

Typical Application on Steel Beams

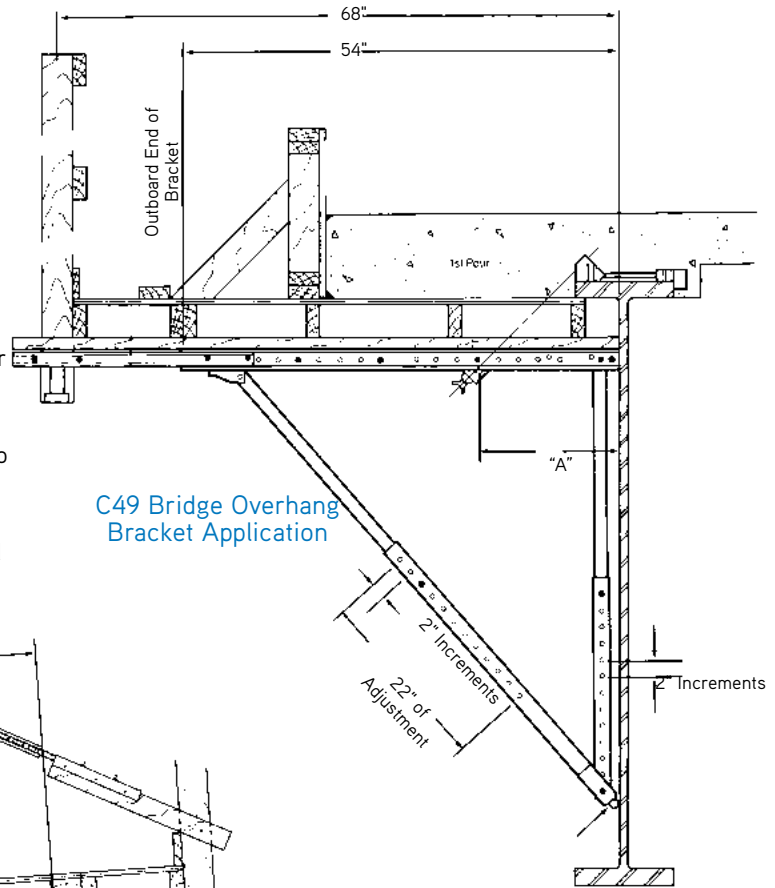
Several DOTs require that when overhang brackets are used on steel beams, the brackets must bear within 6" of the bottom flange. Both the vertical and diagonal legs are adjustable in 2" increments, which allows the bracket to be quickly and easily adjusted so that the applied construction loads are transferred at or near the bottom flange.

Various DOTs have found that moving the loads to the lower flange area greatly reduces the beams tendency to twist and bend under construction loads.

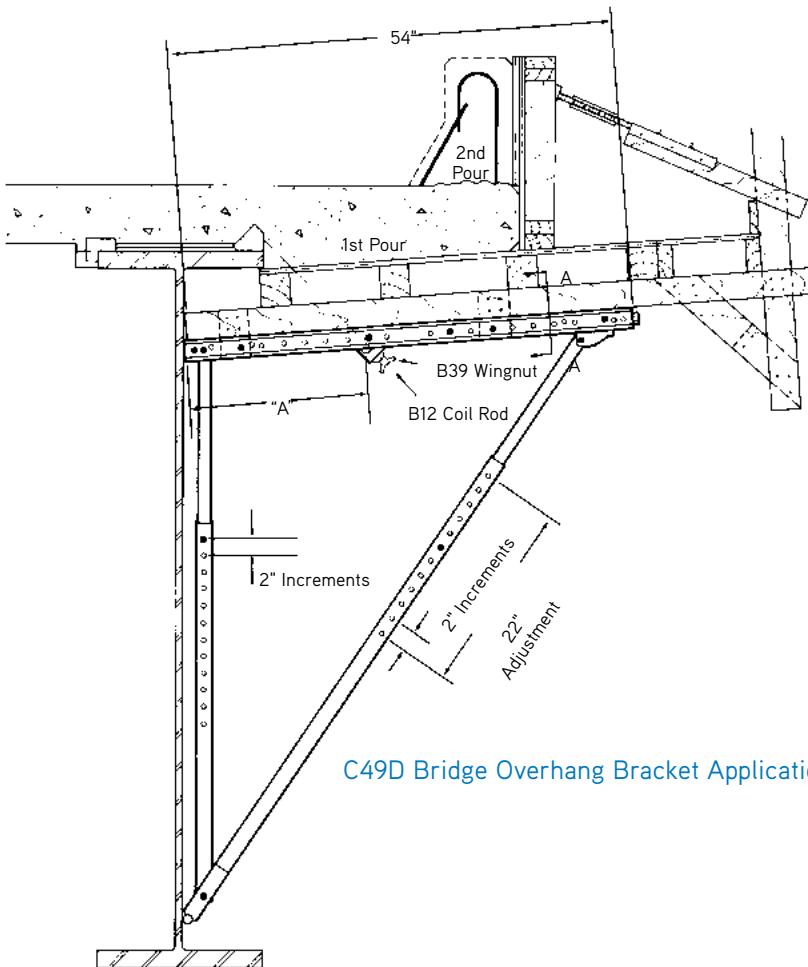
On deeper beams, where the C49 is too short to be used correctly, the C49D overhang bracket is recommended for use.

In situations where the overhang is longer than the horizontal members, double 2x lumber can be "cleated" to the bracket.

Either a flat 2x6 nailed to the horizontal members or double 2x's are considered part of the bracket design and one or the other must be used at all times.



C49 Bridge Overhang Bracket Application

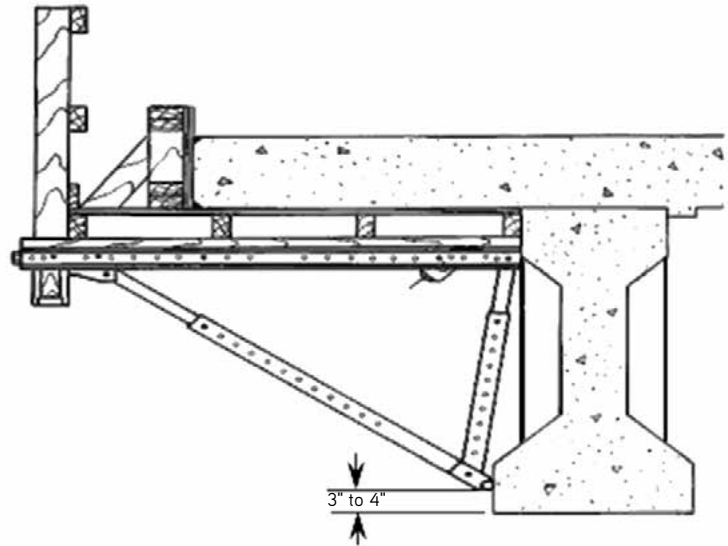


C49D Bridge Overhang Bracket Application

Typical Application on Concrete Beams

Dayton Superior recommends that brackets bear against the side of the bottom flange on precast concrete girders. This will reduce the number of changes required in setting up the overhang brackets.

Allowing 3" to 4" of clearance between the bottom of the vertical leg and the bottom of the concrete eliminates the chance of the concrete spalling due to the construction loads introduced into the girder from the diagonal leg.



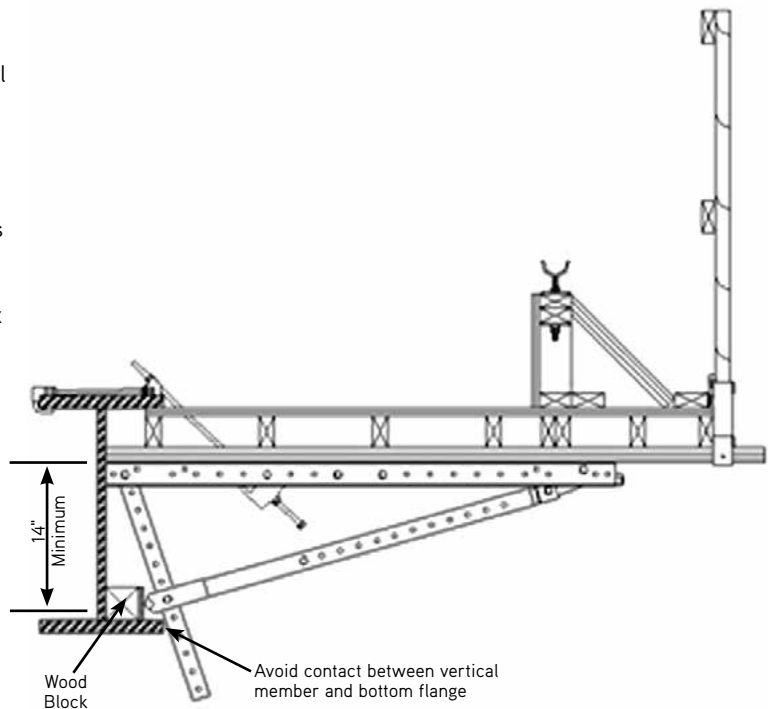
C49 Bridge Overhang Bracket Application

Bridge Overhang Brackets

C49S Field Modified Bridge Overhang Bracket

The C49 Bridge Overhang Bracket is modified in the field by removing the smaller, inner diameter vertical leg and using the larger, outer as the bracket's vertical leg, as shown. In some cases, due to manufacturing tolerances, the rear spacer, nut and bolt must also be removed and set aside for later re-assembly.

Wood blocking is placed on top of the bottom flange, to act as a support for the bracket's diagonal leg. This allows the lower portion of the vertical leg to run "wild" past the beam's bottom flange. C49S Brackets can also be used for shallow concrete girders and box beams.



C49S Bridge Overhang Bracket Application

Actual Overhang Conditions May Vary

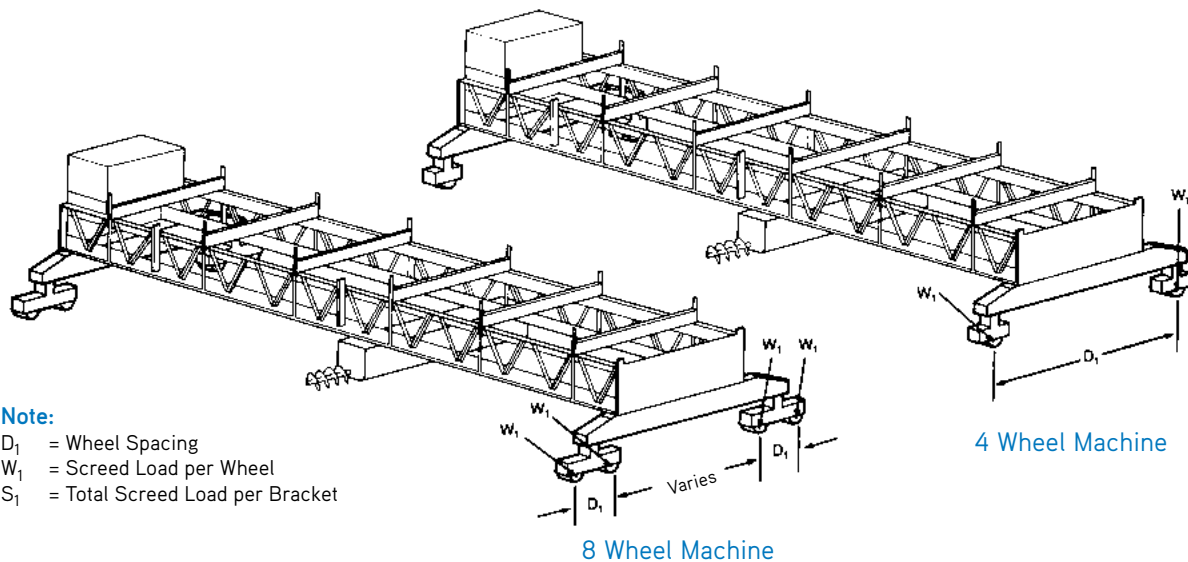
How to Use Spacing Tables

The Spacing Tables shown on the following pages indicate the maximum hanger and overhang bracket spacings for the various slab thicknesses and screed loads. The type of hanger and overhang bracket required, as well as the proper bracket "A" and "D" dimension, which must be used to safely obtain the spacings shown, are listed.

When Selecting a trial hanger and overhang bracket spacing; and the selected spacing is:

- Equal to or less than D_1 , multiply Wheel Load (W_1) by a Screed Load Factor of 1.0;
- Over D_1 and up to $2D_1$, multiply Wheel Load (W_1) by a Screed Load Factor of 1.5;
- Over $2D_1$ and up to $3D_1$, multiply Wheel Load (W_1) by a Screed Load Factor of 1.7;
- Over $3D_1$ and up to $4D_1$, multiply Wheel Load (W_1) by a Screed Load Factor of 1.9;
- Greater than $4D_1$, multiply Wheel Load (W_1) by a Screed Load Factor of 2.3, to determine a close approximation of the total Screed Load (S_1) that will be applied to an individual overhang bracket. Use this value or next highest incremental value for the total Screed Load (S_1) per bracket when using the spacing tables.

The two basic types of bridge deck finishing/screed machines in use today are illustrated below.



