

Draw Crash Data

1 Introduction

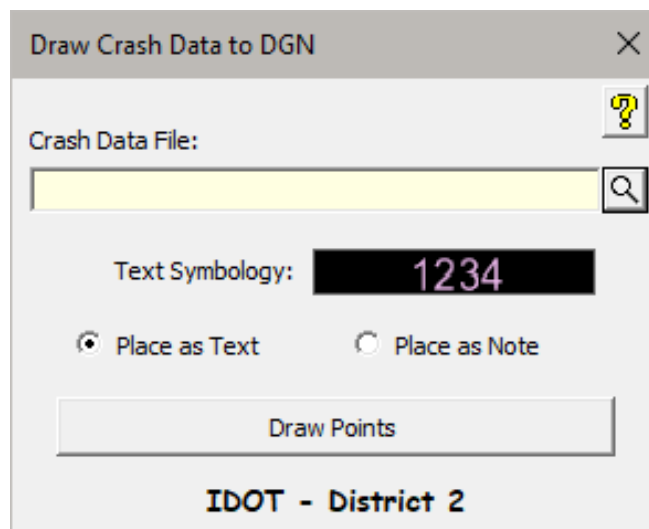
CrashData.mvba is a MicroStation visual basic application created to place the project accident crash data in a dgn file. All elements are drawn using the correct IDOT symbologies and level assignments.

1.1 Draw Crash Data to DGN

The *Draw Crash Data to DGN* application is activated by use of the following key-in command:

vba run [CrashData]modCrashData.Start

When the command is executed, the main dialog is displayed as shown below



Crash Data File

Click on the magnifying glass to browse to the location of the Crash Data file that will be read to place the text.

Text Symbology

Double click on this box to set the text label symbology.

Place as Text

Click this button to place the crash data as text.

Place as Note

Click this button to place the crash data as a note.

