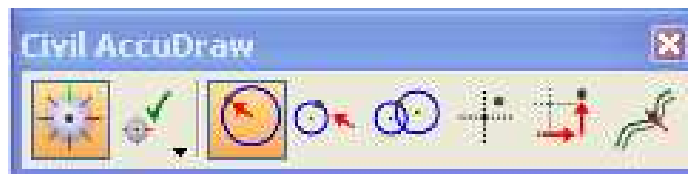# Civil AccuDraw

- Tools > Civil AccuDraw >Activate Toolbar

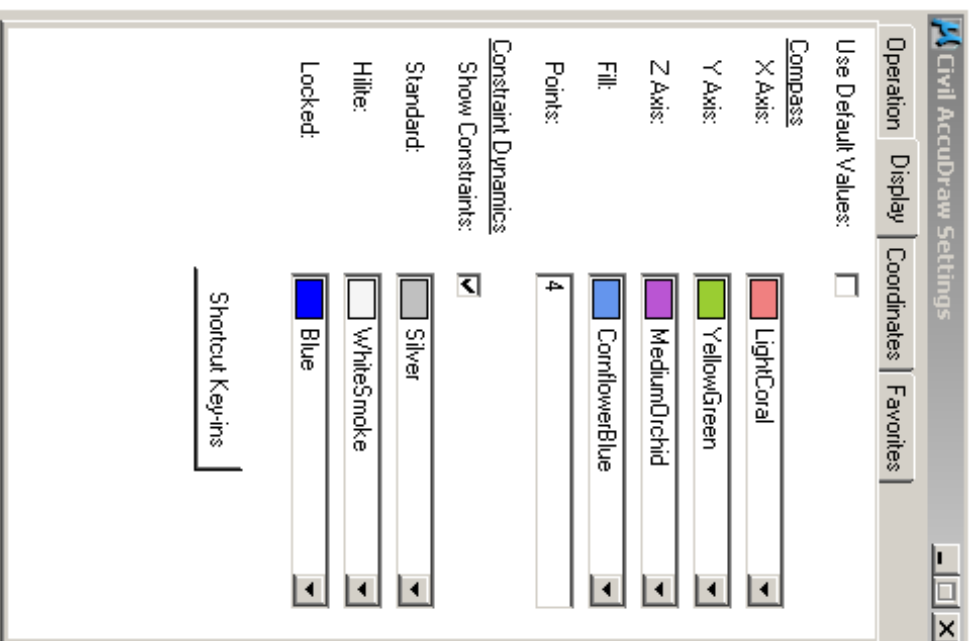2D

3D

Bentley

Civil AccuDraw

- Toggle Civil AccuDraw
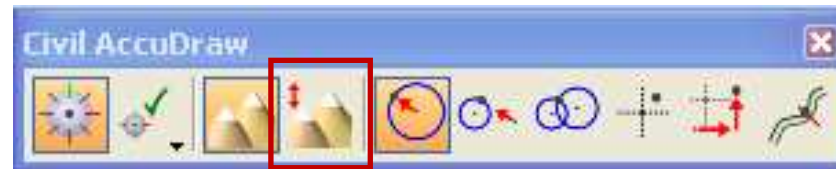
Civil AccuDraw

Civil AccuDraw

- Z

Distance	1412.8326	
