

Displaying Stationing

Alignment Stations are displayed via the Stationing command.

1. Select InRoads>Geometry>View
Geometry>Stationing

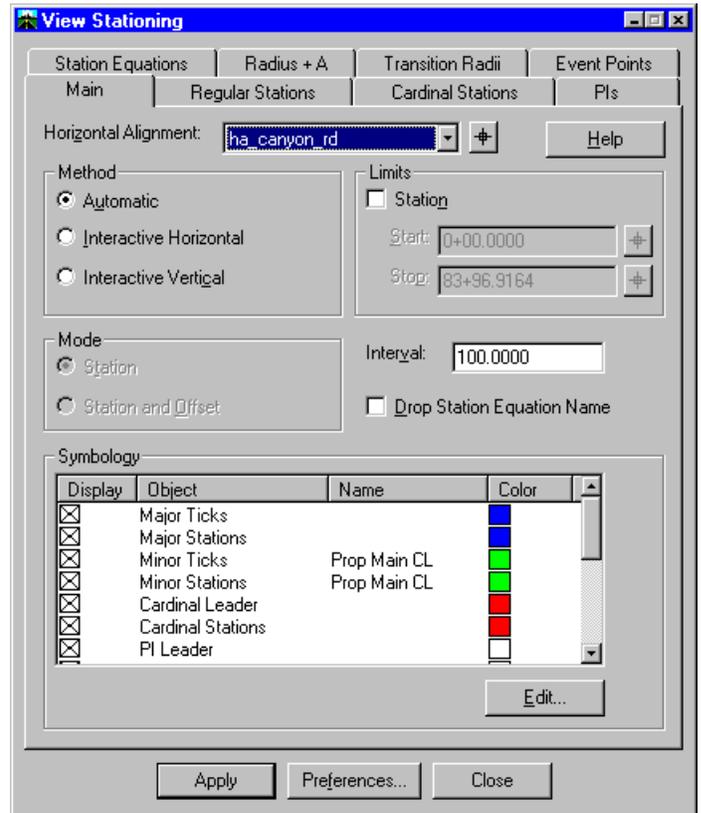
The Stationing command is like most InRoads commands: completely customizable and, therefore, containing a large number of controls under multiple tabs.

Again, it is best to try pre-defined Preferences before spending a great deal of time tweaking the various toggles.

The Main Tab contains the pick list to choose which Horizontal Alignment to Station.

2. Make sure that the Horizontal Alignment is set to "ha_canyon_rd".

Other highlights include the Interval keyin and the Symbology frame which allows defining whether to (check box) and how to (symbology settings) display the various stationing elements.

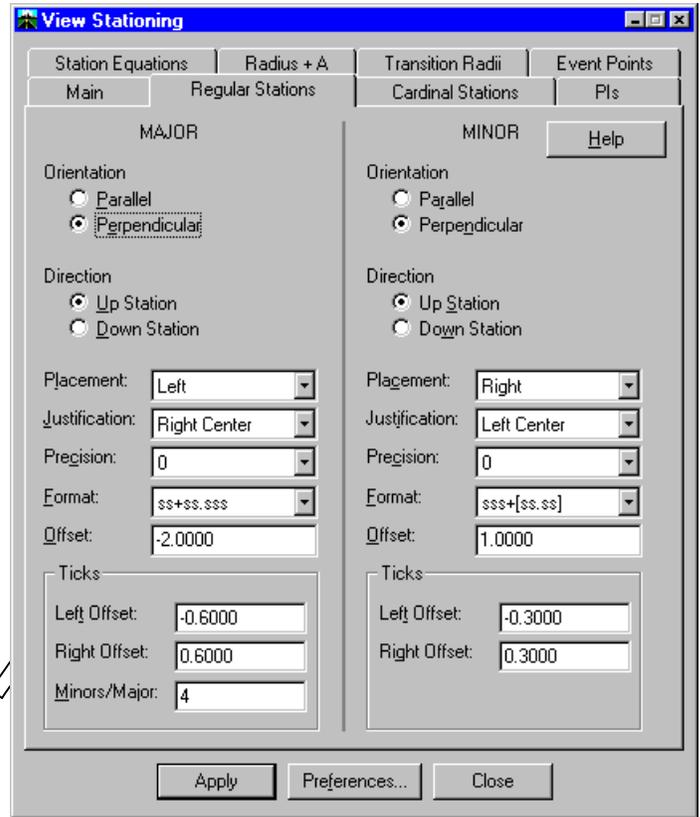


3. Hit the Regular Stations tab.

The Regular Station tab holds the controls for the major and minor stationing elements that occur at the Interval specified on the Main form. Settings for the orientation, direction, justification, format, precision and other elements of the station callouts and tick marks are found here.

The Minors/Major ratio is set here.