Note:

- D_1 = Wheel Spacing
- W_1 = Screed Load per Wheel
- S_1 = Total Screed Load per Bracket

Example

40" Deep Plate Girder with 1" Thick Flanges
 3'-0" Overhang
 8" Thick Overhang Slab (157 PSF)
 C49 Bridge Overhang Bracket
 C60 Type 8-A Pres-Steel Hanger, 4,500 lbs.

8 Wheel Screed Machine
 $D_1 = 1'-6"$
 $W_1 = 650$ lbs. Wheel Load

As we are using the C49 Overhang Bracket in the above example to support a 3'-0" overhang from a plate girder, the spacing table on page 70 should be used. The correct "D" dimension (30") is determined by subtracting from the girder's 40" depth, both flange thicknesses, the overall thickness of the form lumber plus a clearance allowance of 2" to 6".

For the above example it has been decided to use a trial hanger and bracket spacing of 4'-0". This results in a total screed load (S_1) per bracket of 1,105 lbs.

4'-0" Trial Spacing

$$1.5' D_1 = 2.66, \text{ which means the Screed Load Factor (SLF) as shown above is } 1.7$$

$$S_1 = (W_1)(SLF) = 650 \text{ lbs.} \times 1.7 = 1,105 \text{ lbs.}$$

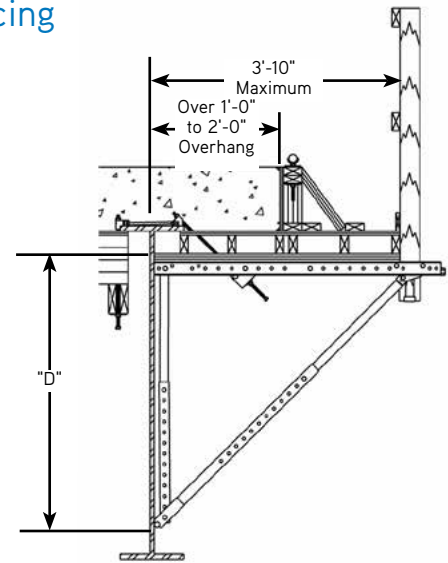
Enter the spacing table at 157 PSF design load (8" slab thickness), "D" = 30" and upper row for a 4,500 lb. Pres-Steel Hanger. Follow this row until it intersects the vertical column having a total screed load (S_1) per bracket of 1,250 lbs. The allowable hanger and bracket spacing is 3'-3".

SAFETY NOTE:

Contact Dayton Superior Technical Assistance for spacing requirements when a finishing machine and a conveyor are both to be used when placing concrete.

C49 Bridge Overhang Bracket and Exterior Hanger Spacing

Over 1'-0" to 2'-0" Overhangs on Steel Beams or Girders



Bridge Overhang Brackets

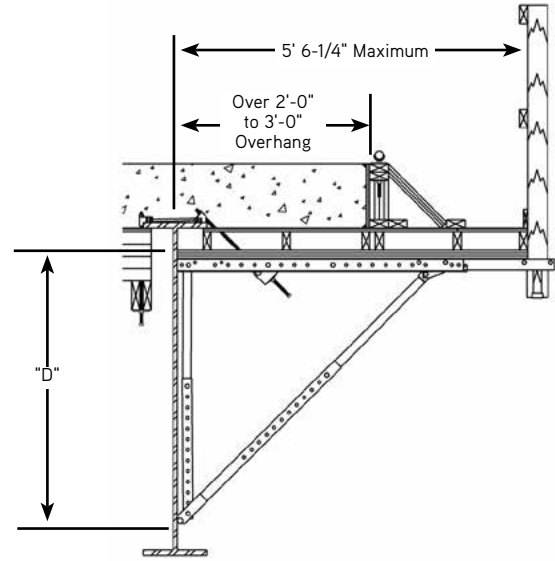
Design Load PSF	Maximum Overhang Thickness	Bracket "D" Dimension	Screed Load Per Bracket = S _i								Hanger SWL Range (lbs.)
			2,500 lbs.	2,250 lbs.	2,000 lbs.	1,750 lbs.	1,500 lbs.	1,250 lbs.	1,000 lbs.	0 lbs.	
130	6"	30" to 50"	*	*	*	1'-0"	1'-6"	2'-3"	3'-0"	5'-9"	3,000 to 3,500
			1'-9"	2'-6"	3'-3"	3'-9"	4'-6"	5'-3"	6'-0"	8'-0"	4,500 to 5,000
			4'-9"	5'-6"	6'-0"	6'-9"	7'-6"	8'-0"	8'-0"	8'-0"	6,000
157	8"	30" to 50"	*	*	*	*	1'-6"	2'-0"	2'-9"	5'-3"	3,000 to 3,500
			1'-6"	2'-3"	2'-9"	3'-6"	4'-0"	4'-9"	5'-3"	7'-9"	4,500 to 5,000
			4'-3"	4'-9"	5'-6"	6'-0"	6'-9"	7'-3"	8'-0"	8'-0"	6,000
184	10"	30" to 50"	*	*	*	*	1'-3"	1'-9"	2'-6"	4'-9"	3,000 to 3,500
			1'-6"	2'-0"	2'-6"	3'-0"	3'-9"	4'-3"	4'-9"	7'-0"	4,500 to 5,000
			3'-9"	4'-6"	5'-0"	5'-6"	6'-0"	6'-9"	7'-3"	8'-0"	6,000
210	12"	30" to 50"	*	*	*	*	1'-3"	1'-9"	2'-3"	4'-3"	3,000 to 3,500
			1'-3"	1'-9"	2'-3"	2'-9"	3'-3"	4'-0"	4'-6"	6'-6"	4,500 to 5,000
			3'-6"	4'-0"	4'-6"	5'-0"	5'-6"	6'-0"	6'-6"	8'-0"	6,000
237	14"	30" to 50"	*	*	*	*	1'-0"	1'-6"	2'-0"	4'-0"	3,000 to 3,500
			1'-3"	1'-9"	2'-3"	2'-6"	3'-0"	3'-6"	4'-0"	6'-0"	4,500 to 5,000
			3'-3"	3'-9"	4'-3"	4'-9"	5'-3"	5'-6"	6'-0"	8'-0"	6,000
264	16"	30" to 50"	*	*	*	*	1'-0"	1'-6"	1'-9"	3'-9"	3,000 to 3,500
			1'-0"	1'-6"	2'-0"	2'-6"	2'-9"	3'-3"	3'-9"	5'-6"	4,500 to 5,000
			3'-0"	3'-6"	3'-9"	4'-3"	4'-9"	5'-3"	5'-9"	7'-6"	6,000
290	18"	30" to 50"	*	*	*	*	1'-0"	1'-3"	1'-9"	3'-6"	3,000 to 3,500
			1'-0"	1'-6"	1'-9"	2'-3"	2'-9"	3'-0"	3'-6"	5'-3"	4,500 to 5,000
			2'-9"	3'-3"	3'-6"	4'-0"	4'-6"	4'-9"	5'-3"	7'-0"	6,000
317	20"	30" to 50"	*	*	*	*	*	1'-3"	1'-6"	3'-3"	3,000 to 3,500
			1'-0"	1'-3"	1'-9"	2'-0"	2'-6"	3'-0"	3'-3"	4'-9"	4,500 to 5,000
			2'-6"	3'-0"	3'-3"	3'-9"	4'-3"	4'-6"	5'-0"	6'-6"	6,000

NOTES:

- Design load calculations for the above bracket spacings are based on a dead load of 160 pcf for the concrete and formwork, a live load of 50 psf for workers, moveable equipment and materials, plus a 75 plf vertical load applied at the outside edge of the deck overhang. A 50 psf live load is also applied to the walkway area.
- Always check overhang form lumber to make certain it will span the selected bracket spacing.
- For a nominal charge, Dayton Superior Technical Assistance will calculate a recommended bracket spacing when conditions on your specific project vary from those shown.

C49 Bridge Overhang Bracket and Exterior Hanger Spacing

Over 2'-0" to 3'-0" Overhangs on Steel Beams or Girders



Design Load PSF	Maximum Overhang Thickness	Bracket "D" Dimension	Screed Load Per Bracket = S ₁							Hanger SWL Range (lbs.)	
			2,500 lbs.	2,250 lbs.	2,000 lbs.	1,750 lbs.	1,500 lbs.	1,250 lbs.	1,000 lbs.		0 lbs.
130	6"	30" to 50"	*	*	*	*	1'-0"	1'-6"	2'-0"	4'-0"	3,000 to 3,500
			1'-3"	1'-9"	2'-3"	2'-6"	3'-0"	3'-6"	4'-0"	6'-0"	4,500 to 5,000
			3'-3"	3'-9"	4'-3"	4'-6"	5'-0"	5'-6"	6'-0"	8'-0"	6,000
157	8"	30" to 50"	*	*	*	*	1'-0"	1'-3"	1'-9"	3'-6"	3,000 to 3,500
			1'-0"	1'-6"	1'-9"	2'-3"	2'-9"	3'-3"	3'-6"	5'-3"	4,500 to 5,000
			2'-9"	3'-3"	3'-9"	4'-0"	4'-6"	5'-0"	5'-3"	7'-0"	6,000
184	10"	30" to 50"	*	*	*	*	*	1'-3"	1'-6"	3'-0"	3,000 to 3,500
			1'-0"	1'-3"	1'-9"	2'-0"	2'-6"	2'-9"	3'-3"	4'-9"	4,500 to 5,000
			2'-6"	3'-0"	3'-3"	3'-9"	4'-0"	4'-6"	4'-9"	6'-3"	6,000
210	12"	30" to 50"	*	*	*	*	*	1'-0"	1'-6"	2'-9"	3,000 to 3,500
			*	1'-3"	1'-6"	1'-9"	2'-3"	2'-6"	3'-0"	4'-3"	4,500 to 5,000
			2'-3"	2'-6"	3'-0"	3'-3"	3'-9"	4'-0"	4'-3"	5'-9"	6,000
237	14"	30" to 50"	*	*	*	*	*	1'-0"	1'-3"	2'-6"	3,000 to 3,500
			*	1'-0"	1'-3"	1'-9"	2'-0"	2'-3"	2'-9"	4'-0"	4,500 to 5,000
			2'-0"	2'-6"	2'-9"	3'-0"	3'-3"	3'-9"	4'-0"	5'-3"	6,000
264	16"	30" to 50"	*	*	*	*	*	1'-0"	1'-3"	2'-3"	3,000 to 3,500
			*	1'-0"	1'-3"	1'-6"	1'-9"	2'-3"	2'-6"	3'-6"	4,500 to 5,000
			2'-0"	2'-3"	2'-6"	2'-9"	3'-0"	3'-3"	3'-9"	4'-9"	6,000
290	18"	30" to 50"	*	*	*	*	*	*	1'-0"	2'-3"	3,000 to 3,500
			*	1'-0"	1'-3"	1'-6"	1'-9"	2'-0"	2'-3"	3'-3"	4,500 to 5,000
			1'-9"	2'-0"	2'-3"	2'-6"	2'-9"	3'-0"	3'-6"	4'-6"	6,000
317	20"	30" to 50"	*	*	*	*	*	*	1'-0"	2'-0"	3,000 to 3,500
			*	*	1'-0"	1'-3"	1'-6"	1'-9"	2'-0"	3'-0"	4,500 to 5,000
			1'-9"	2'-0"	2'-3"	2'-6"	2'-9"	3'-0"	3'-3"	4'-3"	6,000

NOTES:

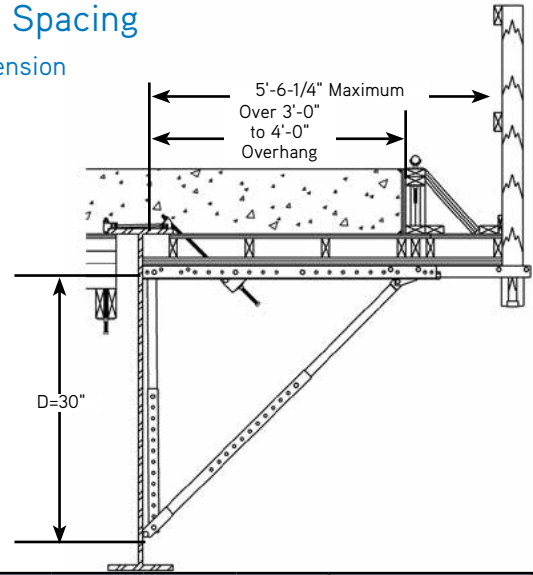
Design load calculations for the above bracket spacings are based on a dead load of 160 pcf for the concrete and formwork, a live load of 50 psf for workers, moveable equipment and materials, plus a 75 plf vertical load applied at the outside edge of the deck overhang. A 50 psf live load is also applied to the walkway area.

Always check overhang form lumber to make certain it will span the selected bracket spacing.

For a nominal charge, Dayton Superior Technical Assistance will calculate a recommended bracket spacing when conditions on your specific project vary from those shown.

