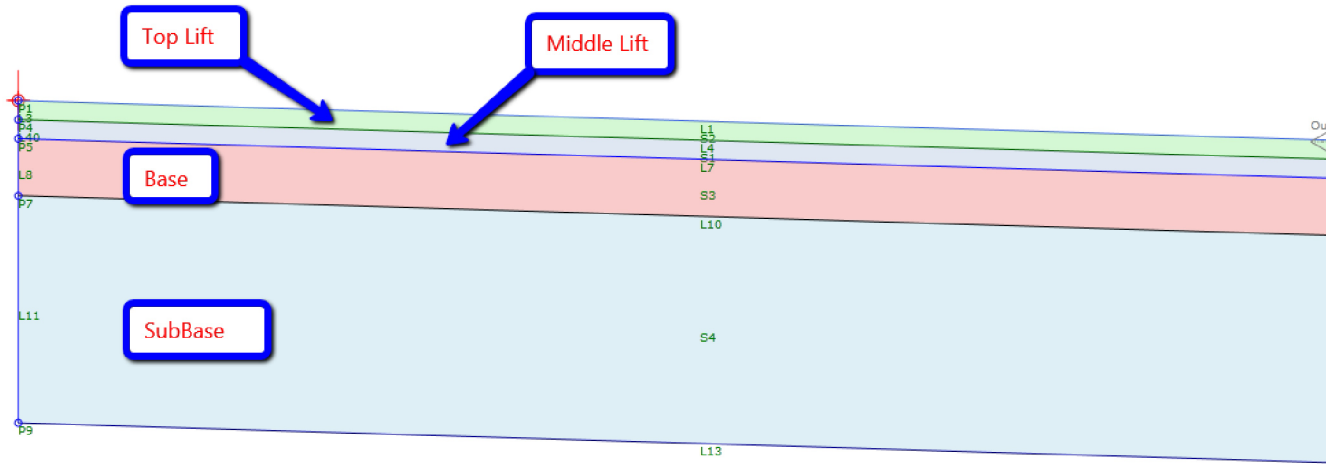


**Multilayered Lane with Custom Codes**

This subassembly represents a lane with options to select the number of paving lifts/courses, in addition to Base and SubBase layers. It has fully-customizable Point, Link and Shape Codes as well, allowing complete control over quantities, labeling and display in your Corridor, Assemblies and Cross Sections.



**Figure 1: Section View with Two Lifts selected**

Target Parameters have been assigned for both horizontal and vertical manipulation

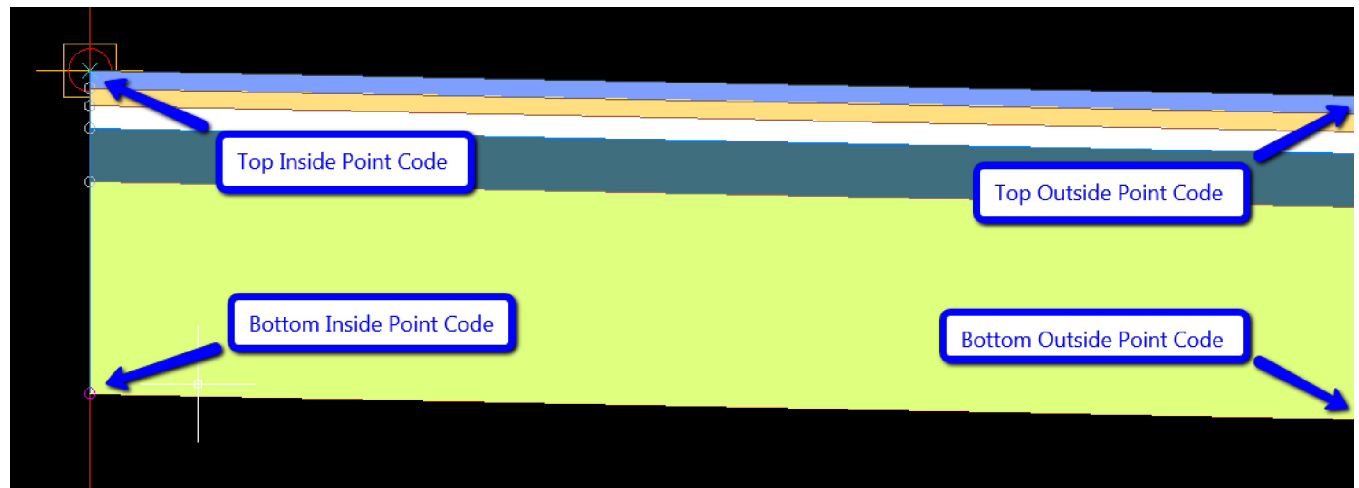
Output parameters of Lane Width and Slope have been created