Note the Minor Station format here is $sss+[ss.ss]$. The labels for minor stations will show only the information within the brackets.



Controls in the additional tabs are similar in format to those Regular Stations allow customization for labels and leaders for :

- Cardinal Stations points defining the alignment such as POB, PC, PI, PT, POE, etc.
- PI's defines how the PI labels appear
- Station Equations user defined points where the station is redefined
- Radius + A labels radius for curves and "infinity" for tangents
- Transition Radii (new with v8.4) labels transitional curve radii
- Event Points user defined points of interest such as monuments or minimum clearance points, etc.

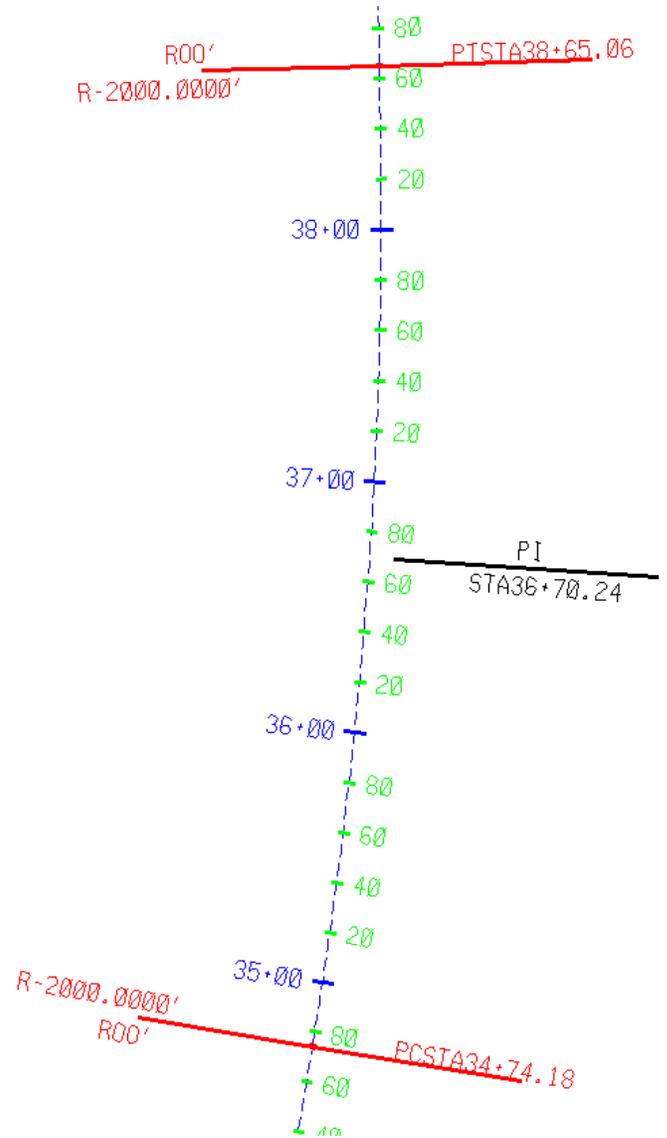
An example of the results of the stationing command is shown below:

Sample: NOT FOR

4. Hit Apply.
5. Zoom in tight enough to see the stationing text.

Note: All the text and leader lengths are multiplied by the Global Text Scale Factor (found under InRoads>Tools>Options>>Factors). If all the text is too large or too small, changing the Global Text Scale Factor and re-Displaying the Stationing is the easiest and fastest way to change the size).

This display is multi-colored to show the which graphics belong to which Station element type (Regular, Cardinal, PI's, etc.).