C49 Bridge Overhang Bracket and Exterior Hanger Spacing

Over 3'-0" to 4'-0" Overhangs on Steel Beams or Girders, 30" "D" Dimension



Bridge Overhang Brackets

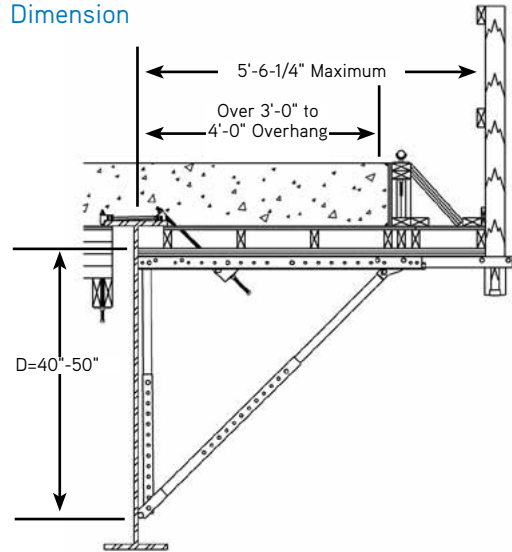
Design Load PSF	Maximum Overhang Thickness	Bracket "D" Dimension	Screed Load Per Bracket = Si								Hanger SWL Range (lbs.)
			2,500 lbs.	2,250 lbs.	2,000 lbs.	1,750 lbs.	1,500 lbs.	1,250 lbs.	1,000 lbs.	0 lbs.	
130	6"	30"	*	*	*	*	*	1'-3"	1'-9"	3'-6"	3,000 to 3,500
			*	1'-3"	1'-9"	2'-3"	2'-9"	3'-0"	3'-6"	5'-3"	4,500 to 5,000
			*	1'-6"	2'-0"	2'-9"	3'-6"	4'-3"	5'-3"	7'-0"	6,000
157	8"	30"	*	*	*	*	*	1'-0"	1'-6"	3'-0"	3,000 to 3,500
			*	1'-0"	1'-6"	2'-0"	2'-3"	2'-9"	3'-0"	4'-6"	4,500 to 5,000
			*	1'-3"	1'-9"	2'-6"	3'-3"	4'-0"	4'-6"	6'-0"	6,000
184	10"	30"	*	*	*	*	*	1'-0"	1'-3"	2'-6"	3,000 to 3,500
			*	*	1'-3"	1'-9"	2'-0"	2'-3"	2'-9"	4'-0"	4,500 to 5,000
			*	1'-0"	1'-6"	2'-3"	3'-0"	3'-6"	4'-0"	5'-3"	6,000
210	12"	30"	*	*	*	*	*	*	1'-3"	2'-3"	3,000 to 3,500
			*	*	1'-0"	1'-6"	1'-9"	2'-0"	2'-3"	3'-6"	4,500 to 5,000
			*	1'-0"	1'-6"	2'-0"	2'-9"	3'-3"	3'-6"	4'-9"	6,000
237	14"	30"	*	*	*	*	*	*	1'-0"	2'-0"	3,000 to 3,500
			*	*	1'-0"	1'-3"	1'-6"	1'-9"	2'-0"	3'-3"	4,500 to 5,000
			*	1'-0"	1'-3"	1'-9"	2'-3"	3'-0"	3'-3"	4'-3"	6,000
264	16"	30"	*	*	*	*	*	*	1'-0"	1'-9"	3,000 to 3,500
			*	*	1'-0"	1'-3"	1'-6"	1'-9"	2'-0"	2'-9"	4,500 to 5,000
			*	*	1'-3"	1'-9"	2'-3"	2'-9"	3'-0"	3'-9"	6,000
290	18"	30"	*	*	*	*	*	*	*	1'-9"	3,000 to 3,500
			*	*	*	1'-0"	1'-3"	1'-6"	1'-9"	2'-6"	4,500 to 5,000
			*	*	1'-0"	1'-6"	2'-0"	2'-6"	2'-9"	3'-6"	6,000
317	20"	30"	*	*	*	*	*	*	*	1'-6"	3,000 to 3,500
			*	*	*	1'-0"	1'-3"	1'-6"	1'-6"	2'-6"	4,500 to 5,000
			*	*	1'-0"	1'-6"	1'-9"	2'-3"	2'-6"	3'-3"	6,000

NOTES:

- Design load calculations for the above bracket spacings are based on a dead load of 160 pcf for the concrete and formwork, a live load of 50 psf for workers, moveable equipment and materials, plus a 75 plf vertical load applied at the outside edge of the deck overhang. A 50 psf live load is also applied to the walkway area.
- Always check overhang form lumber to make certain it will span the selected bracket spacing.
- For a nominal charge, Dayton Superior Technical Assistance will calculate a recommended bracket spacing when conditions on your specific project vary from those shown.

C49 Bridge Overhang Bracket and Exterior Hanger Spacing

Over 3'-0" to 4'-0" Overhangs on Steel Beams or Girders, 40" to 50" "D" Dimension



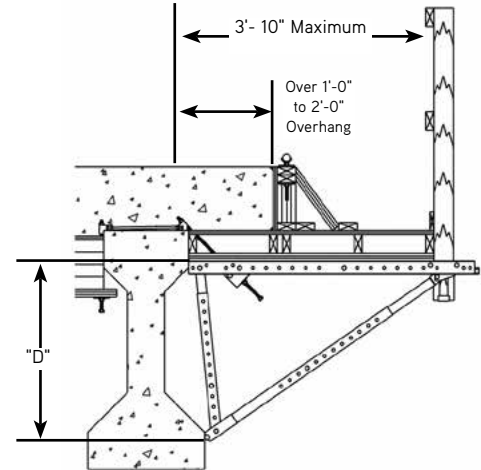
Design Load PSF	Maximum Overhang Thickness	Bracket "D" Dimension	Screed Load Per Bracket = S _i								Hanger SWL Range (lbs.)
			2,500 lbs.	2,250 lbs.	2,000 lbs.	1,750 lbs.	1,500 lbs.	1,250 lbs.	1,000 lbs.	0 lbs.	
130	6"	40" to 50"	*	*	*	*	1'-0"	1'-3"	1'-9"	3'-6"	3,000 to 3,500
			1'-0"	1'-6"	1'-9"	2'-3"	2'-9"	3'-0"	3'-6"	5'-3"	4,500 to 5,000
			2'-3"	3'-0"	3'-6"	4'-0"	4'-6"	4'-9"	5'-3"	7'-0"	6,000
157	8"	40" to 50"	*	*	*	*	*	1'-0"	1'-6"	3'-0"	3,000 to 3,500
			*	1'-3"	1'-6"	2'-0"	2'-3"	2'-9"	3'-0"	4'-6"	4,500 to 5,000
			2'-0"	2'-9"	3'-0"	3'-6"	3'-9"	4'-3"	4'-6"	6'-0"	6,000
184	10"	40" to 50"	*	*	*	*	*	1'-0"	1'-3"	2'-6"	3,000 to 3,500
			*	1'-0"	1'-3"	1'-9"	2'-0"	2'-3"	2'-9"	4'-0"	4,500 to 5,000
			1'-9"	2'-6"	2'-9"	3'-0"	3'-3"	3'-9"	4'-0"	5'-3"	6,000
210	12"	40" to 50"	*	*	*	*	*	*	1'-3"	2'-3"	3,000 to 3,500
			*	1'-0"	1'-3"	1'-6"	1'-9"	2'-0"	2'-3"	3'-6"	4,500 to 5,000
			1'-9"	2'-3"	2'-6"	2'-9"	3'-0"	3'-3"	3'-6"	4'-9"	6,000
237	14"	40" to 50"	*	*	*	*	*	*	1'-0"	2'-0"	3,000 to 3,500
			*	*	1'-0"	1'-3"	1'-6"	1'-9"	2'-0"	3'-3"	4,500 to 5,000
			1'-6"	2'-0"	2'-3"	2'-6"	2'-9"	3'-0"	3'-3"	4'-3"	6,000
264	16"	40" to 50"	*	*	*	*	*	*	1'-0"	1'-9"	3,000 to 3,500
			*	*	1'-0"	1'-3"	1'-6"	1'-9"	2'-0"	2'-9"	4,500 to 5,000
			1'-6"	1'-9"	2'-0"	2'-3"	2'-6"	2'-9"	3'-0"	3'-9"	6,000
290	18"	40" to 50"	*	*	*	*	*	*	*	1'-9"	3,000 to 3,500
			*	*	1'-0"	1'-0"	1'-3"	1'-6"	1'-9"	2'-6"	4,500 to 5,000
			1'-3"	1'-6"	1'-9"	2'-0"	2'-3"	2'-6"	2'-9"	3'-6"	6,000
317	20"	40" to 50"	*	*	*	*	*	*	*	1'-6"	3,000 to 3,500
			*	*	*	1'-0"	1'-3"	1'-6"	1'-6"	2'-6"	4,500 to 5,000
			1'-3"	1'-6"	1'-9"	1'-9"	2'-0"	2'-3"	2'-6"	3'-3"	6,000

NOTES:

- Design load calculations for the above bracket spacings are based on a dead load of 160 pcf for the concrete and formwork, a live load of 50 psf for workers, moveable equipment and materials, plus a 75 plf vertical load applied at the outside edge of the deck overhang. A 50 psf live load is also applied to the walkway area.
- Always check overhang form lumber to make certain it will span the selected bracket spacing.
- For a nominal charge, Dayton Superior Technical Assistance will calculate a recommended bracket spacing when conditions on your specific project vary from those shown.

C49 Bridge Overhang Bracket and Exterior Hanger Spacing

Over 1'-0" to 2'-0" Overhangs on Precast/Prestressed Concrete Girders



Bridge Overhang Brackets

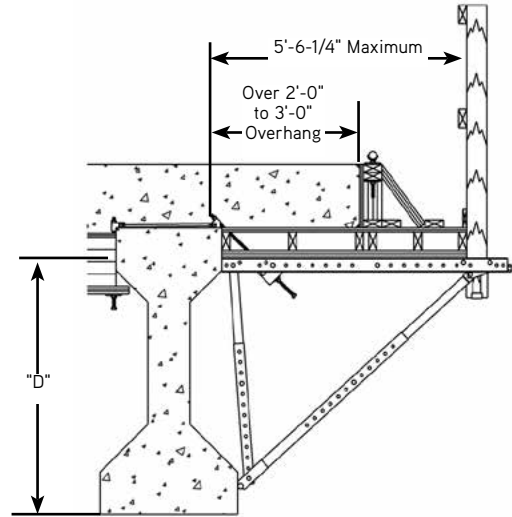
Design Load PSF	Maximum Overhang Thickness	Bracket "D" Dimension	Screed Load Per Bracket = S ₁								Hanger SWL Range (lbs.)
			2,500 lbs.	2,250 lbs.	2,000 lbs.	1,750 lbs.	1,500 lbs.	1,250 lbs.	1,000 lbs.	0 lbs.	
130	6"	30" to 50"	*	*	*	*	1'-3"	2'-0"	2'-6"	4'-9"	3,000 to 3,500
			1'-6"	2'-0"	2'-9"	3'-3"	3'-9"	4'-6"	5'-0"	7'-3"	4,500 to 5,000
			4'-0"	4'-6"	5'-3"	5'-9"	6'-3"	7'-0"	7'-6"	8'-0"	6,000
157	8"	30" to 50"	*	*	*	*	1'-3"	1'-9"	2'-3"	4'-3"	3,000 to 3,500
			1'-3"	1'-9"	2'-3"	2'-9"	3'-6"	4'-0"	4'-6"	6'-6"	4,500 to 5,000
			3'-6"	4'-0"	4'-6"	5'-0"	5'-6"	6'-0"	6'-9"	8'-0"	6,000
184	10"	30" to 50"	*	*	*	*	1'-0"	1'-6"	2'-0"	3'-9"	3,000 to 3,500
			1'-3"	1'-6"	2'-0"	2'-6"	3'-0"	3'-6"	4'-0"	5'-9"	4,500 to 5,000
			3'-3"	3'-6"	4'-0"	4'-6"	5'-0"	5'-6"	6'-0"	7'-9"	6,000
210	12"	30" to 50"	*	*	*	*	1'-0"	1'-3"	1'-9"	3'-6"	3,000 to 3,500
			1'-0"	1'-6"	2'-0"	2'-3"	2'-9"	3'-3"	3'-6"	5'-3"	4,500 to 5,000
			2'-9"	3'-3"	3'-9"	4'-0"	4'-6"	5'-0"	5'-6"	7'-0"	6,000
237	14"	30" to 50"	*	*	*	*	*	1'-3"	1'-9"	3'-3"	3,000 to 3,500
			1'-0"	1'-3"	1'-9"	2'-0"	2'-6"	3'-0"	3'-3"	4'-9"	4,500 to 5,000
			2'-6"	3'-0"	3'-6"	3'-9"	4'-3"	4'-6"	5'-0"	6'-6"	6,000
264	16"	30" to 50"	*	*	*	*	*	1'-3"	1'-6"	3'-0"	3,000 to 3,500
			*	1'-3"	1'-6"	2'-0"	2'-3"	2'-9"	3'-0"	4'-6"	4,500 to 5,000
			2'-6"	2'-9"	3'-0"	3'-6"	3'-9"	4'-3"	4'-6"	6'-0"	6,000
290	18"	30" to 50"	*	*	*	*	*	1'-0"	1'-6"	2'-9"	3,000 to 3,500
			*	1'-0"	1'-6"	1'-9"	2'-3"	2'-6"	2'-9"	4'-3"	4,500 to 5,000
			2'-3"	2'-6"	3'-0"	3'-3"	3'-6"	4'-0"	4'-3"	5'-6"	6,000
317	20"	30" to 50"	*	*	*	*	*	1'-0"	1'-3"	2'-6"	3,000 to 3,500
			*	1'-0"	1'-3"	1'-9"	2'-0"	2'-3"	2'-6"	3'-9"	4,500 to 5,000
			2'-0"	2'-3"	2'-9"	3'-0"	3'-3"	3'-6"	4'-0"	5'-3"	6,000

NOTES:

- Design load calculations for the above bracket spacings are based on a dead load of 160 pcf for the concrete and formwork, a live load of 50 psf for workers, moveable equipment and materials, plus a 75 plf vertical load applied at the outside edge of the deck overhang. A 50 psf live load is also applied to the walkway area.
- Always check overhang form lumber to make certain it will span the selected bracket spacing.
- For a nominal charge, Dayton Superior Technical Assistance will calculate a recommended bracket spacing when conditions on your specific project vary from those shown.