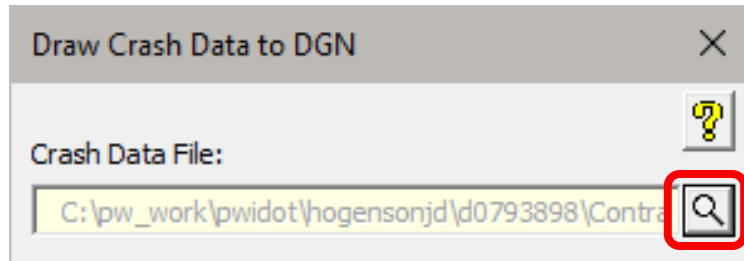
Draw Points

Pressing this button will draw the crash data text to the dgn file

Draw Crash Data

1.2 Operation

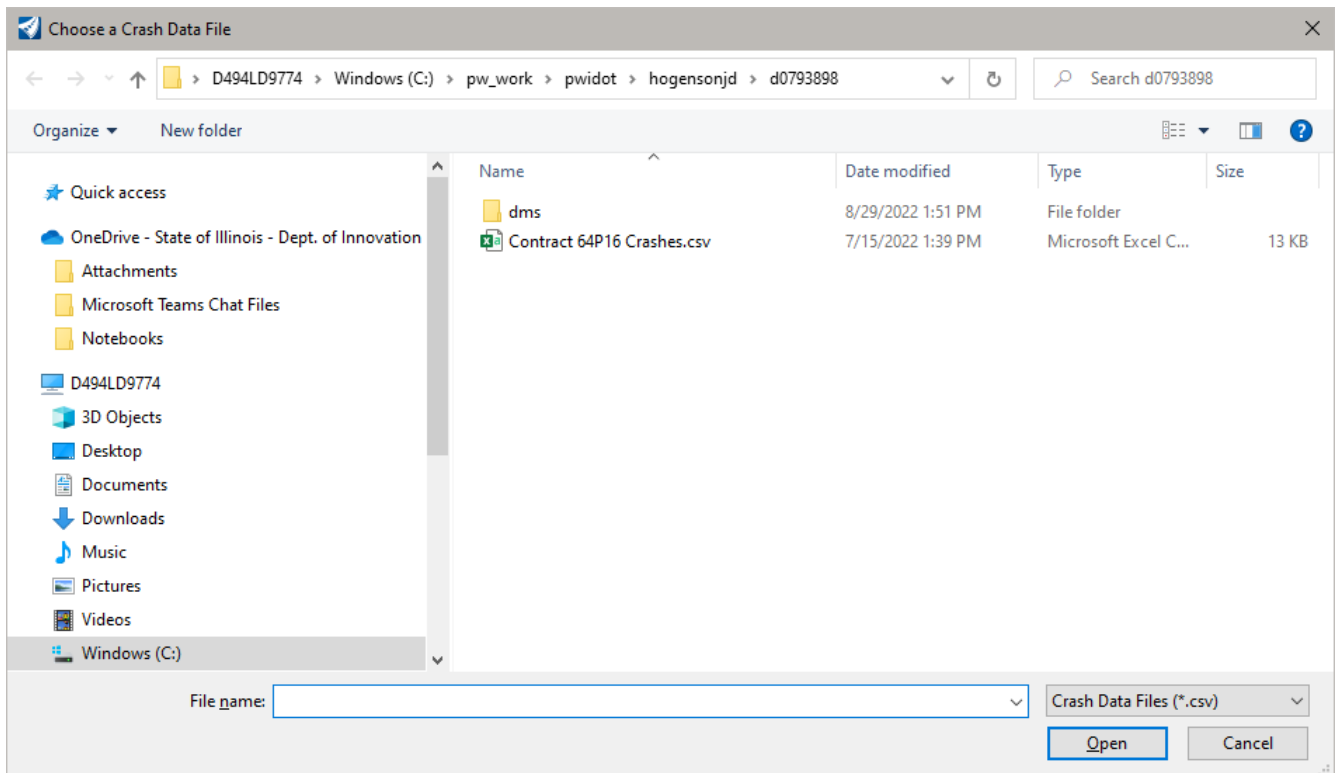
The top portion of the dialog displays the file path of the Crash Data .csv file that will be read for placing the text.



Click on the question mark to open a help file for this application.

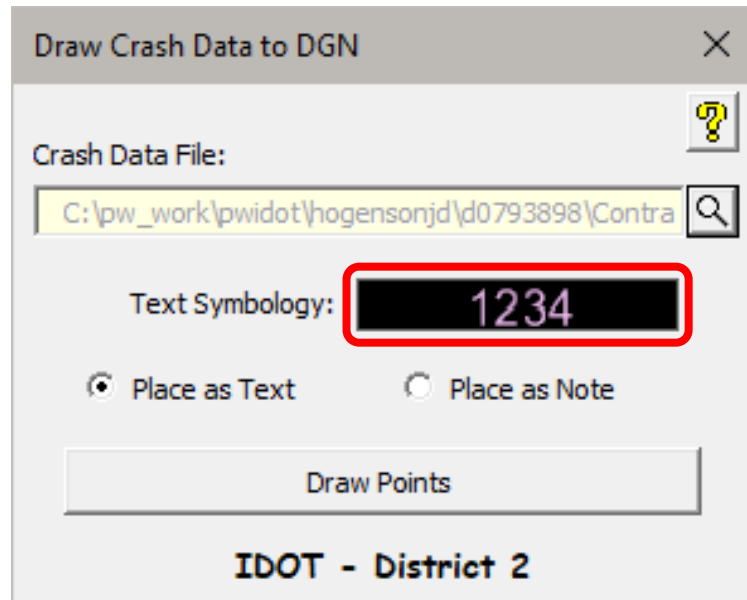
Crash Data File

Click on the magnifying glass to browse to the location of the Crash Data file that will be read to place the text.

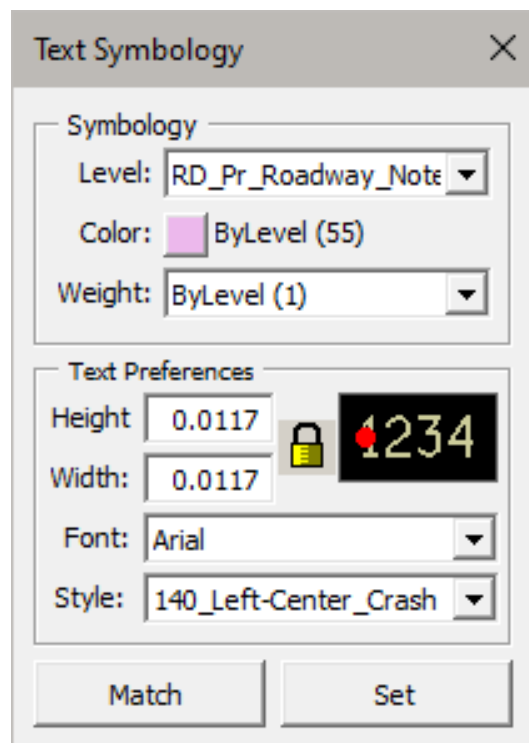


- Navigate to the file location, select it, and click *Open*.