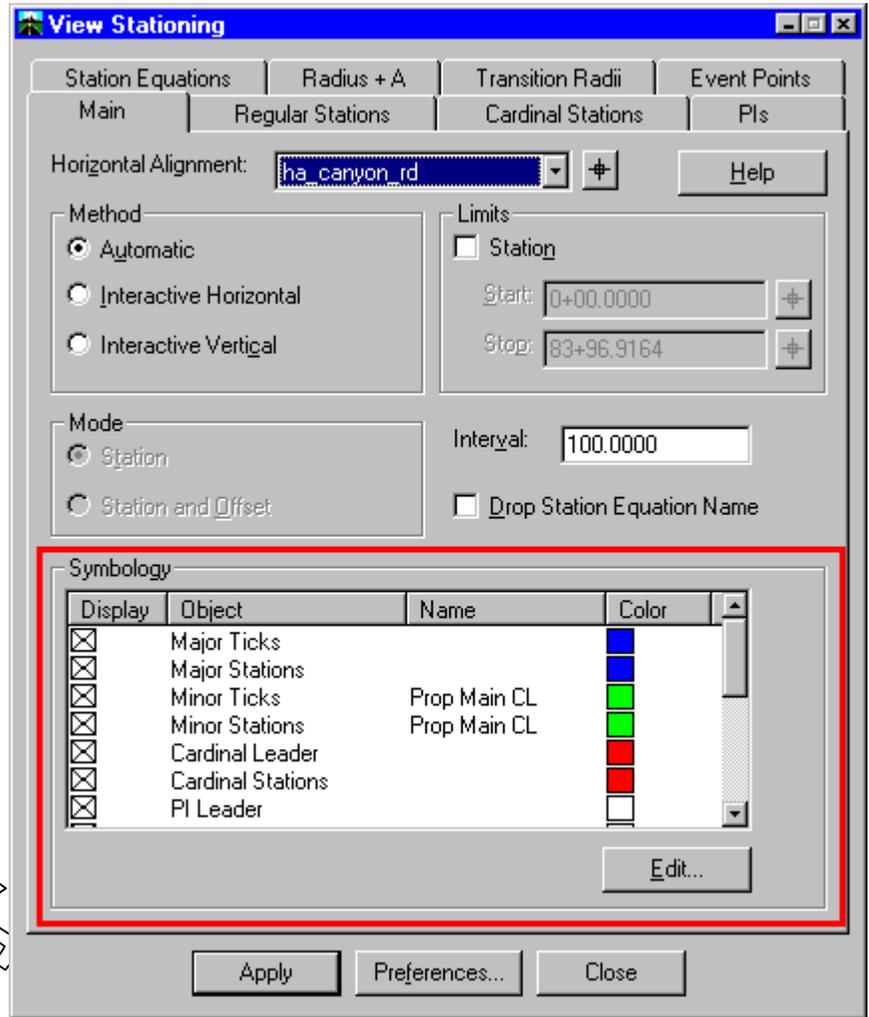
Example: Displaying Stationing According to Agency Standards

Let's assume we want to display the stationing according to an agency standard symbology. The agency requires all the Stationing to be displayed as green lines on Level 5 and green text on Level 6.

How do we display this according to the agency standards?

The Long, Hard, Tedious Way:

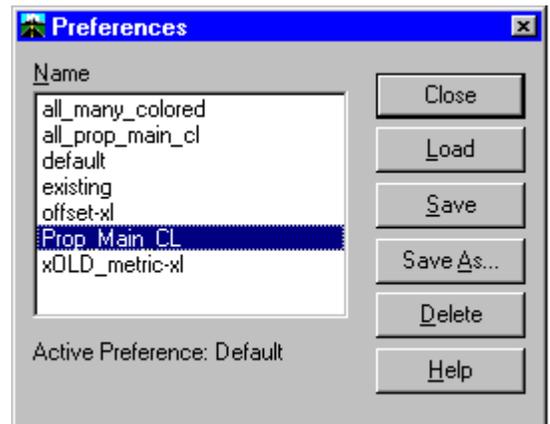
We can edit each of the 16 different objects (lines, ticks and leaders) and text can have different symbology for the same station object.



The Easy, Consistent, and Good QC Way:
Look for pre-defined settings.

Our InRoads Administrator has set up a predefined definition (a Named Symbology) for the agency proposed centerline standard called Prop Main CL. He has also set up a Preference set that uses the Named Symbology called Prop Main CL.