C49 Bridge Overhang Bracket and Exterior Hanger Spacing

Over 2'-0" to 3'-0" Overhangs on Precast/Prestressed Concrete Girders



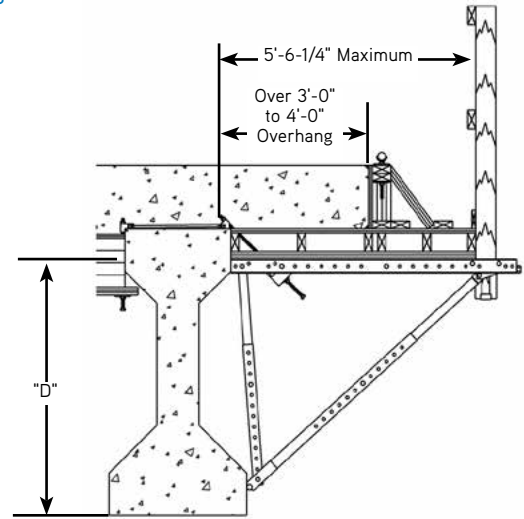
Design Load PSF	Maximum Overhang Thickness	Bracket "D" Dimension	Screed Load Per Bracket = S _t								Hanger SWL Range (lbs.)
			2,500 lbs.	2,250 lbs.	2,000 lbs.	1,750 lbs.	1,500 lbs.	1,250 lbs.	1,000 lbs.	0 lbs.	
130	6"	30" to 50"	*	*	*	*	1'-0"	1'-3"	1'-9"	3'-6"	3,000 to 3,500
			1'-0"	1'-6"	2'-0"	2'-3"	2'-9"	3'-3"	3'-6"	5'-3"	4,500 to 5,000
			2'-3"	2'-9"	3'-6"	4'-0"	4'-6"	5'-0"	5'-3"	7'-0"	6,000
157	8"	30" to 50"	*	*	*	*	*	1'-3"	1'-6"	3'-0"	3,000 to 3,500
			1'-0"	1'-3"	1'-9"	2'-0"	2'-6"	2'-9"	3'-3"	4'-6"	4,500 to 5,000
			2'-6"	2'-9"	3'-3"	3'-6"	4'-0"	4'-3"	4'-9"	6'-3"	6,000
184	10"	30" to 50"	*	*	*	*	*	1'-0"	1'-3"	2'-9"	3,000 to 3,500
			*	1'-0"	1'-6"	1'-9"	2'-0"	2'-6"	2'-9"	4'-0"	4,500 to 5,000
			2'-3"	2'-6"	2'-9"	3'-3"	3'-6"	3'-9"	4'-3"	5'-6"	6,000
210	12"	30" to 50"	*	*	*	*	*	1'-0"	1'-3"	2'-6"	3,000 to 3,500
			*	1'-0"	1'-3"	1'-6"	2'-0"	2'-3"	2'-6"	3'-9"	4,500 to 5,000
			2'-0"	2'-3"	2'-6"	3'-0"	3'-3"	3'-6"	3'-9"	5'-0"	6,000
237	14"	30" to 50"	*	*	*	*	*	*	1'-0"	2'-3"	3,000 to 3,500
			*	1'-0"	1'-3"	1'-6"	1'-9"	2'-0"	2'-3"	3'-3"	4,500 to 5,000
			1'-9"	2'-0"	2'-3"	2'-6"	3'-0"	3'-3"	3'-6"	4'-6"	6,000
264	16"	30" to 50"	*	*	*	*	*	*	1'-0"	2'-0"	3,000 to 3,500
			*	*	1'-0"	1'-3"	1'-6"	1'-9"	2'-0"	3'-0"	4,500 to 5,000
			1'-9"	2'-0"	2'-3"	2'-6"	2'-9"	3'-0"	3'-3"	4'-3"	6,000
290	18"	30" to 50"	*	*	*	*	*	*	1'-0"	1'-9"	3,000 to 3,500
			*	*	1'-0"	1'-3"	1'-6"	1'-9"	2'-0"	2'-9"	4,500 to 5,000
			1'-6"	1'-9"	2'-0"	2'-3"	2'-6"	2'-9"	3'-0"	3'-9"	6,000
317	20"	30" to 50"	*	*	*	*	*	*	*	1'-9"	3,000 to 3,500
			*	*	1'-0"	1'-0"	1'-3"	1'-6"	1'-9"	2'-9"	4,500 to 5,000
			1'-6"	1'-6"	1'-9"	2'-0"	2'-3"	2'-6"	2'-9"	3'-6"	6,000

NOTES:

- Design load calculations for the above bracket spacings are based on a dead load of 160 pcf for the concrete and formwork, a live load of 50 psf for workers, moveable equipment and materials, plus a 75 plf vertical load applied at the outside edge of the deck overhang. A 50 psf live load is also applied to the walkway area.
- Always check overhang form lumber to make certain it will span the selected bracket spacing.
- For a nominal charge, Dayton Superior Technical Assistance will calculate a recommended bracket spacing when conditions on your specific project vary from those shown.

C49 Bridge Overhang Bracket and Exterior Hanger Spacing

Over 3'-0" to 4'-0" Overhangs on Precast/Prestressed Concrete Girders



Bridge Overhang Brackets

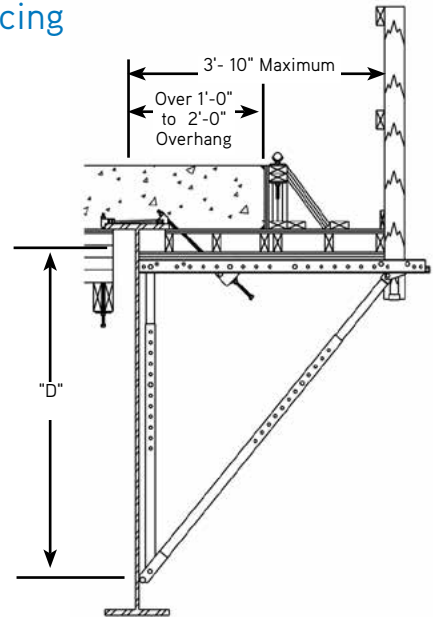
Design Load PSF	Maximum Overhang Thickness	Bracket "D" Dimension	Screed Load Per Bracket = S _i								Hanger SWL Range (lbs.)
			2,500 lbs.	2,250 lbs.	2,000 lbs.	1,750 lbs.	1,500 lbs.	1,250 lbs.	1,000 lbs.	0 lbs.	
130	6"	30" to 50"	*	*	*	*	*	1'-0"	1'-6"	3'-0"	3,000 to 3,500
			*	*	*	1'-9"	2'-6"	2'-9"	3'-3"	4'-6"	4,500 to 5,000
			*	*	*	1'-9"	2'-6"	3'-0"	3'-9"	6'-9"	6,000
157	8"	30" to 50"	*	*	*	*	*	*	1'-3"	2'-6"	3,000 to 3,500
			*	*	*	1'-6"	2'-0"	2'-3"	2'-9"	4'-0"	4,500 to 5,000
			*	*	*	1'-6"	2'-3"	2'-9"	3'-6"	5'-3"	6,000
184	10"	30" to 50"	*	*	*	*	*	*	1'-3"	2'-3"	3,000 to 3,500
			*	*	*	1'-3"	1'-9"	2'-0"	2'-3"	3'-6"	4,500 to 5,000
			*	*	*	1'-6"	2'-0"	2'-6"	3'-0"	4'-9"	6,000
210	12"	30" to 50"	*	*	*	*	*	*	1'-0"	2'-0"	3,000 to 3,500
			*	*	*	1'-3"	1'-6"	1'-9"	2'-0"	3'-0"	4,500 to 5,000
			*	*	*	1'-3"	1'-9"	2'-3"	2'-9"	4'-3"	6,000
237	14"	30" to 50"	*	*	*	*	*	*	1'-0"	1'-9"	3,000 to 3,500
			*	*	*	1'-0"	1'-6"	1'-9"	1'-9"	2'-9"	4,500 to 5,000
			*	*	*	1'-0"	1'-6"	2'-0"	2'-6"	3'-9"	6,000
264	16"	30" to 50"	*	*	*	*	*	*	*	1'-9"	3,000 to 3,500
			*	*	*	1'-0"	1'-3"	1'-6"	1'-9"	2'-6"	4,500 to 5,000
			*	*	*	1'-0"	1'-6"	1'-9"	2'-3"	3'-6"	6,000
290	18"	30" to 50"	*	*	*	*	*	*	*	1'-6"	3,000 to 3,500
			*	*	*	*	1'-0"	1'-3"	1'-6"	2'-3"	4,500 to 5,000
			*	*	*	1'-0"	1'-3"	1'-9"	2'-0"	3'-0"	6,000
317	20"	30" to 50"	*	*	*	*	*	*	*	1'-3"	3,000 to 3,500
			*	*	*	*	1'-0"	1'-3"	1'-6"	2'-0"	4,500 to 5,000
			*	*	*	*	1'-3"	1'-6"	2'-0"	2'-9"	6,000

NOTES:

- Design load calculations for the above bracket spacings are based on a dead load of 160 pcf for the concrete and formwork, a live load of 50 psf for workers, moveable equipment and materials, plus a 75 plf vertical load applied at the outside edge of the deck overhang. A 50 psf live load is also applied to the walkway area.
- Always check overhang form lumber to make certain it will span the selected bracket spacing.
- For a nominal charge, Dayton Superior Technical Assistance will calculate a recommended bracket spacing when conditions on your specific project vary from those shown.

C49D Bridge Overhang Bracket and Exterior Hanger Spacing

Over 1'-0" to 2'-0" Overhangs on Steel Beams or Girders



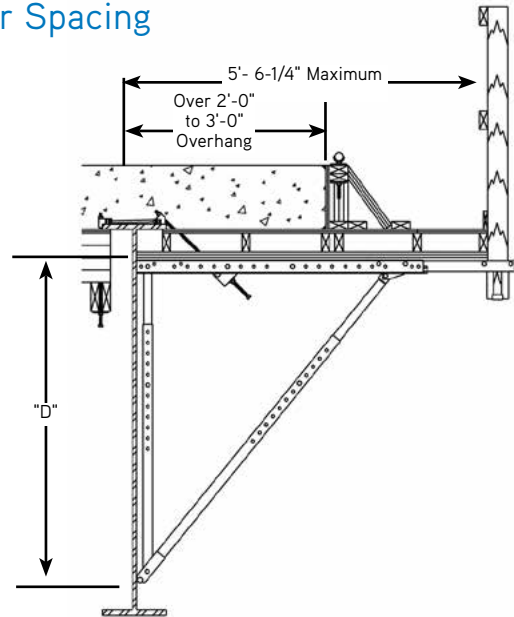
Design Load PSF	Maximum Overhang Thickness	Bracket "D" Dimension	Screed Load Per Bracket = S ₁								Hanger SWL Range (lbs.)
			2,500 lbs.	2,250 lbs.	2,000 lbs.	1,750 lbs.	1,500 lbs.	1,250 lbs.	1,000 lbs.	0 lbs.	
130	6"	50" to 70"	*	*	*	1'-0"	1'-6"	2'-3"	3'-0"	5'-9"	3,000 to 3,500
			1'-9"	2'-6"	3'-3"	3'-9"	4'-6"	5'-3"	6'-0"	8'-0"	4,500 to 5,000
			4'-9"	5'-6"	6'-0"	6'-9"	7'-6"	8'-0"	8'-0"	8'-0"	6,000
157	8"	50" to 70"	*	*	*	*	1'-6"	2'-0"	2'-9"	5'-3"	3,000 to 3,500
			1'-6"	2'-3"	2'-9"	3'-6"	4'-0"	4'-9"	5'-3"	7'-9"	4,500 to 5,000
			4'-3"	4'-9"	5'-6"	6'-0"	6'-9"	7'-3"	8'-0"	8'-0"	6,000
184	10"	50" to 70"	*	*	*	*	1'-3"	1'-9"	2'-6"	4'-9"	3,000 to 3,500
			1'-6"	2'-0"	2'-6"	3'-0"	3'-9"	4'-3"	4'-9"	7'-0"	4,500 to 5,000
			3'-9"	4'-6"	5'-0"	5'-6"	6'-0"	6'-9"	7'-3"	8'-0"	6,000
210	12"	50" to 70"	*	*	*	*	1'-3"	1'-9"	2'-3"	4'-3"	3,000 to 3,500
			1'-3"	1'-9"	2'-3"	2'-9"	3'-3"	4'-0"	4'-6"	6'-6"	4,500 to 5,000
			3'-6"	4'-0"	4'-6"	5'-0"	5'-6"	6'-0"	6'-6"	8'-0"	6,000
237	14"	50" to 70"	*	*	*	*	1'-0"	1'-6"	2'-0"	4'-0"	3,000 to 3,500
			1'-3"	1'-9"	2'-3"	2'-6"	3'-0"	3'-6"	4'-0"	6'-0"	4,500 to 5,000
			3'-3"	3'-9"	4'-3"	4'-9"	5'-3"	5'-6"	6'-0"	8'-0"	6,000
264	16"	50" to 70"	*	*	*	*	1'-0"	1'-6"	1'-9"	3'-9"	3,000 to 3,500
			1'-0"	1'-6"	2'-0"	2'-6"	2'-9"	3'-3"	3'-9"	5'-6"	4,500 to 5,000
			3'-0"	3'-6"	3'-9"	4'-3"	4'-9"	5'-3"	5'-9"	7'-6"	6,000
290	18"	50" to 70"	*	*	*	*	1'-0"	1'-3"	1'-9"	3'-6"	3,000 to 3,500
			1'-0"	1'-6"	1'-9"	2'-3"	2'-9"	3'-0"	3'-6"	5'-3"	4,500 to 5,000
			2'-9"	3'-3"	3'-6"	4'-0"	4'-6"	4'-9"	5'-3"	7'-0"	6,000
317	20"	50" to 70"	*	*	*	*	*	1'-3"	1'-6"	3'-3"	3,000 to 3,500
			1'-0"	1'-3"	1'-9"	2'-0"	2'-6"	3'-0"	3'-3"	4'-9"	4,500 to 5,000
			2'-6"	3'-0"	3'-3"	3'-9"	4'-3"	4'-6"	5'-0"	6'-6"	6,000