Direction	08°17'08.0549"	
Z	23.0000	🔒

- DZ

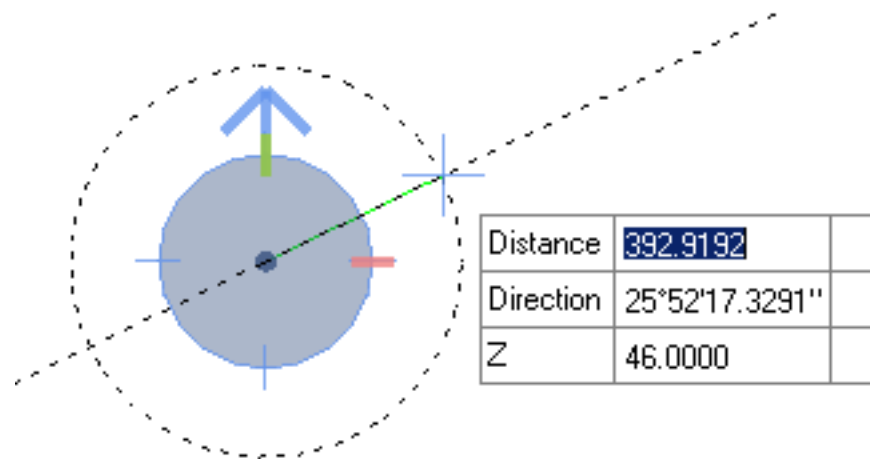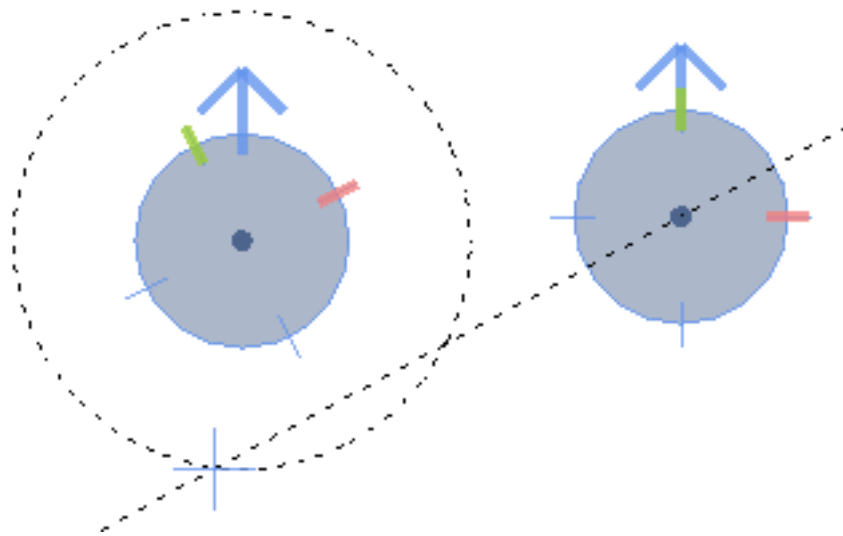| Distance	761365.9723	
Direction	52°12'44.3976"	
DZ	23.0000	🔒

Civil AccuDraw
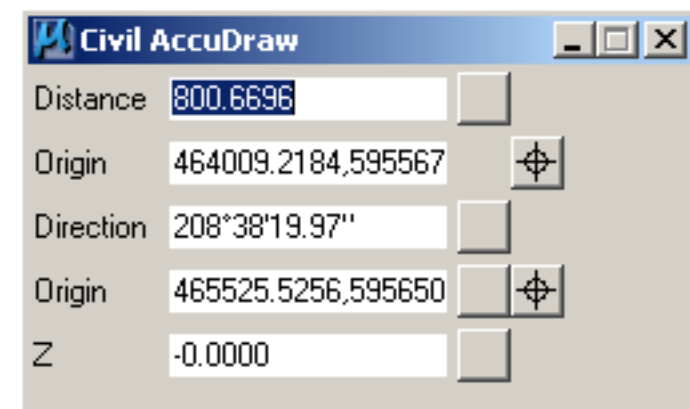
- Distance-Direction
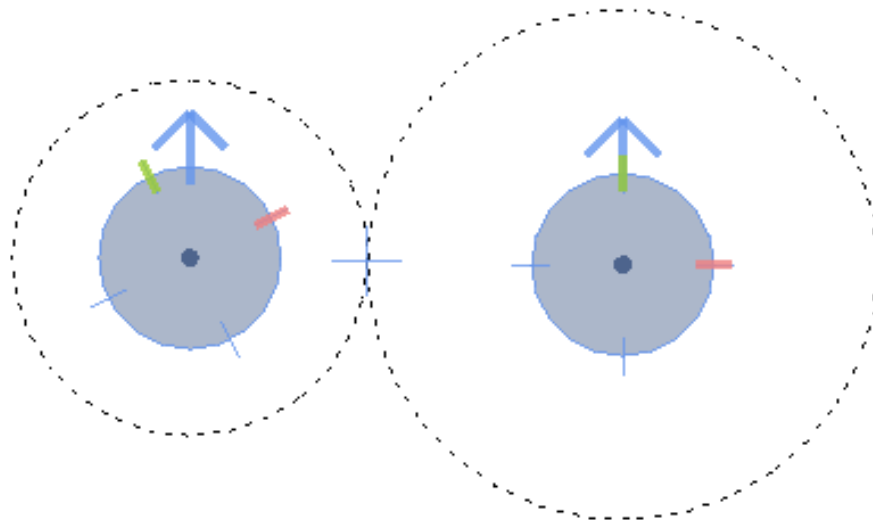

