CDOT Using Curb Ramp Cells

This document guides you through the use of the pedestrian curb ramp cells. These are dynamic cells that can be modified "on the fly" using predefined parameter sets and user input.

Preparation

The pedestrian curb ramp cells are designed to be placed at a 90º angle to the curb. The steps below describe the method used to set the Active Angle for the ramp.

1. Zoom in around the area on the curb where the ramp is to go. Select the **Construct Line At Active Angle** command from the Linear Elements toolbar.

2. Set the **Active Angle** to **0º**.

3. **<D>** on the curb face where the center of the ramp is to be located and extend the line in a direction tangent to the back of the ramp at the center.
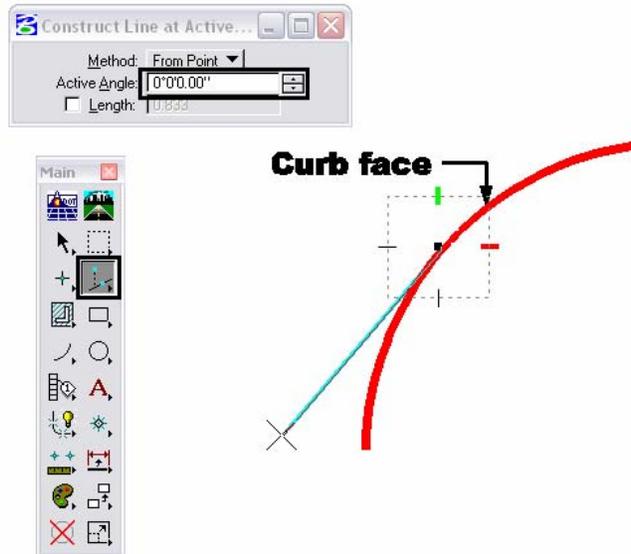
4. In the **MicroStation Key-In** window, type ***active angle pt2*** and press the **Enter** key. This is used to set the active angle to that of the line that was just drawn.

5. **<T>** to the end of the line on the curb face and **<D>**. Then, **<T>** to the other end of the line and **<D>.** The Active angle is now set to the angle of the line.

Snap here first ──────

Then here ──────

Key-in

active angle pt2
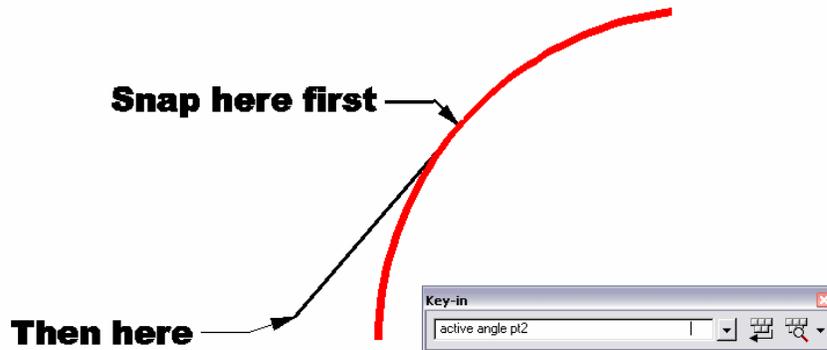
Placing A pedestrian Curb Ramp Cell

6. *<D>* **Design** from the CDOT Menu explorer.

7. *<D>* the **Roadway** category

8. *<D>* the **Cell** filter.

9. *<D>* the desired pedestrian curb ramp cell from the list.

10. Select the desired parameter set from the **Params** drop-down list.
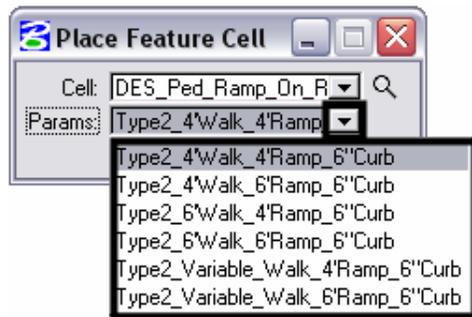
11. Some parameter sets have options for user defined values for some variables. These will typically have "variable" in the name. To modify a variable, select the expand icon in the lower right corner of the tool settings box.

