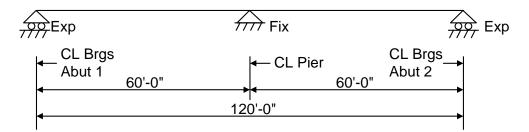
AASHTOWare BrDR 7.5.0 Feature Tutorial WIZ2 – Simple Bridge Layout Wizard This example uses the **Simple Bridge Layout Wizard** to create a new bridge and the underlying superstructure and substructure units.

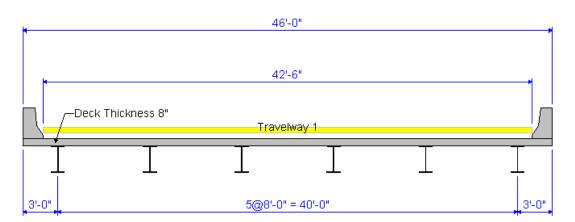
The Simple Bridge Layout Wizard creates the following:

- A bridge
- A bridge alternative
- A superstructure
- A superstructure alternative
- A superstructure definition
- Piers

The following bridge will be created using the wizard.



Span Arrangement



WIZ2 - Simple Bridge Layout Wizard

Simple Bridge Layout Wizard

From the **Bridge Explorer** select the folder where you would like the new bridge to be created and then click the **Simple Bridge Layout Wizard** button from the **TOOLS** ribbon (or right click and select **Simple Bridge Layout Wizard**) as shown below.

Br						,	AASHTOWar	e Bridge D	esign a	and Rating				?	_		\times
BRIDGE EXPLOR	ER	BRIDGE	FOL	DER	F	RATE	TOOLS	VIEW									
Simple Bridge Layout Wizard	Attack		General ferences	Repo Tool		Manage Bridges	e Sync Parameter	Logout s	\$	Export Batch Export	\$ Q	Import Batch Import IFC	~ *			idation idation	
Favorites F	dges	r			>	E^ 1 T	Brid	dge ID e1		Training Bridg		Bridge Name RFD)				District District 11	01
i → 🎾 All Bridges i → 🎾 Sampl 🎾 Deleted B	6 8	Expand Br Collapse B					hingBridge2 hingBridge3			Training Bridge 2(LRFD) Training Bridge 3(LRFD)						Unknown District 11	Ur 01
) ا	New Import					rainingBridge2			PCI TrainingBridge1(LFR) PCITrainingBridge2(LRFD) PCI TrainingBridge3(LFR)							
		Rate Report To	ol				rainingBr rainingBr rainingBr	idge5		PCITrainingBri PCI TrainingBr PCITrainingBri	idge	5(LFR)					
	4	Simple Bri	idge Layo	out Wi	zaro	ł											Þ
										1	otal	Bridge Count:		47			

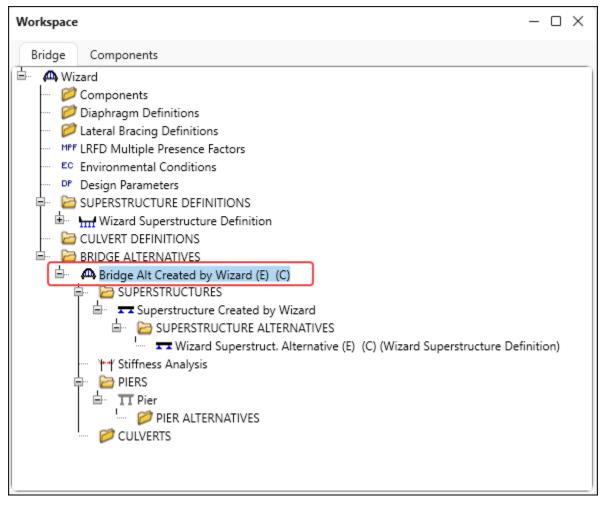
Enter the following data in the wizard and click Finish.

	🕰 Simple Bridge Layout Wi	zard - Bridge						×
	Welcome to the Simp	ole Bridge	Layout Wiza	ard				
	This wizard helps you quick containing one superstructu	*	v bridge, a new l	bridge alterr	native an	d a ne	w superstructure for a bridg	ge
	Bridge ID:	Wizard		NBI	structure	e ID:	Wizard	
	Number of substructures:	3 🗘			n length: rence lin	_) the	
	Support skew:	0	Degrees			Span		
	Number of girders:	8 🗘			Span	lengt h	t	
Total	Girder spacing:	8	ft			(ft)		
number of	Overhang:	3	ft	>	1	6	0	
abutments & piers	Deck type:	Concrete ~	·]		2	6	0	
\smile					Finis	n]	Cancel Help	

WIZ2 - Simple Bridge Layout Wizard

Bridge

The new Bridge Workspace will appear as shown below.