Single Origin

Civil AccuDraw
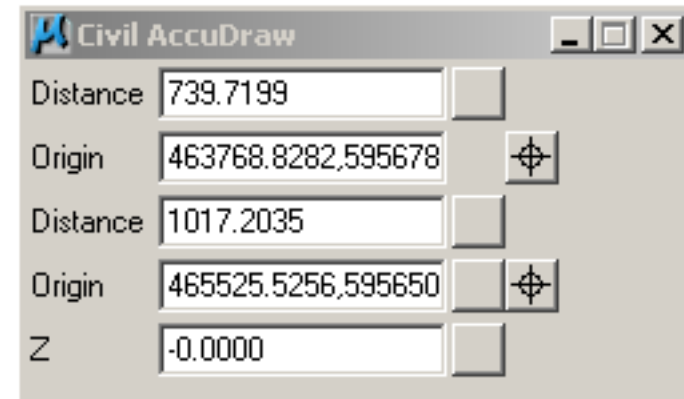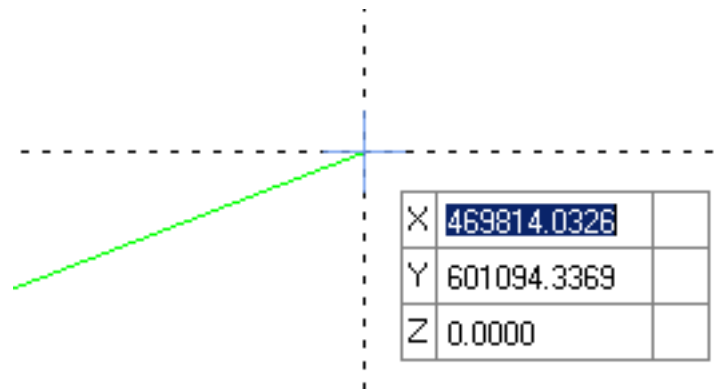
- Dist-Dir Unlinked

