



OHDOT_PavtMarking.mvba

Description:

The OHDOT_PavtMarking.mvba application is a MicroStation Visual Basic application to assist the user with the placement of various chevron pavement marking options.

Loading the Application:

The application is located in the following folder within the OHDOT CADD Standards:

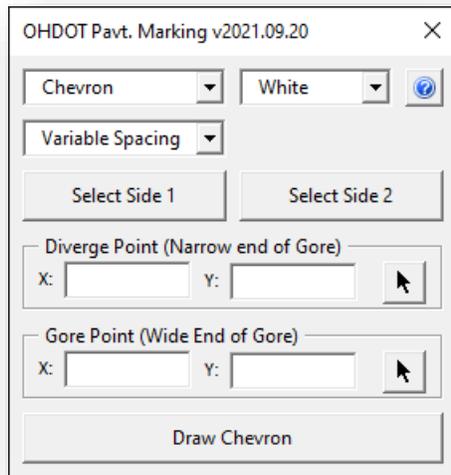
```
..\OHDOT\Standards\Vba\
```

The application is run within OpenRoads Designer using the following key-in command:

```
vba load OHDOT_PavtMarking;vba run Run_PavtMarking
```

The application can also be accessed from the Ohio DOT ribbon menu within OpenRoads Designer (Ohio DOT > Apps > Plan Preparation > OHDOT Pavt Marking).

The dialog shown below is loaded.



The application allows selection of **Chevron** or **Separation** pavement marking placement. Either can be placed using **Variable Spacing** or **Fixed Spacing**, or as **White** or **Yellow**.

When **Variable Spacing** is selected, the application places the pavement markings using the spacing defined in Standard Construction Drawings TC-71.10 and TC-72.20. The spacing is not user definable with this version of the application.

When **Fixed Spacing** is selected, the application places the pavement markings using the spacing defined by the user. The default value is 48'.

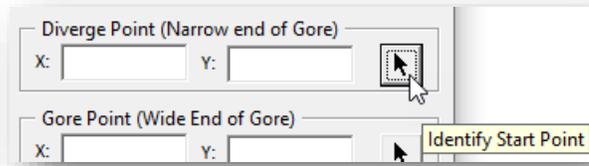
The **Select Side 1** and **Select Side 2** options are used to select the channelizing lines that will bound the chevron area. Multiple elements can be selected for each side.

- Issue a data point (left-click) on an element to select it. Right-click to end the selection.
- If more than one element is to be selected for a side, continue selecting the elements for the side. When all of the elements have been selected, issue a right-click to end the selection process. The elements are connected together in memory to form one continuous temporary element.
- After a right-click has been issued, temporary arrows are drawn in the file indicating the direction of the element.



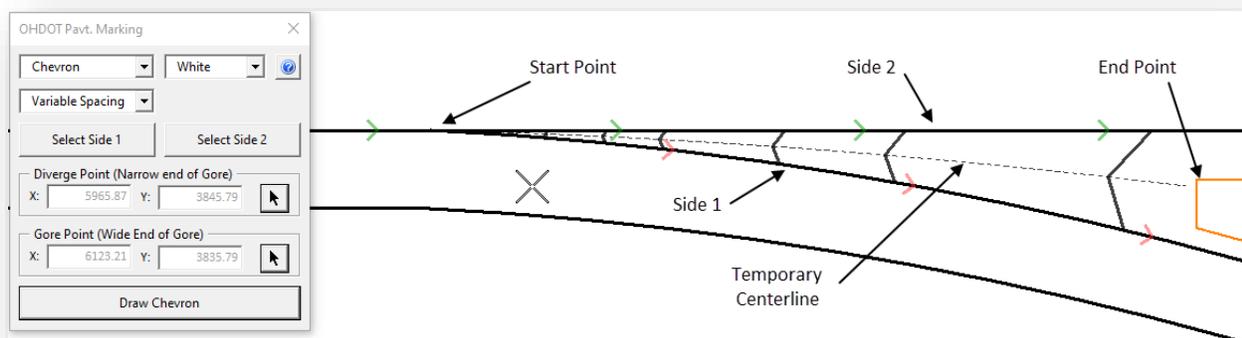
Next, identify the starting (**Diverge Point**) and ending (**Gore Point**) location for the chevron or separation graphics.

- Click the icon to identify the start or end point as shown below



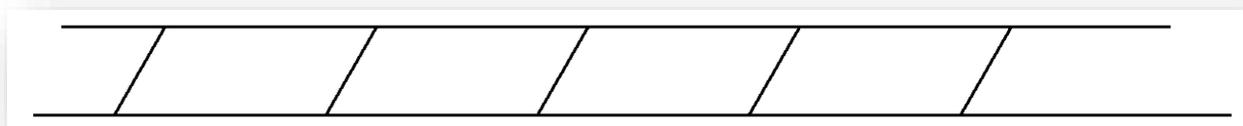
- Issue a data-point in the design file at the start or end point location
- The coordinates for the start and end point are reported in the dialog after each location has been identified.

Select the **Draw Chevron** button to initiate the placement process. The graphics for the chevron and a temporary centerline are displayed like the example below.



- The chevron graphics are drawn from **Side 1** to **Side 2**.
- Moving the cursor left or right past the center point of the chevron will flip the direction of the chevron graphics
- Issue a Data-Point to accept the placement of the graphics
- The graphics are place as a Graphic Group

An example using the **Separation** and **Fixed Spacing** with a value of **48** is shown below.





Contacts

For any questions, suggestions, or problems with this application please contact the ODOT Office of CADD and Mapping Services by use of the following form on the ODOT website:

https://odot.formstack.com/forms/cadd_servicerequest
