

## Custom Abutment

Name	West Abutment
Description	
Cell Name	IA DOT Integral_BTE_Abutment_R04
Analytical Properties	False
State Element Number	219
NBI Element Number	219
Synclid	241ee5ae-4381-4f5e-a94e-7395b7671777

## Rule Property

Cell	SELECT to Edit
Type	Parametric
Active Angle	-3.0000°
X-Scale	1.000
Y-Scale	1.000
Z-Scale	1.000
Horizontal Offset	0.000'
Vertical Offset	0.000'
SupportLine Offset	0.000'
Top Slope	Level
Cap Length Adjustment	None
Deck Length Side	Top
Ignore Support Line Skew	False

## Feature

Feature Definition	Abutment_concrete_piles
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## Build Order

Pier Cap Build Order	1
Column Build Order	1
Footing Build Order	1
Pile Build Order	1

**Variables**

Abut. Skew Angle	<b>3.0000°</b>
Left Lane Width	<b>30.000'</b>
Right Lane Width	<b>40.250'</b>
Backwall Height	<b>7.137'</b>
Abutment Footing Height	<b>3.500'</b>
Abutment Length	<b>3.000'</b>
Wingwall Width	<b>1.583'</b>
Left Wingwall Height	<b>5.000'</b>
Right Wingwall Height	<b>5.000'</b>
Wingwall Extension Footing Width	<b>3.000'</b>
Wingwall Extension Footing Length	<b>9.417'</b>
Paving Notch Vertical Depth	<b>1.083'</b>
Paving Notch Horizontal Seat	<b>1.250'</b>
Paving Notch Total Height	<b>2.500'</b>
Paving Notch Chamfer Height	<b>1.250'</b>
Number of Pile	<b>7</b>
Pile Edge Distance from Gutter Line	<b>0.500'</b>
Wing Extension Footing Pile Edge [	<b>1.500'</b>
Top of Pile Abut. Footing Embedme	<b>2.000'</b>
Pile Length (Below Footing)	<b>15.000'</b>
LT Lane Slope(%)	<b>-2.8700</b>
RT Lane Slope(%)	<b>1.8900</b>

## Custom Abutment

Name	East Abutment
Description	
Cell Name	IA DOT Integral_BTE_Abutment_R04
Analytical Properties	False
State Element Number	219
NBI Element Number	219
Synclid	baffa3d8-82a1-4477-bc20-bcad6488f3e1

## Rule Property

Cell	SELECT to Edit
Type	Parametric
Active Angle	177.0000°
X-Scale	1.000
Y-Scale	1.000
Z-Scale	1.000
Horizontal Offset	0.000'
Vertical Offset	0.000'
SupportLine Offset	0.000'
Top Slope	Level
Cap Length Adjustment	None
Deck Length Side	Top
Ignore Support Line Skew	False

## Feature

Feature Definition	Abutment_concrete_piles
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## Build Order

Pier Cap Build Order	1
Column Build Order	1
Footing Build Order	1
Pile Build Order	1

**Variables**

Abut. Skew Angle	3.0000°
Left Lane Width	40.250'
Right Lane Width	30.000'
Backwall Height	7.098'
Abutment Footing Height	3.500'
Abutment Length	3.000'
Wingwall Width	1.583'
Left Wingwall Height	5.000'
Right Wingwall Height	5.000'
Wingwall Extension Footing Width	3.000'
Wingwall Extension Footing Length	9.581'
Paving Notch Vertical Depth	1.083'
Paving Notch Horizontal Seat	1.250'
Paving Notch Total Height	2.500'
Paving Notch Chamfer Height	1.250'
Number of Pile	7
Pile Edge Distance from Gutter Line	0.500'
Wing Extension Footing Pile Edge I	1.500'
Top of Pile Abut. Footing Embedme	2.000'
Pile Length (Below Footing)	15.000'
LT Lane Slope(%)	1.7500
RT Lane Slope(%)	-2.8650