Custom parameters can be assigned to:

1. Each shape and bottom link to that shape.
2. Top Link to the Sub assembly (Pave is the default).
3. All the Left (Inside) vertical Links (None is the default).
4. All of the Right (Outside) vertical links (None is the default).
5. The four corners have customizable point codes (Crown, ETW, Crown\_Sub, and ETW\_Sub are the defaults).

(See Figure 2)

6. Additional Link Codes can be assigned to the top and bottom links (Top and Datum are the defaults)



**Figure 2: Location of Customizable Point Codes**

**Input Parameters**

**Side** Specifies which side to place the subassembly **Type:** Left/Right **Default:** Right

**Width of Lane** Width of the lane from the inside edge to the outside edge **Type:** Numeric, Positive **Default:** 12.00'

**Use Super Slope** of lane to have Super Elevations **Type:** Yes/No **Default:** No

**AOR** If Super Elevation is applied, what is the Axis of Rotation (AOR) **Type:** Selection List **Default:** RightInsideLane

**Slope of Lane** Slope of the lane in a percentage **Type:** Numeric **Default:** -2.00%

**Number of Lifts** Number of paving layers **Type:** Selection List - One, Two, Three **Default:** Two

**Thickness of Top Lift** Thickness of the top lift in feet **Type:** Numeric, Positive **Default:** 0.17'

**Thickness of Middle Lift** Thickness of the middle lift in feet **Type:** Numeric, Positive **Default:** 0.17'

**Thickness of Bottom Lift** Thickness of the bottom lift in feet **Type:** Numeric, Positive **Default:** 0.21'

**Base, Depth** Thickness of the Base (or Rock) in feet **Type:** Numeric, Positive **Default:** 0.75'

**SubBase, Depth** Thickness of the SubBase (or Sand) in feet **Type:** Numeric, Positive **Default:** 1.00'

**Codes: Link/Shape, Top Lift** Code for the Shape and Link on the bottom of shape of top lift **Type:** Text **Default:** Pave1

**Codes: Link/Shape, Middle Lift** Code for the Shape and Link on the bottom of shape of middle lift **Type:** Text **Default:** Pave2

**Codes: Link/Shape, Bottom Lift** Code for the Shape and Link on the bottom of shape of bottom lift **Type:** Text **Default:** Pave3

**Codes: Link/Shape, Base** Code for the Shape and Link on the bottom of shape of Base **Type:** Text **Default:** Base

**Codes: Link/Shape, SubBase** Code for the Shape and Link on the bottom of shape of SubBase **Type:** Text **Default:** SubBase

**Codes: Link, Inside Vertical Edge** Link Code for all vertical links on inside edge **Type:** Text **Default:** None

**Codes: Link, Outside Vertical Edge** Link Code for all vertical links on outside edge **Type:** Text **Default:** None

**Codes: Link, Top** The top link on the top lift **Type:** Text **Default:** Top, Pave

**Codes: Link, Bottom** Additional link code(s) for the bottommost link **Type:** Text **Default:** Datum

**Codes: Point, Inside Top** Code for the top inside point **Type:** Text **Default:** Crown

**Codes: Point, Outside Top** Code for the top outside point **Type:** Text **Default:** ETW

**Codes: Point, Inside Bottom** Code for the bottom inside point **Type:** Text **Default:** Crown\_Sub

**Codes: Point, Outside Bottom** Code for the bottom outside point **Type:** Text **Default:** ETW\_Sub

**Note:**

In 2013 the Output Parameters created in this subassembly when assigned to another subassembly within the Assembly Properties will not automatically update when these variables are changed. However, the changes will be reflected in the corridor once it has been rebuilt.

If the subassembly is mirrored, that subassembly name should be changed. When another subassembly is using the output parameters value of this subassembly, it will pull the values from the original subassembly within that assembly and not the one that was mirrored.