NOTES:

- Design load calculations for the above bracket spacings are based on a dead load of 160 pcf for the concrete and formwork, a live load of 50 psf for workers, moveable equipment and materials, plus a 75 plf vertical load applied at the outside edge of the deck overhang. A 50 psf live load is also applied to the walkway area.
- Always check overhang form lumber to make certain it will span the selected bracket spacing.
- For a nominal charge, Dayton Superior Technical Assistance will calculate a recommended bracket spacing when conditions on your specific project vary from those shown.

C49D Bridge Overhang Bracket and Exterior Hanger Spacing

Over 2'-0" to 3'-0" Overhangs on Steel Beams or Girders



Bridge Overhang Brackets

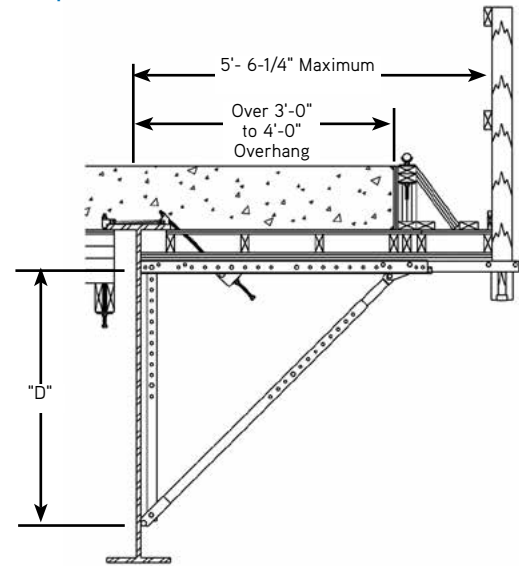
Design Load PSF	Maximum Overhang Thickness	Bracket "D" Dimension	Screed Load Per Bracket = S ₁								Hanger SWL Range (lbs.)
			2,500 lbs.	2,250 lbs.	2,000 lbs.	1,750 lbs.	1,500 lbs.	1,250 lbs.	1,000 lbs.	0 lbs.	
130	6"	50" to 70"	*	*	*	*	1'-0"	1'-6"	2'-0"	4'-0"	3,000 to 3,500
			1'-3"	1'-9"	2'-3"	2'-6"	3'-0"	3'-6"	4'-0"	6'-0"	4,500 to 5,000
			3'-3"	3'-9"	4'-3"	4'-6"	5'-0"	5'-6"	6'-0"	8'-0"	6,000
157	8"	50" to 70"	*	*	*	*	1'-0"	1'-3"	1'-9"	3'-6"	3,000 to 3,500
			1'-0"	1'-6"	1'-9"	2'-3"	2'-9"	3'-3"	3'-6"	5'-3"	4,500 to 5,000
			2'-9"	3'-3"	3'-9"	4'-0"	4'-6"	5'-0"	5'-3"	7'-0"	6,000
184	10"	50" to 70"	*	*	*	*	*	1'-3"	1'-6"	3'-0"	3,000 to 3,500
			1'-0"	1'-3"	1'-9"	2'-0"	2'-6"	2'-9"	3'-3"	4'-9"	4,500 to 5,000
			2'-6"	3'-0"	3'-3"	3'-9"	4'-0"	4'-6"	4'-9"	6'-3"	6,000
210	12"	50" to 70"	*	*	*	*	*	1'-0"	1'-6"	2'-9"	3,000 to 3,500
			*	1'-3"	1'-6"	1'-9"	2'-3"	2'-6"	3'-0"	4'-3"	4,500 to 5,000
			2'-3"	2'-6"	3'-0"	3'-3"	3'-9"	4'-0"	4'-3"	5'-9"	6,000
237	14"	50" to 70"	*	*	*	*	*	1'-0"	1'-3"	2'-6"	3,000 to 3,500
			*	1'-0"	1'-3"	1'-9"	2'-0"	2'-3"	2'-9"	4'-0"	4,500 to 5,000
			2'-0"	2'-6"	2'-9"	3'-0"	3'-3"	3'-9"	4'-0"	5'-3"	6,000
264	16"	50" to 70"	*	*	*	*	*	1'-0"	1'-3"	2'-3"	3,000 to 3,500
			*	1'-0"	1'-3"	1'-6"	1'-9"	2'-3"	2'-6"	3'-6"	4,500 to 5,000
			2'-0"	2'-3"	2'-6"	2'-9"	3'-0"	3'-3"	3'-9"	4'-9"	6,000
290	18"	50" to 70"	*	*	*	*	*	*	1'-0"	2'-3"	3,000 to 3,500
			*	1'-0"	1'-3"	1'-6"	1'-9"	2'-0"	2'-3"	3'-3"	4,500 to 5,000
			1'-9"	2'-0"	2'-3"	2'-6"	2'-9"	3'-0"	3'-6"	4'-6"	6,000
317	20"	50" to 70"	*	*	*	*	*	*	1'-0"	2'-0"	3,000 to 3,500
			*	*	1'-0"	1'-3"	1'-6"	1'-9"	2'-0"	3'-0"	4,500 to 5,000
			1'-9"	2'-0"	2'-3"	2'-6"	2'-9"	3'-0"	3'-3"	4'-3"	6,000

NOTES:

- Design load calculations for the above bracket spacings are based on a dead load of 160 pcf for the concrete and formwork, a live load of 50 psf for workers, moveable equipment and materials, plus a 75 plf vertical load applied at the outside edge of the deck overhang. A 50 psf live load is also applied to the walkway area.
- Always check overhang form lumber to make certain it will span the selected bracket spacing.
- For a nominal charge, Dayton Superior Technical Assistance will calculate a recommended bracket spacing when conditions on your specific project vary from those shown.

C49D Bridge Overhang Bracket and Exterior Hanger Spacing

Over 3'-0" to 4'-0" Overhangs on Steel Beams or Girders



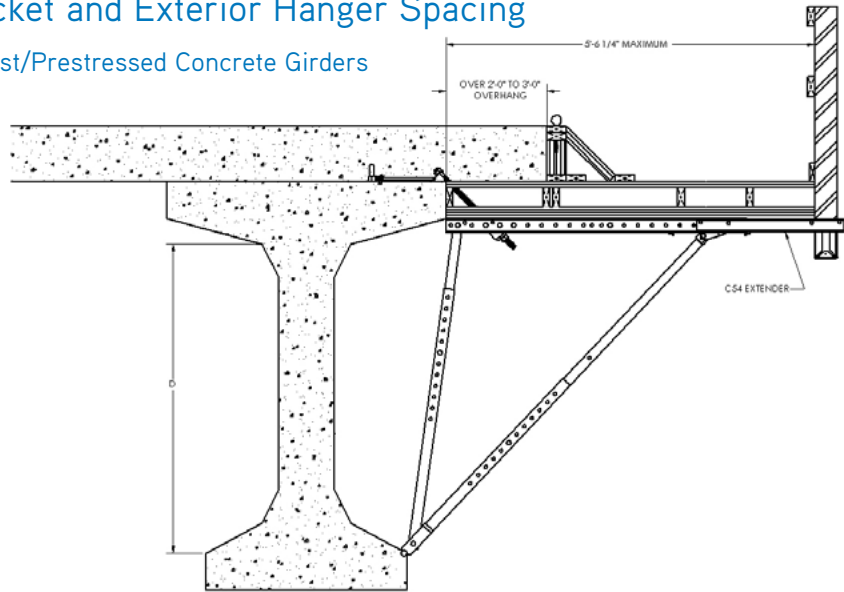
Design Load PSF	Maximum Overhang Thickness	Bracket "D" Dimension	Screed Load Per Bracket = S _i								Hanger SWL Range (lbs.)
			2,500 lbs.	2,250 lbs.	2,000 lbs.	1,750 lbs.	1,500 lbs.	1,250 lbs.	1,000 lbs.	0 lbs.	
130	6"	50" to 70"	*	*	*	*	*	1'-3"	1'-9"	3'-6"	3,000 to 3,500
			1'-0"	1'-6"	1'-9"	2'-3"	2'-9"	3'-0"	3'-6"	5'-3"	4,500 to 5,000
			2'-9"	3'-3"	3'-6"	4'-0"	4'-6"	4'-9"	5'-3"	7'-0"	6,000
157	8"	50" to 70"	*	*	*	*	*	1'-0"	1'-6"	3'-0"	3,000 to 3,500
			*	1'-3"	1'-6"	2'-0"	2'-3"	2'-9"	3'-0"	4'-6"	4,500 to 5,000
			2'-3"	2'-9"	3'-0"	3'-6"	3'-9"	4'-3"	4'-6"	6'-0"	6,000
184	10"	50" to 70"	*	*	*	*	*	1'-0"	1'-3"	2'-6"	3,000 to 3,500
			*	1'-0"	1'-3"	1'-9"	2'-0"	2'-3"	2'-9"	4'-0"	4,500 to 5,000
			2'-0"	2'-6"	2'-9"	3'-0"	3'-6"	3'-9"	4'-0"	5'-3"	6,000
210	12"	50" to 70"	*	*	*	*	*	*	1'-3"	2'-3"	3,000 to 3,500
			*	1'-0"	1'-3"	1'-6"	1'-9"	2'-0"	2'-3"	3'-6"	4,500 to 5,000
			1'-9"	2'-3"	2'-6"	2'-9"	3'-0"	3'-3"	3'-6"	4'-9"	6,000
237	14"	50" to 70"	*	*	*	*	*	*	1'-0"	2'-0"	3,000 to 3,500
			*	*	1'-0"	1'-3"	1'-6"	1'-9"	2'-0"	3'-3"	4,500 to 5,000
			1'-9"	2'-0"	2'-3"	2'-6"	2'-9"	3'-0"	3'-3"	4'-3"	6,000
264	16"	50" to 70"	*	*	*	*	*	*	1'-0"	1'-9"	3,000 to 3,500
			*	*	1'-0"	1'-3"	1'-6"	1'-9"	2'-0"	2'-9"	4,500 to 5,000
			1'-6"	1'-9"	2'-0"	2'-3"	2'-6"	2'-9"	3'-0"	3'-9"	6,000
290	18"	50" to 70"	*	*	*	*	*	*	*	1'-9"	3,000 to 3,500
			*	*	*	1'-0"	1'-3"	1'-6"	1'-9"	2'-6"	4,500 to 5,000
			1'-3"	1'-6"	1'-9"	2'-0"	2'-3"	2'-6"	2'-9"	3'-6"	6,000
317	20"	50" to 70"	*	*	*	*	*	*	*	1'-6"	3,000 to 3,500
			*	*	*	1'-0"	1'-3"	1'-6"	1'-6"	2'-6"	4,500 to 5,000
			1'-3"	1'-6"	1'-9"	1'-9"	2'-0"	2'-3"	2'-6"	3'-3"	6,000

NOTES:

- Design load calculations for the above bracket spacings are based on a dead load of 160 pcf for the concrete and formwork, a live load of 50 psf for workers, moveable equipment and materials, plus a 75 plf vertical load applied at the outside edge of the deck overhang. A 50 psf live load is also applied to the walkway area.
- Always check overhang form lumber to make certain it will span the selected bracket spacing.
- For a nominal charge, Dayton Superior Technical Assistance will calculate a recommended bracket spacing when conditions on your specific project vary from those shown.

