

InRoads – Drafting Notes for Milepost/Offset

Drafting > Place Plan Note

Overview

Drafting Notes are handy because annotation dynamically updates with an alignment stationing change - the use of drafting notes for station/offset is well documented in the IR201 training. This technote provides additional information on how to attach the WSDOT drafting notes (.dft) file and create drafting notes that label **Milepost/Offset**.

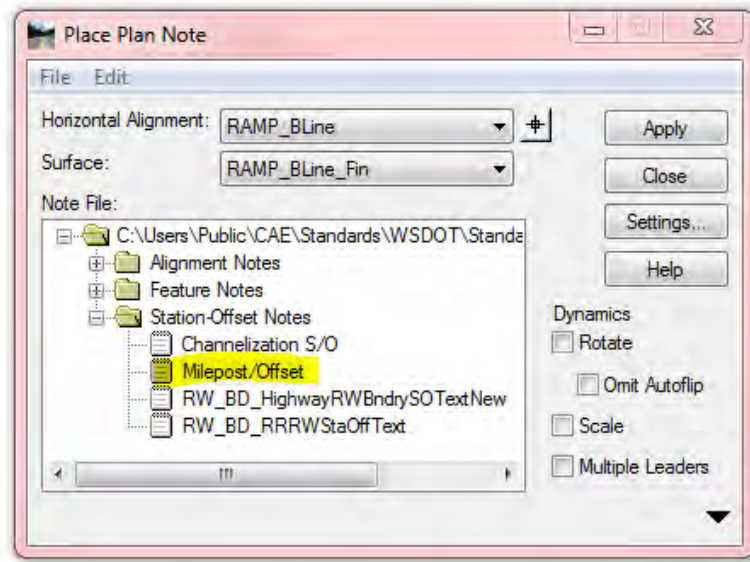
Workflow

A current copy of the WSDOT Resources that includes the **wsdot_dnotes.dft** drafting note must be loaded in InRoads. Stationing of a point on the alignment will then need to be defined in InRoads as its equivalent milepost in feet ($MP \times 5280 = MP \text{ in feet}$). The **Milepost/Offset** drafting note can then provide milepost and offset annotation of any point in the file based on the active alignment.

A step by step description of this workflow follows.

1. In InRoads, select *Drafting > Place Plan Note*.

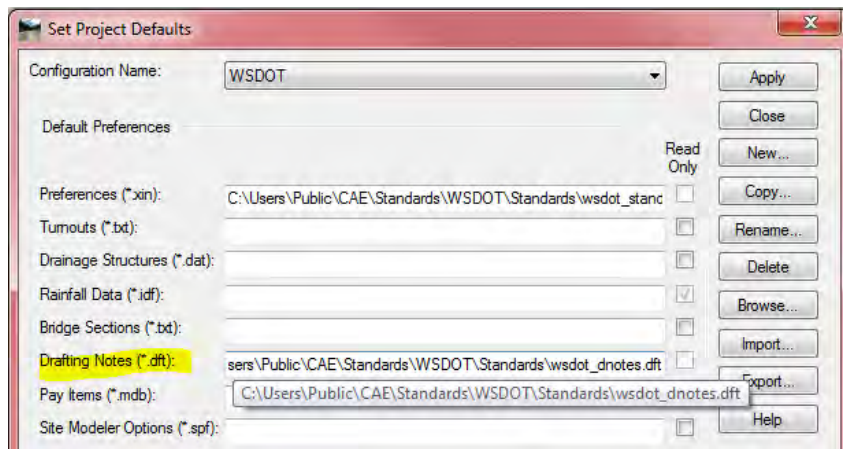
If the **Milepost/Offset** note is available in the **Station-Offset Notes** folder, skip to step 4. Continue with step 2 if the drafting note is NOT available.



2. Select *File > Open* in the Place Plan Note dialog to path to *C:\Users\Public\CAE\Standards\WSDOT\Standards* and open **wsdot_dnotes.dft**.

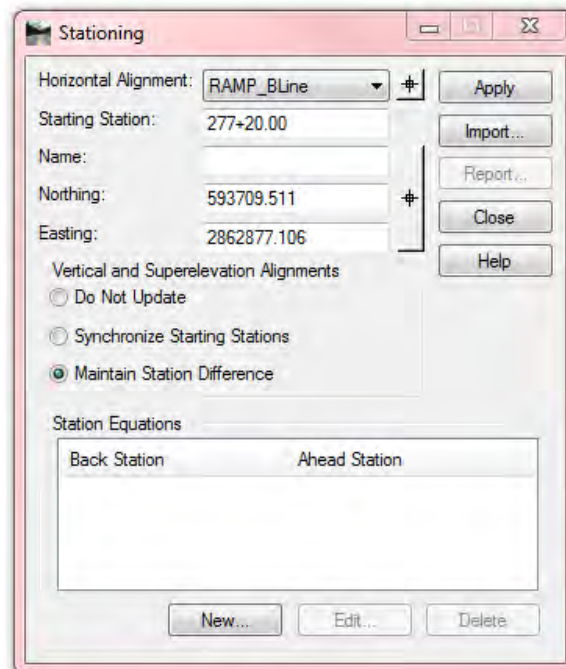
If the **Milepost/Offset** note is still missing, it will be necessary to refresh the WSDOT Resources at *Start > All Programs > Engineering Applications > WSDOT Utilities > Refresh Resource*.

- Once the current **wsdot_dnotes.dft** is available, it is a good idea to set it as a **Project Default** so that the **wsdot_dnotes.dft** file will always be the project default.



The stationing of the alignment will need to be converted from stations to mileposts. Alternatively, a copy of the alignment (*Geometry > Copy Geometry...*) could be converted to mileposts and the original alignment remain in stations.

- In InRoads, select *Geometry > Horizontal Curve Set > Stationing*.



- Verify that the correct horizontal alignment is active and - using the picker - select any point on the alignment that has a known milepost.
- Calculate the milepost equivalent of the selected point in feet (example: $MP\ 5.25 \times 5280 = 27720$ ft.) and type this value into the *Starting Station* field. Choose the appropriate method of synchronizing the vertical and superelevation alignments for your project and click **Apply**.

7. Go back to the **Place Plan Notes** tool and select the **Milepost/offset** note from the **Station-Offset Notes** folder. Click **Apply** and select the beginning of the alignment (or the point that was used in setting the stationing in step 5) to verify that the M.P. is correct.



8. The **Place Plan Notes** tool can now be used to define M.P. and offset for any point in the DGN. Basic plan note tool settings such as scale, rotate, etc. are available if desired.



NOTE: Precision display is set in the InRoads **Project Options**. Choose the number of significant digits under *File > Project Options > Precision > Linear* pull down.

For questions or comments on this tech note, contact your regional CAE Support Coordinator or the WSDOT CAE Help Desk at (360) 709-**8013**.