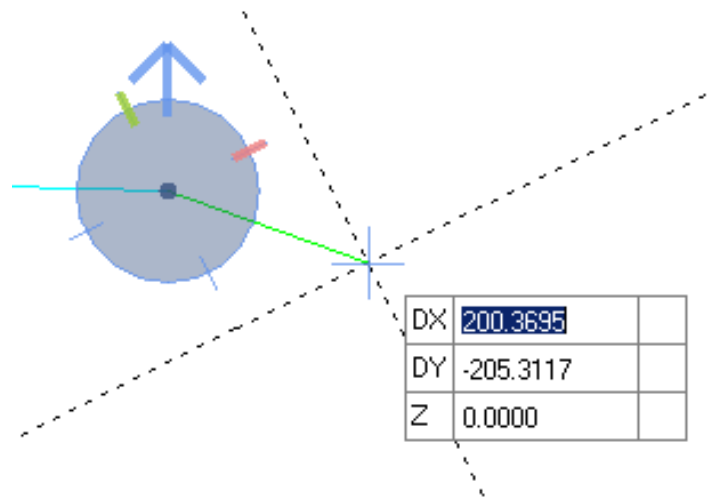Two Origins

Civil AccuDraw

- Dist-Dist

Two Origins

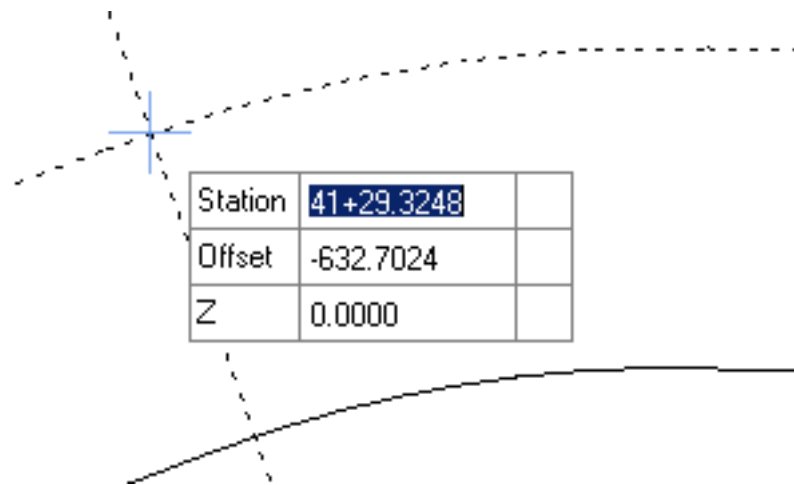# Civil AccuDraw

- XY

Civil AccuDraw

- DX DY

Single Origin

Civil AccuDraw

- Station-Offset
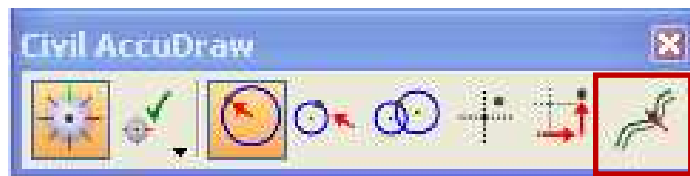
Civil Geometry Preferences

When Bentley Civil is loaded, a Civil Formatting panel of settings is displayed

- Coordinate Format: X,Y or N,E.

- Coordinate Precision: Number of decimal places shown on coordinates

- Ratio Settings Format: 1:D form or D:1 form

- Ratio Precision: Number of decimal places used on ratios

- Station Settings Format: No delimiter, 2 digits after delimiter, 3 digits after delimiter

- Station Format Delimiter: Usually a plus sign

- Station precision: Number of decimal places on delimiter

- Station Equation Type: By Name

- Radius Settings Degree of Curve: By Chord or By Arc

- Degree of Curve Length: Length of chord or arc used to define a 1 degree curve

- Radius Toggle: The keystroke used to define degree of curve instead of radius in commands
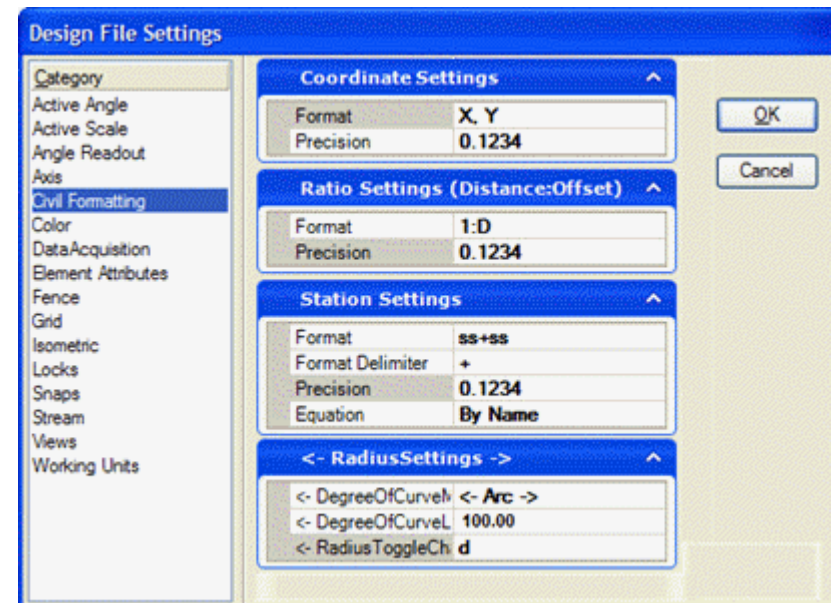
Bentley

Civil Geometry Preferences

Also included in this panel are the Roundabouts EPC (Entry Path Curvature) settings

- Turn Colors – Denotes the preferred colors for the EPC graphic element

- Measurement Method – Use a spline or curves for the curvature analysis

- Entry Distance – Distance along the entry point to begin the analysis and Entry Offset – Offset from the entry approach alignment

- Offset from center island – Offset from the island for the analysis

- Entry Offset from outer carriageway edge – Offset from the outside edge of pavement on the entry approach