C49D Bridge Overhang Bracket and Exterior Hanger Spacing

Over 1'-0" to 2'-0" Overhangs on Precast/Prestressed Concrete Girders



Bridge Overhang Brackets

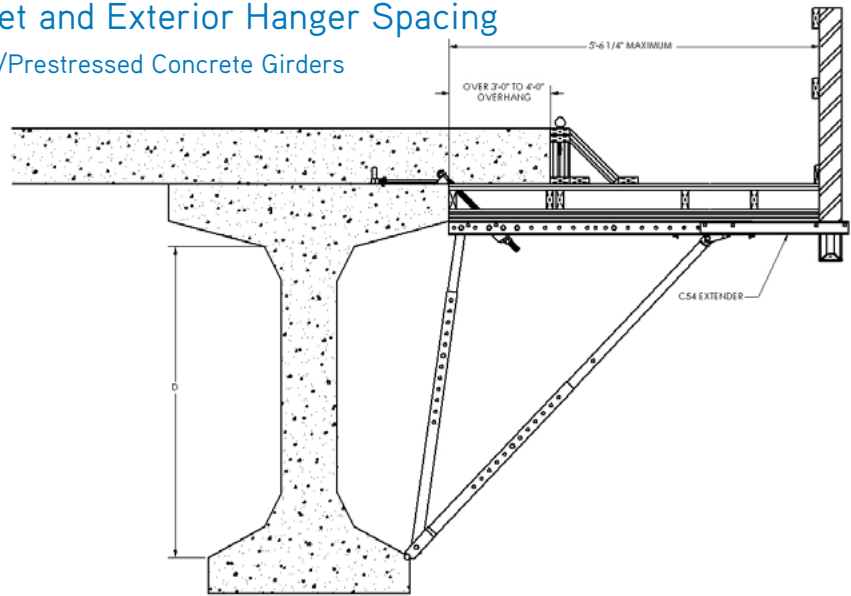
Design Load PSF	Maximum Overhang Thickness	Bracket "D" Dimension	Screed Load Per Bracket = S _i								Hanger SWL Range (lbs.)
			2,500 lbs.	2,250 lbs.	2,000 lbs.	1,750 lbs.	1,500 lbs.	1,250 lbs.	1,000 lbs.	0 lbs.	
130	6"	50" to 70"	*	*	*	*	1'-3"	2'-0"	2'-6"	4'-9"	3,000 to 3,500
			1'-6"	2'-0"	2'-9"	3'-3"	3'-9"	4'-6"	5'-0"	7'-3"	4,500 to 5,000
			4'-0"	4'-6"	5'-3"	5'-9"	6'-3"	7'-0"	7'-6"	8'-0"	6,000
157	8"	50" to 70"	*	*	*	*	1'-3"	1'-9"	2'-3"	4'-3"	3,000 to 3,500
			1'-3"	1'-9"	2'-3"	2'-9"	3'-6"	4'-0"	4'-6"	6'-6"	4,500 to 5,000
			3'-6"	4'-0"	4'-6"	5'-0"	5'-6"	6'-0"	6'-9"	8'-0"	6,000
184	10"	50" to 70"	*	*	*	*	1'-0"	1'-6"	2'-0"	3'-9"	3,000 to 3,500
			1'-3"	1'-6"	2'-0"	2'-6"	3'-0"	3'-6"	4'-0"	5'-9"	4,500 to 5,000
			3'-3"	3'-6"	4'-0"	4'-6"	5'-0"	5'-6"	6'-0"	7'-9"	6,000
210	12"	50" to 70"	*	*	*	*	1'-0"	1'-3"	1'-9"	3'-6"	3,000 to 3,500
			1'-0"	1'-6"	2'-0"	2'-3"	2'-9"	3'-3"	3'-6"	5'-3"	4,500 to 5,000
			2'-9"	3'-3"	3'-9"	4'-0"	4'-6"	5'-0"	5'-6"	7'-0"	6,000
237	14"	50" to 70"	*	*	*	*	*	1'-3"	1'-9"	3'-3"	3,000 to 3,500
			1'-0"	1'-3"	1'-9"	2'-0"	2'-6"	3'-0"	3'-3"	4'-9"	4,500 to 5,000
			2'-6"	3'-0"	3'-6"	3'-9"	4'-3"	4'-6"	5'-0"	6'-6"	6,000
264	16"	50" to 70"	*	*	*	*	*	1'-3"	1'-6"	3'-0"	3,000 to 3,500
			*	1'-3"	1'-6"	2'-0"	2'-3"	2'-9"	3'-0"	4'-6"	4,500 to 5,000
			2'-6"	2'-9"	3'-0"	3'-6"	3'-9"	4'-3"	4'-6"	6'-0"	6,000
290	18"	50" to 70"	*	*	*	*	*	1'-0"	1'-6"	2'-9"	3,000 to 3,500
			*	1'-0"	1'-6"	1'-9"	2'-3"	2'-6"	2'-9"	4'-3"	4,500 to 5,000
			2'-3"	2'-6"	3'-0"	3'-3"	3'-6"	4'-0"	4'-3"	5'-6"	6,000
317	20"	50" to 70"	*	*	*	*	*	1'-0"	1'-3"	2'-6"	3,000 to 3,500
			*	1'-0"	1'-3"	1'-9"	2'-0"	2'-3"	2'-6"	3'-9"	4,500 to 5,000
			2'-0"	2'-3"	2'-9"	3'-0"	3'-3"	3'-6"	4'-0"	5'-3"	6,000

NOTES:

- Design load calculations for the above bracket spacings are based on a dead load of 160 pcf for the concrete and formwork, a live load of 50 psf for workers, moveable equipment and materials, plus a 75 plf vertical load applied at the outside edge of the deck overhang. A 50 psf live load is also applied to the walkway area.
- Always check overhang form lumber to make certain it will span the selected bracket spacing.
- For a nominal charge, Dayton Superior Technical Assistance will calculate a recommended bracket spacing when conditions on your specific project vary from those shown.

C49D Bridge Overhang Bracket and Exterior Hanger Spacing

Over 2'-0" to 3'-0" Overhangs on Precast/Prestressed Concrete Girders



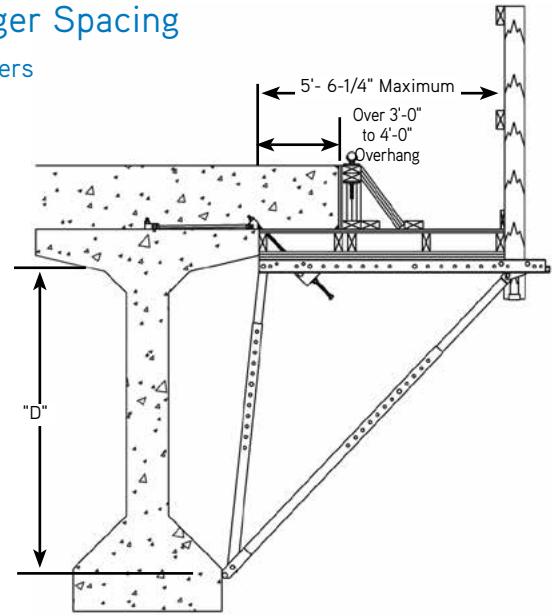
Design Load PSF	Maximum Overhang Thickness	Bracket "D" Dimension	Screed Load Per Bracket = S _t							Hanger SWL Range (lbs.)	
			2,500 lbs.	2,250 lbs.	2,000 lbs.	1,750 lbs.	1,500 lbs.	1,250 lbs.	1,000 lbs.		0 lbs.
130	6"	50" to 70"	*	*	*	*	1'-0"	1'-3"	1'-9"	3'-6"	3,000 to 3,500
			1'-0"	1'-6"	2'-0"	2'-3"	2'-9"	3'-3"	3'-6"	5'-3"	4,500 to 5,000
			2'-3"	2'-9"	3'-6"	4'-0"	4'-6"	5'-0"	5'-3"	7'-0"	6,000
157	8"	50" to 70"	*	*	*	*	*	1'-3"	1'-6"	3'-0"	3,000 to 3,500
			1'-0"	1'-3"	1'-9"	2'-0"	2'-6"	2'-9"	3'-3"	4'-6"	4,500 to 5,000
			2'-6"	2'-9"	3'-3"	3'-6"	4'-0"	4'-3"	4'-9"	6'-3"	6,000
184	10"	50" to 70"	*	*	*	*	*	1'-0"	1'-3"	2'-9"	3,000 to 3,500
			*	1'-0"	1'-6"	1'-9"	2'-0"	2'-6"	2'-9"	4'-0"	4,500 to 5,000
			2'-3"	2'-6"	2'-9"	3'-3"	3'-6"	3'-9"	4'-3"	5'-6"	6,000
210	12"	50" to 70"	*	*	*	*	*	1'-0"	1'-3"	2'-6"	3,000 to 3,500
			*	1'-0"	1'-3"	1'-6"	2'-0"	2'-3"	2'-6"	3'-9"	4,500 to 5,000
			2'-0"	2'-3"	2'-6"	3'-0"	3'-3"	3'-6"	3'-9"	5'-0"	6,000
237	14"	50" to 70"	*	*	*	*	*	*	1'-0"	2'-3"	3,000 to 3,500
			*	1'-0"	1'-3"	1'-6"	1'-9"	2'-0"	2'-3"	3'-3"	4,500 to 5,000
			1'-9"	2'-0"	2'-3"	2'-6"	3'-0"	3'-3"	3'-6"	4'-6"	6,000
264	16"	50" to 70"	*	*	*	*	*	*	1'-0"	2'-0"	3,000 to 3,500
			*	*	1'-0"	1'-3"	1'-6"	1'-9"	2'-0"	3'-0"	4,500 to 5,000
			1'-9"	2'-0"	2'-3"	2'-6"	2'-9"	3'-0"	3'-3"	4'-3"	6,000
290	18"	50" to 70"	*	*	*	*	*	*	1'-0"	1'-9"	3,000 to 3,500
			*	*	1'-0"	1'-3"	1'-6"	1'-9"	2'-0"	2'-9"	4,500 to 5,000
			1'-6"	1'-9"	2'-0"	2'-3"	2'-6"	2'-9"	3'-0"	3'-9"	6,000
317	20"	50" to 70"	*	*	*	*	*	*	*	1'-9"	3,000 to 3,500
			*	*	1'-0"	1'-0"	1'-3"	1'-6"	1'-9"	2'-9"	4,500 to 5,000
			1'-6"	1'-6"	1'-9"	2'-0"	2'-3"	2'-6"	2'-9"	3'-6"	6,000

NOTES:

- Design load calculations for the above bracket spacings are based on a dead load of 160 pcf for the concrete and formwork, a live load of 50 psf for workers, moveable equipment and materials, plus a 75 plf vertical load applied at the outside edge of the deck overhang. A 50 psf live load is also applied to the walkway area.
- Always check overhang form lumber to make certain it will span the selected bracket spacing.
- For a nominal charge, Dayton Superior Technical Assistance will calculate a recommended bracket spacing when conditions on your specific project vary from those shown.