Draw Crash Data

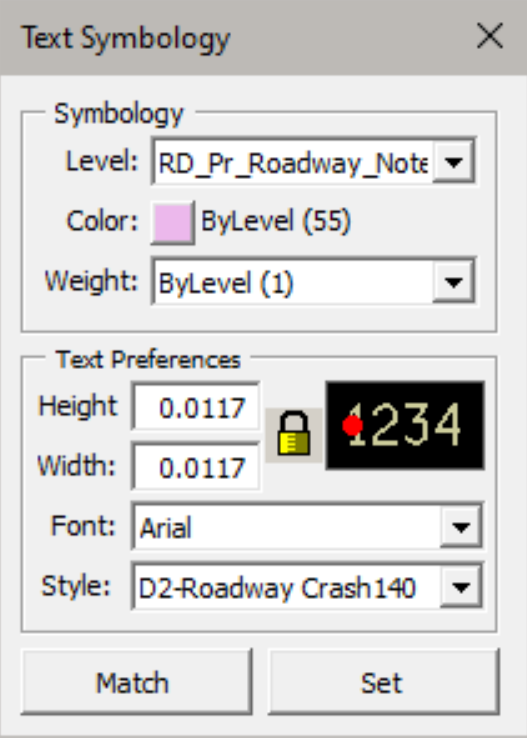


- Clicking on the black space to the right of *Text Symbology* will display the following dialog for *Place Text*.



Draw Crash Data

- Clicking on the black space to the right of *Text Symbology* will display the following dialog for *Place Note*.



The image shows a 'Text Symbology' dialog box with a close button (X) in the top right corner. It is divided into two main sections: 'Symbology' and 'Text Preferences'. The 'Symbology' section contains three controls: a 'Level' dropdown menu set to 'RD_Pr_Roadway_Note', a 'Color' field with a pink color swatch and the text 'ByLevel (55)', and a 'Weight' dropdown menu set to 'ByLevel (1)'. The 'Text Preferences' section contains four controls: a 'Height' text box with '0.0117', a 'Width' text box with '0.0117', a 'Font' dropdown menu set to 'Arial', and a 'Style' dropdown menu set to 'D2-Roadway Crash140'. To the right of the 'Height' and 'Width' text boxes is a small preview window showing the number '1234' in a yellow font on a black background, with a yellow padlock icon to its left. At the bottom of the dialog are two buttons: 'Match' and 'Set'.

Match

Click on this button to match any text attributes in the dgn file.

Set

Click on this button to save the dialog settings. The settings will be used to place the text in the dgn file.

Place as Text

Click this button to place the crash data as text in the dgn file.

Place as Note

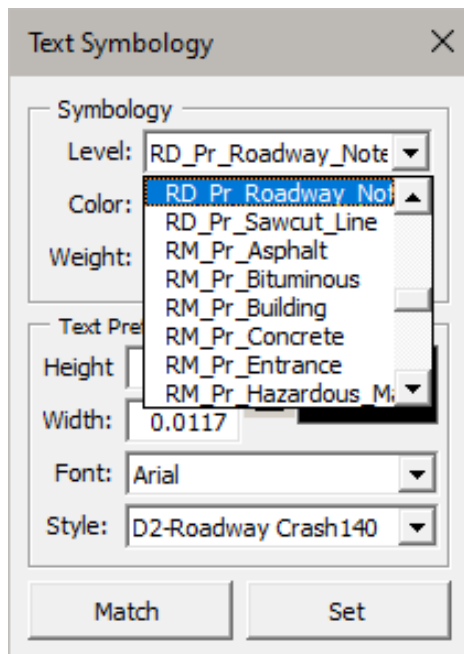
Click this button to place the crash data as a note in the dgn file.

Draw Points

Click this button is used to draw the crash data text to the dgn file.

Draw Crash Data

- Click on the drop-down arrow next to the *Level* field to change the level.