- Exit Offset from outer carriageway edge – Offset from the outside edge of pavement on the exit approach
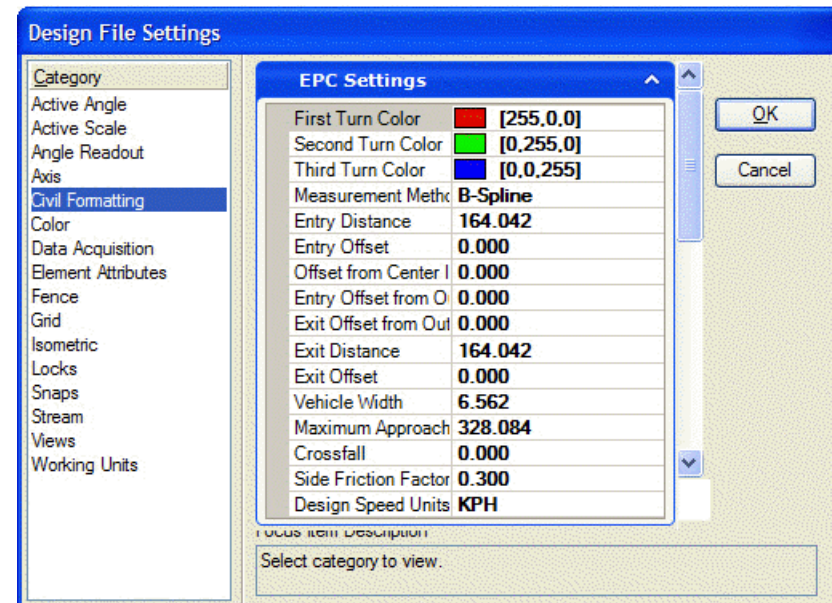
Civil Geometry Preferences

Also included in this panel are the Roundabouts EPC (Entry Path Curvature) settings

- Exit Distance – Distance along the entry point to end the analysis and Exit Offset – Offset from the exit approach alignment

- Vehicle Width – Width of vehicle used for analysis

- Maximum Approach – Maximum approach length to use for the analysis

- Cross-fall – Cross-slope (decimal) of the traffic circle; used for speed calculations

- Side Friction factor – Used for speed calculations.

- Design Speed units – Miles per Hour (MPH) or Kilometers per Mile (KPH)
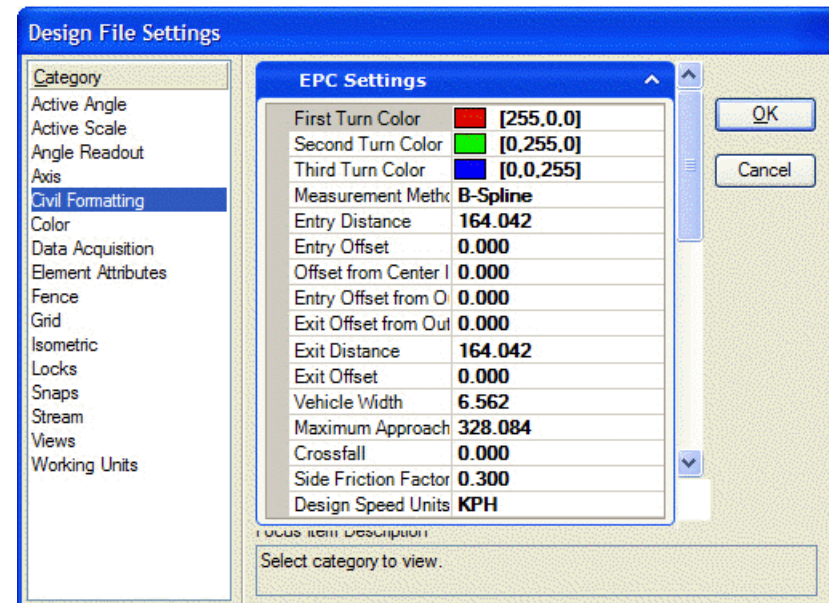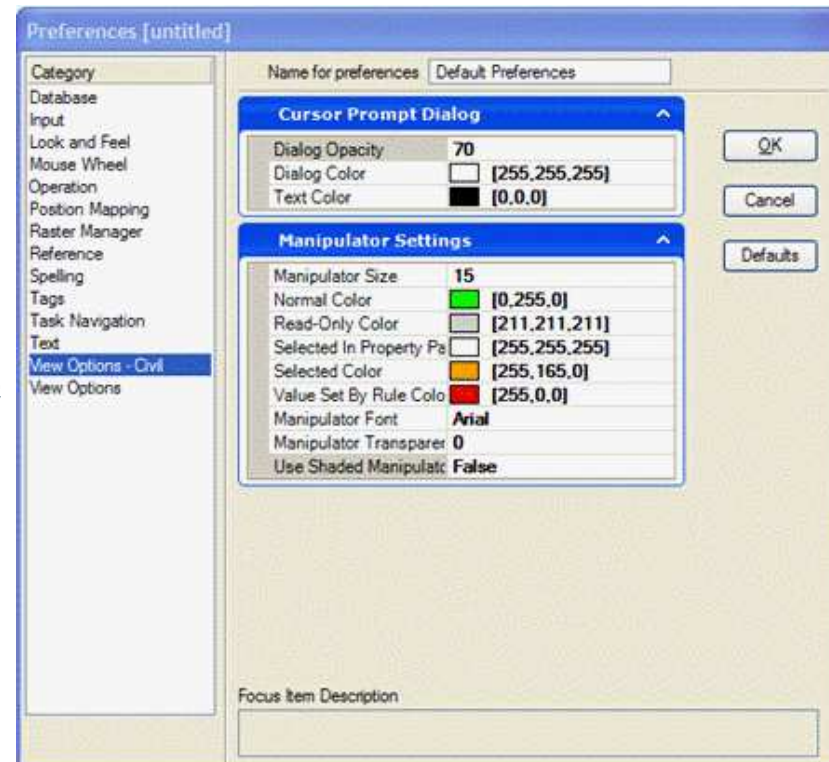
Civil Geometry Preferences