C49D Bridge Overhang Bracket and Exterior Hanger Spacing

Over 3' -0" to 4' -0" Overhangs on Precast/Prestressed Concrete Girders



Bridge Overhang Brackets

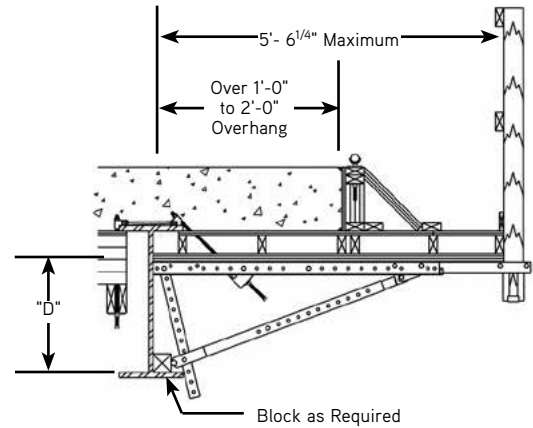
Design Load PSF	Maximum Overhang Thickness	Bracket "D" Dimension	Screed Load Per Bracket = S _i								Hanger SWL Range (lbs.)
			2,500 lbs.	2,250 lbs.	2,000 lbs.	1,750 lbs.	1,500 lbs.	1,250 lbs.	1,000 lbs.	0 lbs.	
130	6"	50" to 70"	*	*	*	*	*	1'-3"	1'-6"	3'-0"	3,000 to 3,500
			1'-0"	1'-3"	1'-9"	2'-0"	2'-6"	2'-9"	3'-3"	4'-6"	4,500 to 5,000
			2'-0"	2'-9"	3'-3"	3'-9"	4'-0"	4'-3"	4'-9"	6'-3"	6,000
157	8"	50" to 70"	*	*	*	*	*	1'-0"	1'-3"	2'-6"	3,000 to 3,500
			*	1'-0"	1'-6"	1'-9"	2'-0"	2'-3"	2'-9"	4'-0"	4,500 to 5,000
			2'-0"	2'-6"	2'-9"	3'-0"	3'-6"	3'-9"	4'-0"	5'-3"	6,000
184	10"	50" to 70"	*	*	*	*	*	*	1'-3"	2'-3"	3,000 to 3,500
			*	1'-0"	1'-3"	1'-6"	1'-9"	2'-0"	2'-3"	3'-6"	4,500 to 5,000
			1'-9"	2'-3"	2'-6"	2'-9"	3'-0"	3'-6"	3'-6"	4'-9"	6,000
210	12"	50" to 70"	*	*	*	*	*	*	1'-0"	2'-0"	3,000 to 3,500
			*	*	1'-0"	1'-3"	1'-6"	1'-9"	2'-0"	3'-0"	4,500 to 5,000
			1'-6"	2'-0"	2'-3"	2'-6"	2'-9"	3'-0"	3'-3"	4'-3"	6,000
237	14"	50" to 70"	*	*	*	*	*	*	1'-0"	1'-9"	3,000 to 3,500
			*	*	1'-0"	1'-3"	1'-6"	1'-9"	1'-9"	2'-9"	4,500 to 5,000
			1'-3"	1'-9"	2'-0"	2'-3"	2'-3"	2'-6"	2'-9"	3'-9"	6,000
264	16"	50" to 70"	*	*	*	*	*	*	*	1'-9"	3,000 to 3,500
			*	*	*	1'-0"	1'-3"	1'-6"	1'-9"	2'-6"	4,500 to 5,000
			1'-3"	1'-6"	1'-9"	2'-0"	2'-3"	2'-3"	2'-6"	3'-6"	6,000
290	18"	50" to 70"	*	*	*	*	*	*	*	1'-6"	3,000 to 3,500
			*	*	*	1'-0"	1'-3"	1'-3"	1'-6"	2'-3"	4,500 to 5,000
			1'-0"	1'-6"	1'-6"	1'-9"	2'-0"	2'-3"	2'-3"	3'-0"	6,000
317	20"	50" to 70"	*	*	*	*	*	*	*	1'-3"	3,000 to 3,500
			*	*	*	1'-0"	1'-0"	1'-3"	1'-6"	2'-0"	4,500 to 5,000
			1'-0"	1'-3"	1'-6"	1'-9"	1'-9"	2'-0"	2'-3"	2'-9"	6,000

NOTES:

- Design load calculations for the above bracket spacings are based on a dead load of 160 pcf for the concrete and formwork, a live load of 50 psf for workers, moveable equipment and materials, plus a 75 plf vertical load applied at the outside edge of the deck overhang. A 50 psf live load is also applied to the walkway area.
- Always check overhang form lumber to make certain it will span the selected bracket spacing.
- For a nominal charge, Dayton Superior Technical Assistance will calculate a recommended bracket spacing when conditions on your specific project vary from those shown.

C49S Bridge Overhang Bracket and Exterior Hanger Spacing

Over 1'-0" to 2'-0" Overhangs on Steel Beams or Girders



Design Load PSF	Maximum Overhang Thickness	Bracket "D" Dimension	Screed Load Per Bracket = S ₁								Hanger SWL Range (lbs.)
			2,500 lbs.	2,250 lbs.	2,000 lbs.	1,750 lbs.	1,500 lbs.	1,250 lbs.	1,000 lbs.	0 lbs.	
130	6"	14" to 28"	*	*	*	1'-0"	1'-6"	2'-3"	3'-0"	5'-9"	3,000 to 3,500
			1'-9"	2'-6"	3'-3"	3'-9"	4'-6"	5'-3"	6'-0"	8'-0"	4,500 to 5,000
			4'-9"	5'-6"	6'-0"	6'-9"	7'-6"	8'-0"	8'-0"	8'-0"	6,000
157	8"	14" to 28"	*	*	*	*	1'-6"	2'-0"	2'-9"	5'-3"	3,000 to 3,500
			1'-6"	2'-3"	2'-9"	3'-6"	4'-0"	4'-9"	5'-3"	7'-9"	4,500 to 5,000
			4'-3"	4'-9"	5'-6"	6'-0"	6'-9"	7'-3"	8'-0"	8'-0"	6,000
184	10"	14" to 28"	*	*	*	*	1'-3"	1'-9"	2'-6"	4'-9"	3,000 to 3,500
			1'-6"	2'-0"	2'-6"	3'-0"	3'-9"	4'-3"	4'-9"	7'-0"	4,500 to 5,000
			3'-9"	4'-6"	5'-0"	5'-6"	6'-0"	6'-9"	7'-3"	8'-0"	6,000
210	12"	14" to 28"	*	*	*	*	1'-3"	1'-9"	2'-3"	4'-3"	3,000 to 3,500
			1'-3"	1'-9"	2'-3"	2'-9"	3'-3"	4'-0"	4'-6"	6'-6"	4,500 to 5,000
			3'-6"	4'-0"	4'-6"	5'-0"	5'-6"	6'-0"	6'-6"	8'-0"	6,000
237	14"	14" to 28"	*	*	*	*	1'-0"	1'-6"	2'-0"	4'-0"	3,000 to 3,500
			1'-3"	1'-9"	2'-3"	2'-6"	3'-0"	3'-6"	4'-0"	6'-0"	4,500 to 5,000
			3'-3"	3'-9"	4'-3"	4'-9"	5'-3"	5'-6"	6'-0"	8'-0"	6,000
264	16"	14" to 28"	*	*	*	*	1'-0"	1'-6"	1'-9"	3'-9"	3,000 to 3,500
			1'-0"	1'-6"	2'-0"	2'-6"	2'-9"	3'-3"	3'-9"	5'-6"	4,500 to 5,000
			3'-0"	3'-6"	3'-9"	4'-3"	4'-9"	5'-3"	5'-9"	7'-6"	6,000
290	18"	14" to 28"	*	*	*	*	1'-0"	1'-3"	1'-9"	3'-6"	3,000 to 3,500
			1'-0"	1'-6"	1'-9"	2'-3"	2'-9"	3'-0"	3'-6"	5'-3"	4,500 to 5,000
			2'-9"	3'-3"	3'-6"	4'-0"	4'-6"	4'-9"	5'-3"	7'-0"	6,000
317	20"	14" to 28"	*	*	*	*	*	1'-3"	1'-6"	3'-3"	3,000 to 3,500
			1'-0"	1'-3"	1'-9"	2'-0"	2'-6"	3'-0"	3'-3"	4'-9"	4,500 to 5,000
			2'-6"	3'-0"	3'-3"	3'-9"	4'-3"	4'-6"	5'-0"	6'-6"	6,000

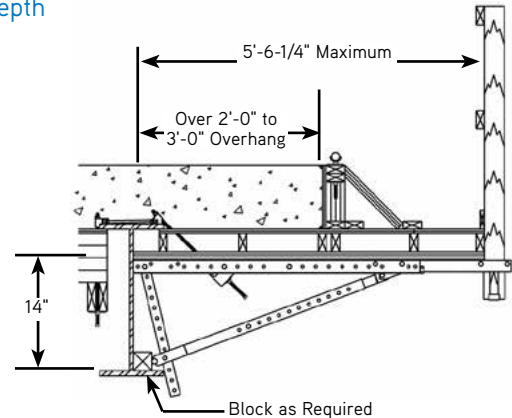
NOTES:

- Design load calculations for the above bracket spacings are based on a dead load of 160 pcf for the concrete and formwork, a live load of 50 psf for workers, moveable equipment and materials, plus a 75 plf vertical load applied at the outside edge of the deck overhang. A 50 psf live load is also applied to the walkway area.
- Always check overhang form lumber to make certain it will span the selected bracket spacing.
- For a nominal charge, Dayton Superior Technical Assistance will calculate a recommended bracket spacing when conditions on your specific project vary from those shown.

Bridge Overhang Brackets

C49S Bridge Overhang Bracket and Exterior Hanger Spacing

Over 2'-0" to 3'-0" Overhangs On Steel Beams or Girders, 14" Bracket Depth



Bridge Overhang Brackets

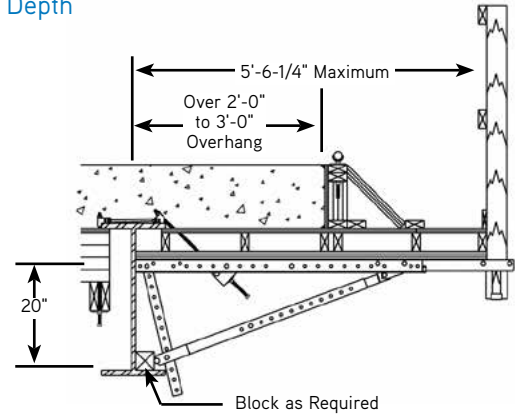
Design Load PSF	Maximum Overhang Thickness	Bracket "D" Dimension	Screed Load Per Bracket = S ₁								Hanger SWL Range (lbs.)
			2,500 lbs.	2,250 lbs.	2,000 lbs.	1,750 lbs.	1,500 lbs.	1,250 lbs.	1,000 lbs.	0 lbs.	
130	6"	14"	*	*	*	*	*	*	1'-0"	3'-6"	3,000 to 3,500
			*	*	*	1'-0"	1'-6"	2'-3"	2'-9"	5'-3"	4,500 to 5,000
			*	*	1'-3"	1'-9"	2'-6"	3'-0"	3'-9"	6'-3"	6,000
157	8"	14"	*	*	*	*	*	*	1'-0"	3'-0"	3,000 to 3,500
			*	*	*	*	1'-6"	2'-0"	2'-6"	4'-9"	4,500 to 5,000
			*	*	1'-0"	1'-9"	2'-3"	2'-9"	3'-6"	5'-9"	6,000
184	10"	14"	*	*	*	*	*	*	*	2'-9"	3,000 to 3,500
			*	*	*	*	1'-3"	1'-9"	2'-3"	4'-3"	4,500 to 5,000
			*	*	1'-0"	1'-6"	2'-0"	2'-6"	3'-3"	5'-3"	6,000
210	12"	14"	*	*	*	*	*	*	*	2'-6"	3,000 to 3,500
			*	*	*	*	1'-3"	1'-6"	2'-0"	3'-9"	4,500 to 5,000
			*	*	1'-0"	1'-6"	2'-0"	2'-6"	3'-0"	5'-0"	6,000
237	14"	14"	*	*	*	*	*	*	*	2'-3"	3,000 to 3,500
			*	*	*	*	1'-0"	1'-6"	1'-9"	3'-6"	4,500 to 5,000
			*	*	*	1'-3"	1'-9"	2'-3"	2'-9"	4'-6"	6,000
264	16"	14"	*	*	*	*	*	*	*	2'-0"	3,000 to 3,500
			*	*	*	*	1'-0"	1'-3"	1'-9"	3'-3"	4,500 to 5,000
			*	*	*	1'-3"	1'-9"	2'-0"	2'-6"	4'-3"	6,000
290	18"	14"	*	*	*	*	*	*	*	2'-0"	3,000 to 3,500
			*	*	*	*	*	1'-3"	1'-6"	3'-0"	4,500 to 5,000
			*	*	*	1'-3"	1'-6"	2'-0"	2'-6"	4'-0"	6,000
317	20"	14"	*	*	*	*	*	*	*	1'-9"	3,000 to 3,500
			*	*	*	*	*	1'-0"	1'-6"	2'-9"	4,500 to 5,000
			*	*	*	1'-0"	1'-6"	1'-9"	2'-3"	3'-6"	6,000

NOTES:

- Design load calculations for the above bracket spacings are based on a dead load of 160 pcf for the concrete and formwork, a live load of 50 psf for workers, moveable equipment and materials, plus a 75 plf vertical load applied at the outside edge of the deck overhang. A 50 psf live load is also applied to the walkway area.
- Always check overhang form lumber to make certain it will span the selected bracket spacing.
- For a nominal charge, Dayton Superior Technical Assistance will calculate a recommended bracket spacing when conditions on your specific project vary from those shown.

