



# Ancillary Data – R/W on XS

## OVERVIEW

Linear Right of Way cells can be placed on Cross Sections quickly and easily using the GEOPAK Draw Ancillary Features tool. This tool places a cell on the cross sections where it crosses a corresponding element in the right of way (R/W) dgn file.

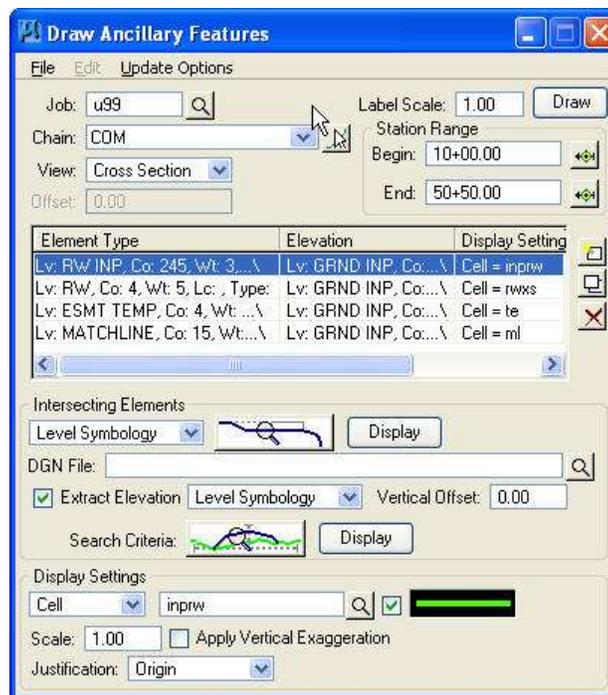
## SET-UP

1. Copy the standard Ancillary File Data (mndotr.afd) file to your ProjectWise project folder (XS folder).

The mndotr.afd is located in ProjectWise at the following location:

[pw:\PW8i.ad.dot.state.mn.us:cadp\Documents\CADDStandards\MnDOTStandards\DOT\\_GEOPAK\preference\mndotr.afd](pw:\PW8i.ad.dot.state.mn.us:cadp\Documents\CADDStandards\MnDOTStandards\DOT_GEOPAK\preference\mndotr.afd)

2. Rename this file to indicate which cross section file this application is run on (Example: 23eb\_rw.afd).
3. Open the Cross Section file that you want the right of way plotted in.
4. Select **Applications > GEOPAK > ROAD > Cross Sections > Draw Ancillary Features**.
5. Load the copied .afd file into the Draw Ancillary Features dialog. **File > Load**.



6. Populate the top part of the dialog with the following information:
  - Job No: (browse to your GPK)
  - Chain: (select the chain that was used for your cross sections)
  - View: (Cross Section)
  - Label Scale: (100)
  - Station Range: (Auto populated with Begin and End Stations). This can be modified if all sections are not going to be used.

## MODIFYING THE ELEMENT SET

The pre-populated Intersecting Elements are based on level, and color of elements placed in a Right of Way design file. These elements all have unique symbology (based on GEOPAK SMD/DDB symbology) that indicates different types of linear R/W lines. This is only a partial list of possible items and others may be added by the user.

The Intersecting Element Types and Display Settings must be modified to point to the DGN file where the Intersecting Elements can be found.

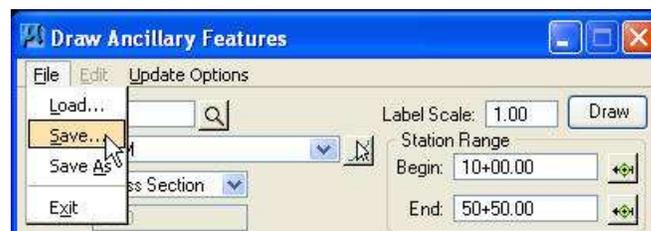
1. Highlight the Element Set to be modified.
2. Click the Browse button to the right of the DGN File field.
3. Browse to the location of the R/W file.
4. Select **Open**.
5. Click the **Modify Element Set** icon.
6. Repeat this process for each of the Element Sets that you will be locating for this project.

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**Hint:** Using the Copy/Paste functions may speed up this process. Remember to click Modify Element Set each time.

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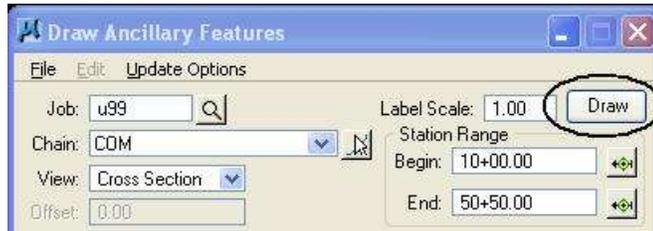
7. Save the settings of the Draw Ancillary Features dialog for future use. **File > Save** or **File > Save As**.



## DRAW R/W ON THE CROSS SECTIONS

Once the Intersecting Elements and Display Settings have been sufficiently modified, it is time to draw the R/W information to the cross section file.

1. Click **Draw** from the upper right corner of the Draw Ancillary Features dialog.



2. Select one of the following Update Options:

- **Delete Existing Elements and Redraw** – Deletes previously drawn ancillary data and redraws new.
- **Delete Non-Modified Elements and Redraw** - Deletes previously drawn ancillary data and redraws new, unless the data has been modified (moved, edited, etc).
- **Draw on Top of Existing Elements** – Ignores previously drawn elements and draws new elements. **WARNING - This could produce duplicate elements in the xs file.**

The process will begin. This may take a few minutes, depending on the amount of R/W being drawn.

3. Use the Cross Section Navigator to verify that the R/W cells have been correctly located on the cross sections.