO File**. The graphical element selected to be turned on and the rest of the levels to be turned off is existing right line, usually on level name **Exist Right of Way Line**.

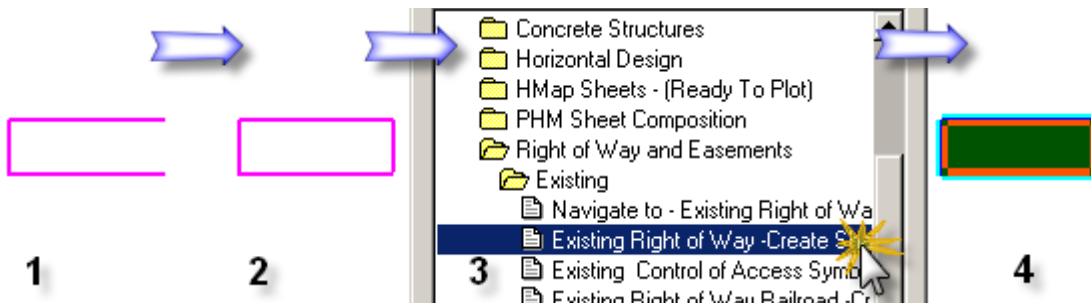
Step 2.

Complete the process described in the **Copying Individual Level from a Referenced File Model** section of chapter 3. Only elements on the existing right of way level are to be copied into this file model.



Step 3A.

Create shapes for the existing right of way. Double-click on the **Exist Right of Way – Create Shape** item in D&C Manager. Remember that the standard method to create hearing map shapes is through the hearing map D&C Manager. Since default tool under the hearing map D&C Manager is Create Region, the boundary of the desired shape has to be closed. It may necessary to close the area with a line or arc element before creating the shape with the flood method. Make sure **Place Influence** is checked.

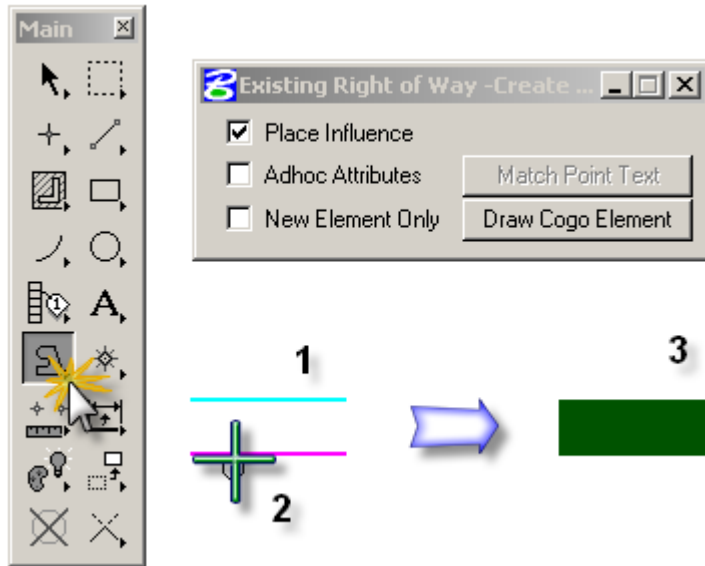


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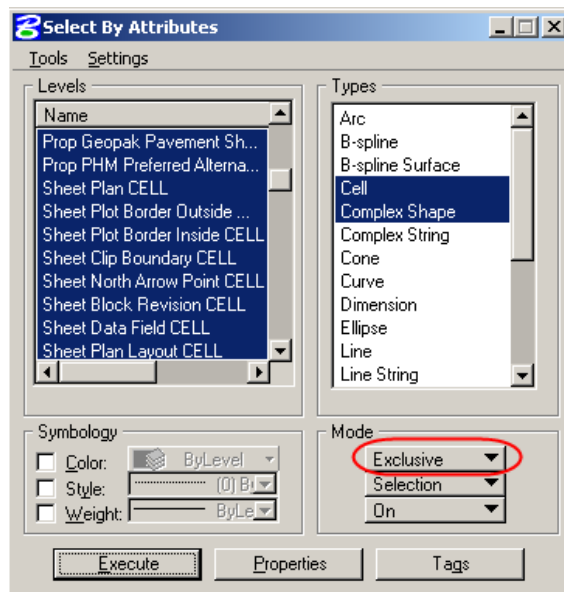
Step 3B.

Option: On some situations, the **Create Complex Shape** tool works better than the default **Create Region** command. While selecting **Exist Right of Way – Create Shape** item and having **Placed Influence** on (checked), click on the **Create Complex Shape** toolbox and identify the shape boundary elements. Remember the boundary elements do not have to close for this tool to work.



Step 4.

Last, once all existing right of way shapes have been created, delete all elements in the active file model except for Cell, Complex Shape, and Shape type elements. Use the **Select by Attributes** tool (chapter 2) to accomplish this task.



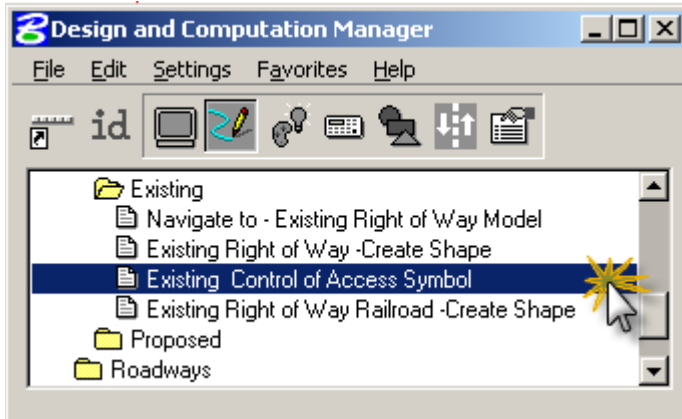
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Placing Existing Control of Access Cell

Navigate to RDY PHM Exist Right of Way Shape Model.