When Bentley Civil is loaded there is an additional panel added to WorkSpace > Preferences

Cursor Prompt Dialog – Settings to control the heads up prompt; these are used for commands and Civil Accudraw

- Dialog Opacity – Set the opacity/transparency of the heads up prompt

- Dialog Color – The color of the heads up prompt window

- Text Color – The text color used in the heads up prompt

Manipulator Settings

- Manipulator size – The size of manipulators; 10 is default; smaller numbers translate to smaller manipulator size

- Normal Color – The color of manipulators that have not been locked by rule

- Read Only Color – Some manipulators are shown for information only; this is the color for those manipulators
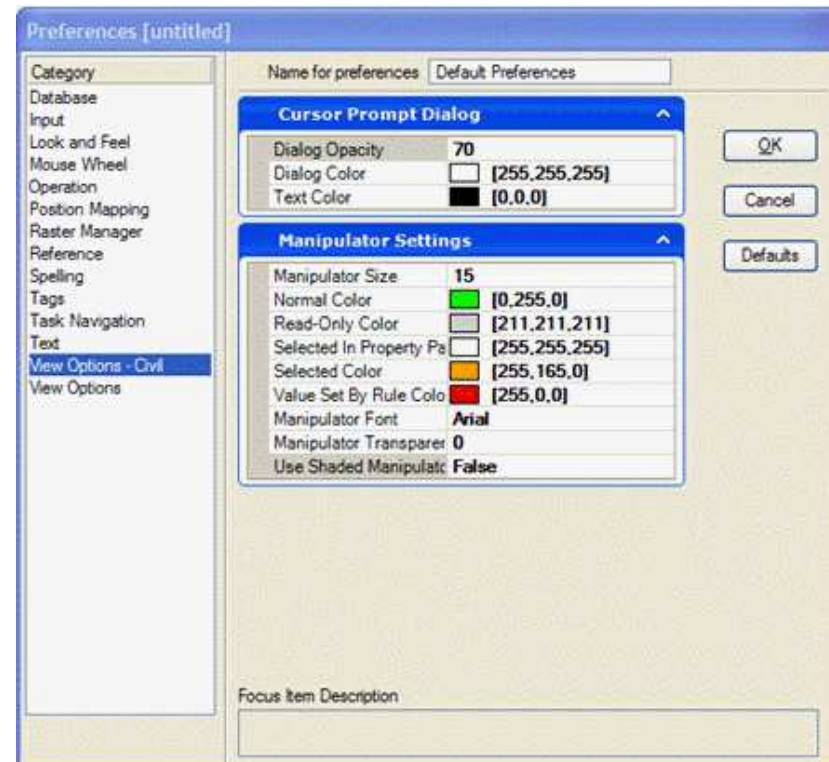
Civil Geometry Preferences

When Bentley Civil is loaded there is an additional panel added to WorkSpace > Preferences

Manipulator Settings

- Selected in Property Pane – If use element information of a selected element, then the manipulator corresponding to the property with focus is temporarily shown in this color

- Selected color – When you hover over or click on a manipulator, it temporarily changes to this color

- Value set by rule – User input to commands will result in certain rules being defined for the element; a manipulator shown in this color is determined by rule, and changing the value of the manipulator will result in a change in the rule

- Manipulator Font – The font used for text manipulators

- Transparency – The transparency applied to manipulators

- Use Shading – If set to True, uses a shaded pattern on the manipulators

Civil Geometry Tool