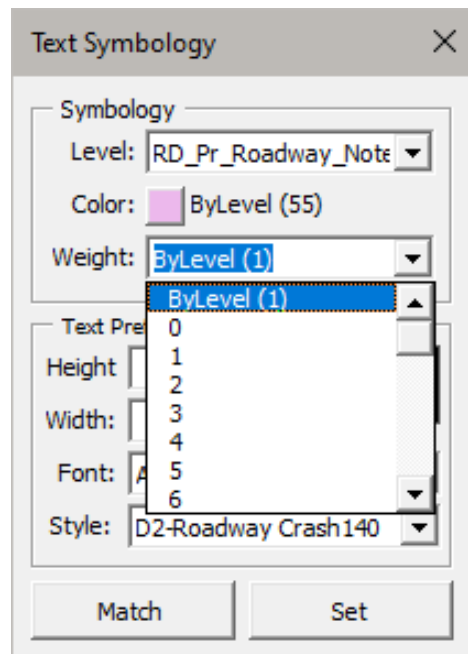


- Click on the color button next to *Color* to change the color and click on the desired color square.

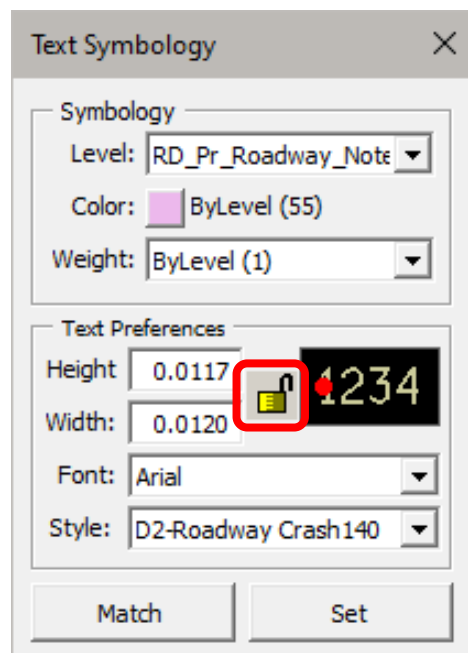


Draw Crash Data

- Click on the drop-down arrow next to the *Weight* field to change the weight.

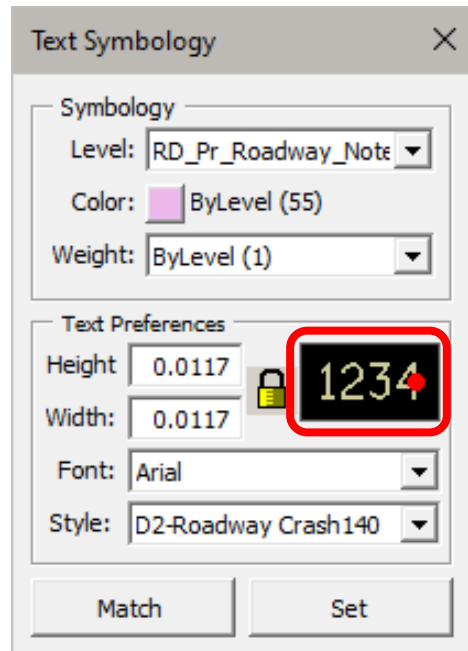


- Click on the padlock icon to unlock the *Height* and *Width* fields so that different values can be entered for the height and width

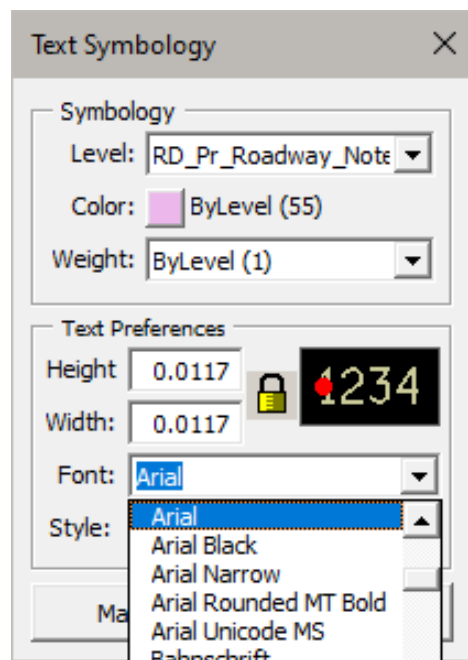


Draw Crash Data

- Click on a location within the black 1234 square to set the justification of the text. The red dot indicates the justification location. In the example below it will be set to right center.