12. In the list, locate the variable to be changed (grayed out settings can not be changed). Highlight the desired variable then right click in the **Value field** and key in the desired number. Press the **Enter** key to accept the key in.
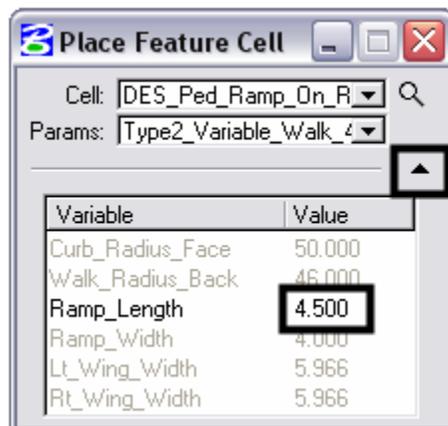
13. The cell is now ready for placement. The origin of the cell is at the curb face in the center of the ramp.
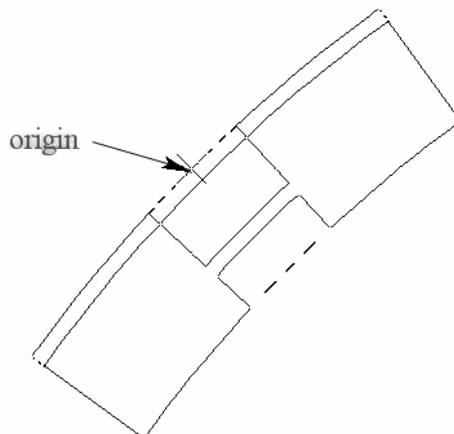
14. Follow the steps above to select a cell. Once the cell is selected and set up (if it has an undefined variable), **<T>** to the line at the curb face and **<D>** to place the cell.

snap here
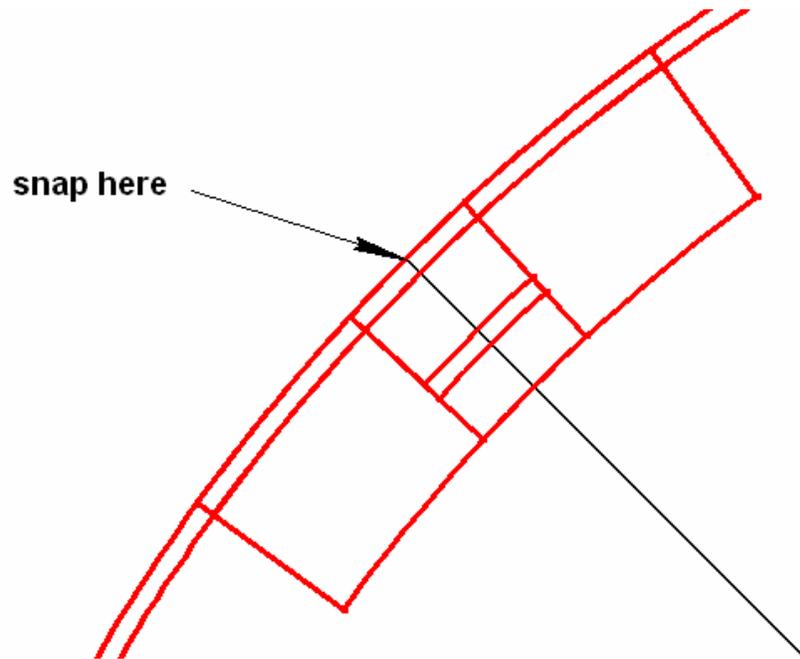
15. Finally, Delete the construction line.