Step 1.

Double-click on the **Existing Control of Access Symbol** item.



Step 2.

Place the origin of the cell (1) on the existing control of access line and rotate tangent (2) to the centerline.



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Creating Existing Railroad Right of Way Shapes

Navigate to RDY PHM Exist Right of Way Shape Model.

Step 1.

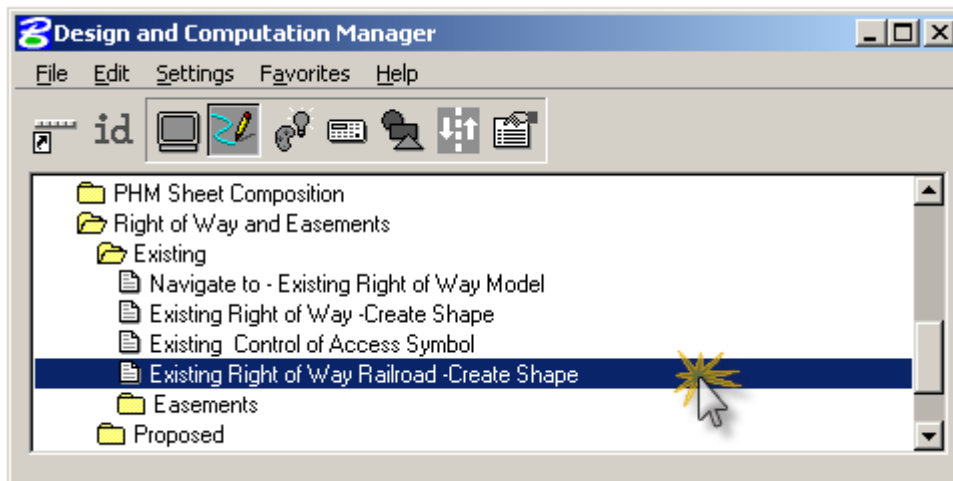
Complete the process described in the **Turning Off All Levels Except** section of chapter 3. The referenced file model to be turn on is **RDY PHM Exist TOPO File**. The graphical element selected to be turn on and the rest of the levels to be turned off is existing railroad right of way line.

Step 2.

Complete the process described in the **Copying Individual Level from a Referenced File Model** section of chapter 3. Only elements on the existing railroad right of way level are to be copied into this file model.

Step 3A.

Last, Create shapes for the existing roadway. Double-click on the **Existing Right of Way Railroad– Create Shape** item in D&C Manager. Make sure **Place Influence** is checked.



Step 3B.



Option: On some situations, the **Create Complex Shape** tool works better than the default **Create Region** command. While selecting **Existing Right of Way Railroad– Create Shape** item and having **Placed Influence** on (checked), click on the **Create Complex Shape** toolbox and identify the shape boundary elements. Remember the boundary elements do not have to close for this tool to work.

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Creating Existing Utility Easement Shapes

Navigate to RDY PHM Exist Right of Way Shape Model.

Step 1.

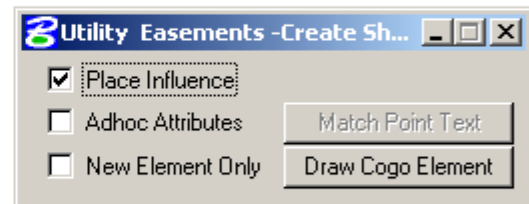
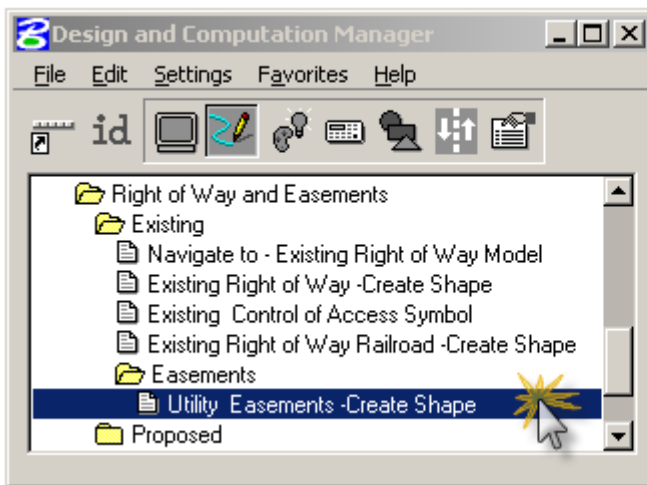
Complete the process described in the **Turning Off All Levels Except** section of chapter 3. The referenced file model to be turn on is **RDY PHM Exist TOPO File**. The graphical element selected to be turn on and the rest of the levels to be turned off is the existing utility easement line.

Step 2.

Complete the process described in the **Copying Individual Level from a Referenced File Model** section of chapter 3. Only elements on the existing utility easement level are to be copied into this file model.

Step 3A.

Last, Create shapes for the existing roadway. Double-click on the **Utility Easements – Create Shape** item in D&C Manager. Make sure **Place Influence** is checked.



Step 3B.

Option: On some situations, the **Create Complex Shape** tool works better than the default **Create Region** command. While selecting **Utility Easements– Create Shape** item and having **Placed Influence** on (checked), click on the **Create Complex Shape** toolbox and identify the shape boundary elements. Remember the boundary elements do not have to close for this tool to work.

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Hands on Review

1. Navigate to the **RDY PHM Exist Right of Way Shape** file model.
2. Create the existing right of way shape for the entire project.