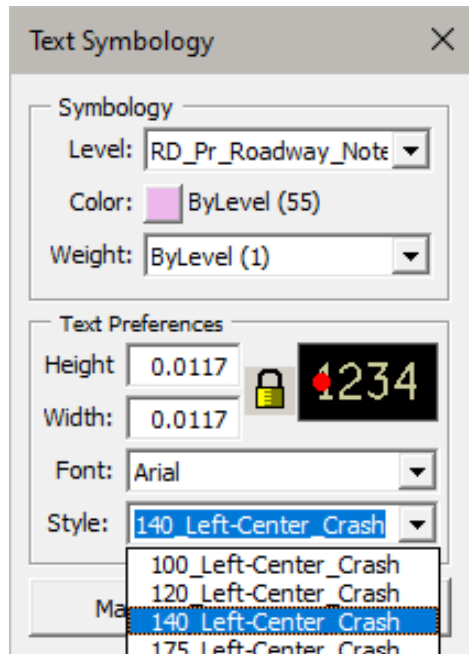
- Click on the drop-down arrow next to the *Font* field to change the font of the text.



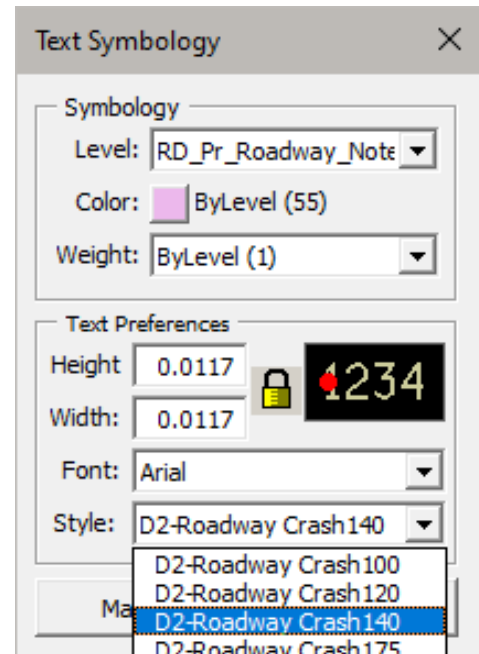
Draw Crash Data

- Click on the drop-down arrow next to the *Style* field to change the text style.

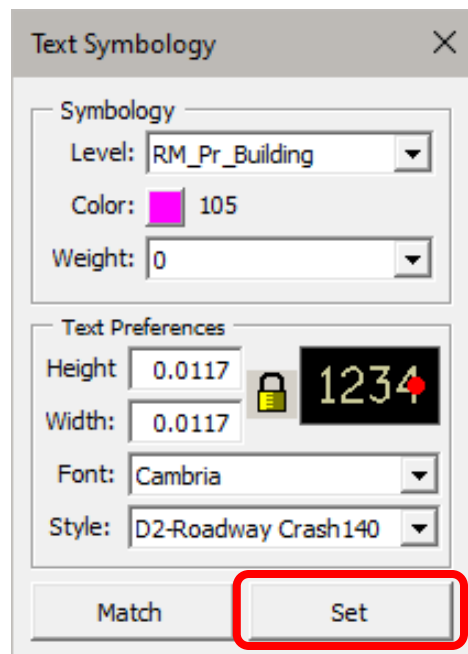
These are the text styles available
for *Place as Text*



These are the text styles available
for *Place as Note*



- Click on the *Set* button to accept the changes made to the *Text Symbology* dialog.



Draw Crash Data

2 Examples of Draw Crash Data

Below is an example of the crash data when the *Place as Text* option is selected. The text is view independent and will stay horizontal in the view even if the view is rotated. The raster image behind the text is masked no matter where the text is moved to.



Below is the same location but with the view rotated.



Draw Crash Data

Below is an example of the crash data when the *Place as Note* option is selected. The raster image behind the note is masked no matter where the note is moved to.



Below is the same location but with the notes moved to different locations.



Draw Crash Data

The only caveat to placing the crash data as a note is that the notes are not view independent and will not stay horizontal when the view is rotated.