Bridge Alternative

The following **Bridge Alternative** was created.

	ive name: Brid										
)escri		dge Alt Ci	reated by	Wizard							
	iption Subs	tructures									
Desci	ription:										
					- Claba	Inori	tioning				
	Horizontal curva rence line lengti		0	ft	Distar		tioning 0		ft		
_	Start bearing		End bea		Offset		0		ft		
	ing station:	0		ft	Elevat				ft		
Beari	ng:	N	0^ 0' 0.00	D" E							
— Bri	idge alignment				Start tan	aent	length			ft	
C	Curved				Curve ler					ft	
	Tangent, cur	ved, tang	ent		Radius:					ft	
	Tangent, cur				Direction			Left			
) Curved, tang	gent			End tang	ent l	ength:			ft	
Su	perstructure wizard	Cu	lvert wiza	ard							
	meandin										
-	e Alternative					DK		Appl	y	C	
ernat	ive name: Brid	dge Alt Ci tructures		y Wizard		DK		Appl	y		
ernat Descri	ive name: Brid	-		Wizard Unit type		DK		Appl	у		
ernat)escri	ive name: Brid iption Subs Substructure	tructures Station	Offset	Unit type		DK		Appl	y		
ernat Descri	ive name: Brid iption Subs Substructure unit name	tructures Station (ft)	Offset (ft)	Unit type		DK		Appl	у		ianc

WIZ2 - Simple Bridge Layout Wizard

Superstructure

The following **Superstructure** was created.

Superstructure						-		×
perstructure name:	me: Superstructure Created by Wizard		Wizard					
Description Alte	rnatives	Vehicle path	Engine	Substructures				
Description:								
Reference line								
Distance:	0	ft						
Offset:	0	ft						
Angle:	0	Degrees						
Starting station:	0	ft						
					or		_	
					ок	Apply	Cano	ei

Superstructure Alternative

A **Superstructure Alternative** was created, and the **Superstructure Definition** created by the wizard was assigned to this alternative.

A :	Superstr	ucture Alternativ	/e									_	-		×
Alte	ernative	name:	Wiza	rd Supe	erstruc	t. Alter	native								
Des	cription	:													
Sup	erstruct	ture definition:	Wizar	d Supe	rstruct	ure De	finition			\sim					
Sup	erstruct	ture type:	Girde	er											
Nur	mber of	main members:	8												
	Span	Length (ft)													
>	1		60												
	2		60												
				v											
									OK		A	pply		Canc	el

Superstructure Definition

The **Superstructure Definition** that was created contains the framework of the definition. This framework must be completed by describing the deck, parapets, member alternatives, etc.

8	ANALYSIS REPORTS Bridge Workspace - Wizard	?	- 0) ×
BRIDGE WORKSPACE TOOLS	VIEW DESIGN/RATE REPORTING			
Check Out Save & Restore Save Check In Validate Save & Revert Close	Sport Refresh Copy Paste Duplicate Delete Schematic			
Workspace ☆ ×	Schematic		\$ X	\$ X
Bridge Components	Bridge Typical Section		$\sim \times$	
🖮 🗛 Wizard 💋 Components	□ Q Q ⊕ 图 好 H 1555 ····		Ŧ	
	Wizard New Bridge - Wizard Superstructure Definition 1/16/2024 62-0* 			
	[3-0"] 7@8-0" = 56-0" [:	3'-0"		
BRIDGE ALTERNATIVES BRIDGE ALTERNATIVES Comparing Alt Created by Wizard (E) (C) Comparing Alt Created by Wizard (E) (C) (C) Comparing Alt Created by Wizard (E) (C) (C) (C) (C) (C) (C) (C) (C) (C) (C	Analysis			\$ ×

Piers

A pier alternative should be created for the pier or piers.

Bridge Workspace - Wiza	ard	ANALYSIS	REPORTS	?	×
BRIDGE WORKSPACE	TOOLS VIEW	DESIGN/RATE	REPORTING	;	
Check Out 💣 🔡 🚸 Rester A Check In Validate Save 🗞 Reven	🗠 🐦	Refresh Open			Delete Schematic
Bridge			1	Vlanage	
Workspace	☆ × Scher	natic	s> × Re	port	\$
Bidge Components Image: Components Image: Components	on Frame Pie		Shalt Pier	Wall Pier	X Pile Bent Pier Next > Cancel