6. Hit the Preferences button.
7. Select Prop Main CL
8. Hit Load
9. Close the form.

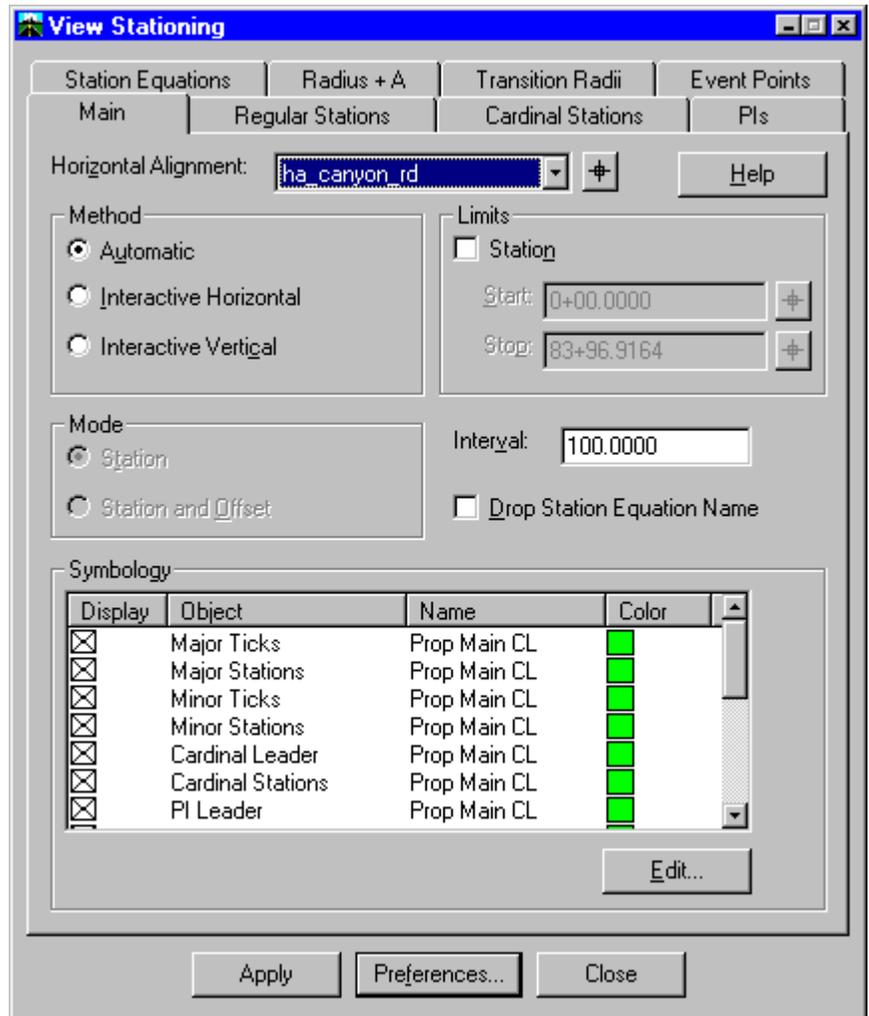


This loads the “Guaranteed Standard” settings created by the InRoads Administrator (if the settings are not correct, it is HIS fault, NOT yours!).

Notice in the Symbology frame the Name column shows that the objects symbology conforms to a predefined setting (a Named Symbology) called Prop Main CL.

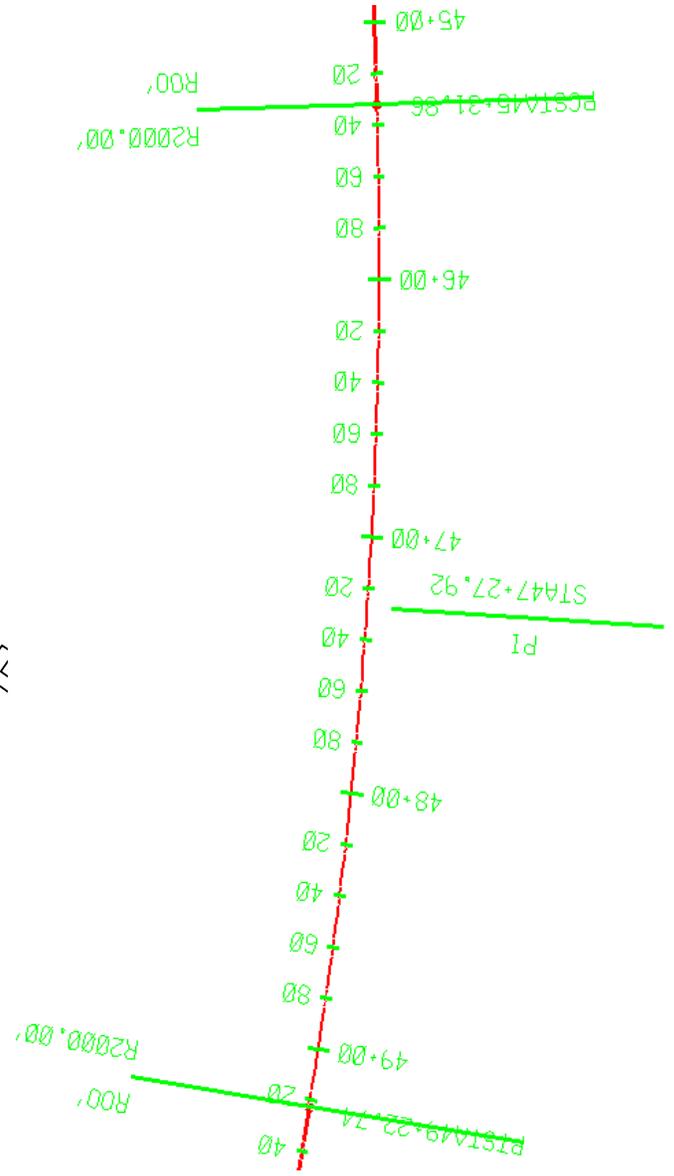
Any change to the symbology causes the Name to disappear since it no longer conforms to a predefined standard.

10. Hit Apply.



The new "Standard" Stationing is displayed.

Note: feel free to explorer other Preferences.



Admin Note: the Default Preference is the Same as the Many Colored Preference. If you want to make the Default Preference conform to the Agency Standard you can invoke the Preferences form and overwrite the Default preference using the Save or Save As buttons.

Sample: Not for Instruction