

Multilayered Lane with Mark Point functions

This subassembly represents a lane that connects a MarkPoint Subassembly, controlling for Width and Slope. The subassembly has 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.

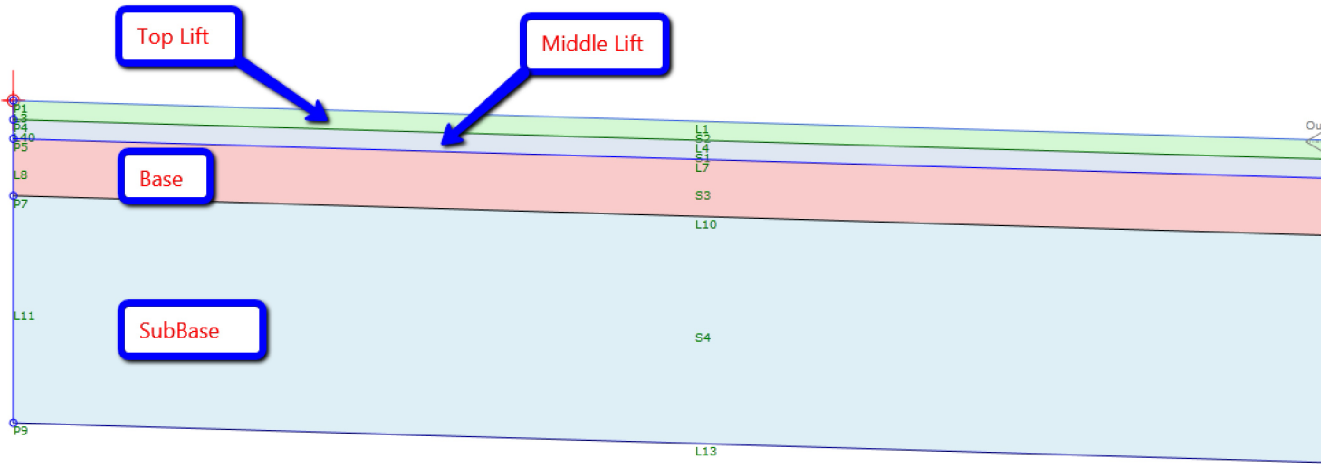


Figure 1: Section View with Two Lifts selected

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)

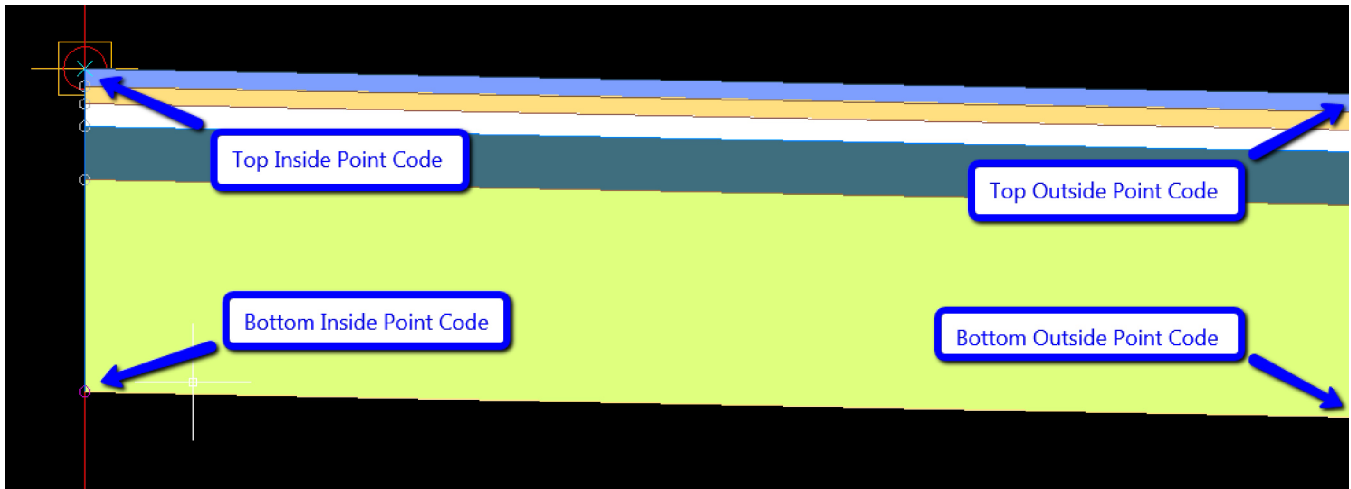


Figure 2: Location of Customizable Point Codes

Value Name	Default Input Value
Side	Right
Mark Point Name	P1
Number of Lifts	Three
Thickness of Top Lift	0.17'
Thickness of Middle Lift	0.17'
Thickness of Bottom Lift	0.25'
Base: Depth of	0.50'
SubBase: Depth of	1.00'
Codes: Link/Shape, Top Lift	Pave1
Codes: Link/Shape, Middle Lift	Pave2
Codes: Link/Shape, Bottom Lift	Pave3
Codes: Link/Shape, Base Layer	Base
Codes: Link/Shape, SubBase Layer	SubBase
Codes: Link, Inside Vertical Edge	None
Codes: Link, Outside Vertical Edge	None
Codes: Link, Top	Top,Pave
Codes: Link, Bottom	Datum
Codes: Point, Inside Top	Crown
Codes: Point, Outside Top	ETW
Codes: Point, Inside Bottom	Crown_Sub
Codes: Point, Outside Bottom	ETW_Sub

Input Parameters

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

Mark Point Name Name of MarkPoint Subassembly to connect to with Corridor.

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

SubBase, Depth of 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

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