C49S Bridge Overhang Bracket and Exterior Hanger Spacing

Over 2'-0" to 3'-0" Overhangs on Steel Beams or Girders — 20" Bracket Depth



Design Load PSF	Maximum Overhang Thickness	Bracket "D" Dimension	Screed Load Per Bracket = S ₁								Hanger SWL Range (lbs.)
			2,500 lbs.	2,250 lbs.	2,000 lbs.	1,750 lbs.	1,500 lbs.	1,250 lbs.	1,000 lbs.	0 lbs.	
130	6"	20"	*	*	*	*	*	1'-3"	1'-9"	4'-0"	3,000 to 3,500
			*	1'-0"	1'-9"	2'-3"	2'-9"	3'-6"	4'-0"	6'-0"	4,500 to 5,000
			1'-3"	1'-9"	2'-6"	3'-0"	3'-9"	4'-3"	5'-0"	8'-0"	6,000
157	8"	20"	*	*	*	*	*	1'-3"	1'-9"	3'-6"	3,000 to 3,500
			*	1'-0"	1'-6"	2'-0"	2'-6"	3'-0"	3'-6"	5'-3"	4,500 to 5,000
			1'-0"	1'-9"	2'-3"	2'-9"	3'-6"	4'-0"	4'-9"	7'-0"	6,000
184	10"	20"	*	*	*	*	*	1'-0"	1'-6"	3'-0"	3,000 to 3,500
			*	*	1'-3"	1'-9"	2'-3"	2'-9"	3'-3"	4'-9"	4,500 to 5,000
			1'-0"	1'-6"	2'-0"	2'-9"	3'-3"	3'-9"	4'-6"	6'-3"	6,000
210	12"	20"	*	*	*	*	*	1'-0"	1'-3"	2'-9"	3,000 to 3,500
			*	*	1'-3"	1'-9"	2'-0"	2'-6"	3'-0"	4'-3"	4,500 to 5,000
			1'-0"	1'-6"	2'-0"	2'-6"	3'-0"	3'-6"	4'-0"	5'-9"	6,000
237	14"	20"	*	*	*	*	*	1'-3"	2'-6"	3,000 to 3,500	
			*	*	1'-0"	1'-6"	2'-0"	2'-3"	2'-9"	4'-0"	4,500 to 5,000
			1'-0"	1'-3"	1'-9"	2'-3"	2'-9"	3'-3"	3'-9"	5'-3"	6,000
264	16"	20"	*	*	*	*	*	1'-0"	2'-3"	3,000 to 3,500	
			*	*	1'-0"	1'-3"	1'-9"	2'-0"	2'-6"	3'-6"	4,500 to 5,000
			*	1'-3"	1'-9"	2'-3"	2'-6"	3'-0"	3'-6"	4'-9"	6,000
290	18"	20"	*	*	*	*	*	1'-0"	2'-3"	3,000 to 3,500	
			*	*	*	1'-3"	1'-6"	1'-9"	2'-3"	3'-3"	4,500 to 5,000
			*	1'-3"	1'-6"	2'-0"	2'-6"	2'-9"	3'-3"	4'-6"	6,000
317	20"	20"	*	*	*	*	*	1'-0"	2'-0"	3,000 to 3,500	
			*	*	*	1'-0"	1'-6"	1'-9"	2'-0"	3'-0"	4,500 to 5,000
			*	1'-0"	1'-6"	1'-9"	2'-3"	2'-6"	3'-0"	4'-3"	6,000

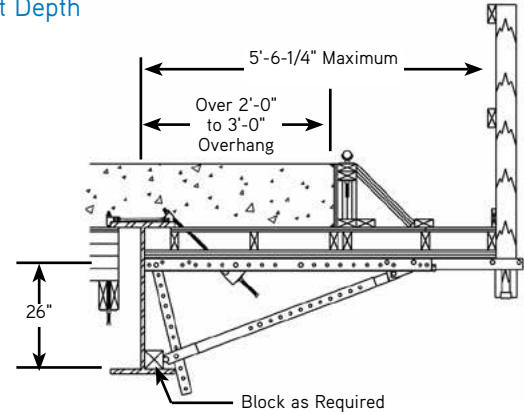
NOTES:

- Design load calculations for the above bracket spacings are based on a dead load of 160 pcf for the concrete and formwork, a live load of 50 psf for workers, moveable equipment and materials, plus a 75 plf vertical load applied at the outside edge of the deck overhang. A 50 psf live load is also applied to the walkway area.
- Always check overhang form lumber to make certain it will span the selected bracket spacing.
- For a nominal charge, Dayton Superior Technical Assistance will calculate a recommended bracket spacing when conditions on your specific project vary from those shown.

Bridge Overhang Brackets

C49S Bridge Overhang Bracket and Exterior Hanger Spacing

Over 2'-0" to 3'-0" Overhangs on Steel Beams or Girders — 26" Bracket Depth



Bridge Overhang Brackets

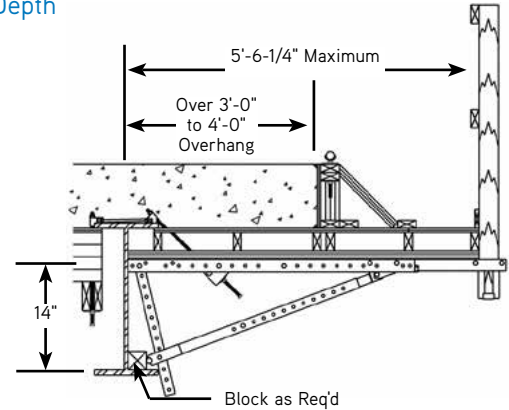
Design Load PSF	Maximum Overhang Thickness	Bracket "D" Dimension	Screed Load Per Bracket = S1								Hanger SWL Range (lbs.)
			2,500 lbs.	2,250 lbs.	2,000 lbs.	1,750 lbs.	1,500 lbs.	1,250 lbs.	1,000 lbs.	0 lbs.	
			Bracket "A" Dimension = 8" to 12"								
130	6"	26"	*	*	*	*	1'-0"	1'-6"	2'-0"	4'-0"	3,000 to 3,500
			1'-3"	1'-9"	2'-3"	2'-6"	3'-0"	3'-6"	4'-0"	6'-0"	4,500 to 5,000
			3'-3"	3'-9"	4'-3"	4'-6"	5'-0"	5'-6"	6'-0"	8'-0"	6,000
157	8"	26"	*	*	*	*	1'-0"	1'-3"	1'-9"	3'-6"	3,000 to 3,500
			1'-0"	1'-6"	1'-9"	2'-3"	2'-9"	3'-3"	3'-6"	5'-3"	4,500 to 5,000
			2'-9"	3'-3"	3'-9"	4'-0"	4'-6"	5'-0"	5'-3"	7'-0"	6,000
184	10"	26"	*	*	*	*	*	1'-3"	1'-6"	3'-0"	3,000 to 3,500
			1'-0"	1'-3"	1'-9"	2'-0"	2'-6"	2'-9"	3'-3"	4'-9"	4,500 to 5,000
			2'-6"	3'-0"	3'-3"	3'-9"	4'-0"	4'-6"	4'-9"	6'-3"	6,000
210	12"	26"	*	*	*	*	*	1'-0"	1'-6"	2'-9"	3,000 to 3,500
			*	1'-3"	1'-6"	1'-9"	2'-3"	2'-6"	3'-0"	4'-3"	4,500 to 5,000
			2'-3"	2'-6"	3'-0"	3'-3"	3'-9"	4'-0"	4'-3"	5'-9"	6,000
237	14"	26"	*	*	*	*	*	1'-0"	1'-3"	2'-6"	3,000 to 3,500
			*	1'-0"	1'-3"	1'-9"	2'-0"	2'-3"	2'-9"	4'-0"	4,500 to 5,000
			2'-0"	2'-6"	2'-9"	3'-0"	3'-3"	3'-9"	4'-0"	5'-3"	6,000
264	16"	26"	*	*	*	*	*	1'-0"	1'-3"	2'-3"	3,000 to 3,500
			*	1'-0"	1'-3"	1'-6"	1'-9"	2'-3"	2'-6"	3'-6"	4,500 to 5,000
			2'-0"	2'-3"	2'-6"	2'-9"	3'-0"	3'-3"	3'-9"	4'-9"	6,000
290	18"	26"	*	*	*	*	*	*	1'-0"	2'-3"	3,000 to 3,500
			*	1'-0"	1'-3"	1'-6"	1'-9"	2'-0"	2'-3"	3'-3"	4,500 to 5,000
			1'-9"	2'-0"	2'-3"	2'-6"	2'-9"	3'-0"	3'-6"	4'-6"	6,000
317	20"	26"	*	*	*	*	*	*	1'-0"	2'-0"	3,000 to 3,500
			*	*	1'-0"	1'-3"	1'-6"	1'-9"	2'-0"	3'-0"	4,500 to 5,000
			1'-9"	2'-0"	2'-3"	2'-6"	2'-9"	3'-0"	3'-3"	4'-3"	6,000

NOTES:

- Design load calculations for the above bracket spacings are based on a dead load of 160 pcf for the concrete and formwork, a live load of 50 psf for workers, moveable equipment and materials, plus a 75 plf vertical load applied at the outside edge of the deck overhang. A 50 psf live load is also applied to the walkway area.
- Always check overhang form lumber to make certain it will span the selected bracket spacing.
- For a nominal charge, Dayton Superior Technical Assistance will calculate a recommended bracket spacing when conditions on your specific project vary from those shown.

C49S Bridge Overhang Bracket and Exterior Hanger Spacing

Over 3'-0" to 4'-0" Overhangs on Steel Beams or Girders – 14" Bracket Depth



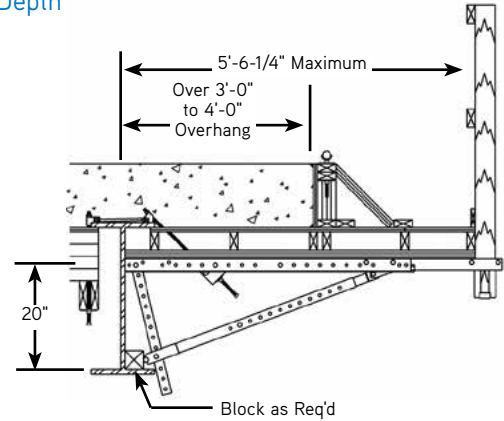
Design Load PSF	Maximum Overhang Thickness	Bracket "D" Dimension	Screed Load Per Bracket = S ₁								Hanger SWL Range (lbs.)
			2,500 lbs.	2,250 lbs.	2,000 lbs.	1,750 lbs.	1,500 lbs.	1,250 lbs.	1,000 lbs.	0 lbs.	
130	6"	14"	*	*	*	*	*	*	*	2'-9"	3,000 to 3,500
			*	*	*	*	*	*	1'-6"	4'-0"	4,500 to 5,000
			*	*	*	*	*	1'-6"	2'-3"	4'-9"	6,000
157	8"	14"	*	*	*	*	*	*	*	2'-3"	3,000 to 3,500
			*	*	*	*	*	*	1'-3"	3'-6"	4,500 to 5,000
			*	*	*	*	*	1'-3"	2'-0"	4'-3"	6,000
184	10"	14"	*	*	*	*	*	*	*	2'-0"	3,000 to 3,500
			*	*	*	*	*	*	1'-3"	3'-3"	4,500 to 5,000
			*	*	*	*	*	1'-3"	1'-9"	3'-9"	6,000
210	12"	14"	*	*	*	*	*	*	*	1'-9"	3,000 to 3,500
			*	*	*	*	*	*	1'-0"	2'-9"	4,500 to 5,000
			*	*	*	*	*	1'-0"	1'-6"	3'-6"	6,000
237	14"	14"	*	*	*	*	*	*	*	1'-6"	3,000 to 3,500
			*	*	*	*	*	*	1'-0"	2'-6"	4,500 to 5,000
			*	*	*	*	*	1'-0"	1'-6"	3'-3"	6,000
264	16"	14"	*	*	*	*	*	*	*	1'-6"	3,000 to 3,500
			*	*	*	*	*	*	*	2'-3"	4,500 to 5,000
			*	*	*	*	*	*	1'-3"	3'-0"	6,000
290	18"	14"	*	*	*	*	*	*	*	1'-3"	3,000 to 3,500
			*	*	*	*	*	*	*	1'-9"	4,500 to 5,000
			*	*	*	*	*	*	1'-3"	2'-9"	6,000
317	20"	14"	*	*	*	*	*	*	*	1'-3"	3,000 to 3,500
			*	*	*	*	*	*	*	1'-9"	4,500 to 5,000
			*	*	*	*	*	*	1'-0"	2'-6"	6,000

NOTES:

- Design load calculations for the above bracket spacings are based on a dead load of 160 pcf for the concrete and formwork, a live load of 50 psf for workers, moveable equipment and materials, plus a 75 plf vertical load applied at the outside edge of the deck overhang. A 50 psf live load is also applied to the walkway area.
- Always check overhang form lumber to make certain it will span the selected bracket spacing.
- For a nominal charge, Dayton Superior Technical Assistance will calculate a recommended bracket spacing when conditions on your specific project vary from those shown.

C49S Bridge Overhang Bracket and Exterior Hanger Spacing

Over 3'-0" to 4'-0" Overhangs on Steel Beams or Girders — 20" Bracket Depth



Bridge Overhang Brackets

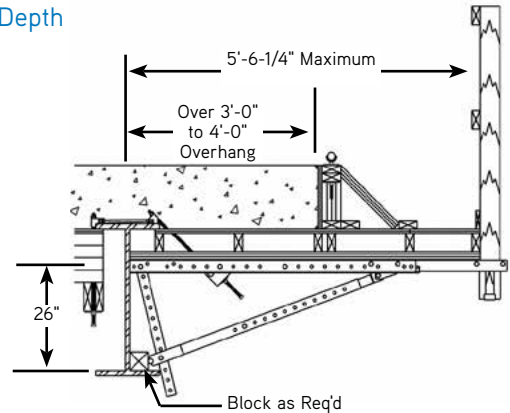
Design Load PSF	Maximum Overhang Thickness	Bracket "D" Dimension	Screed Load Per Bracket = S ₁								Hanger SWL Range (lbs.)
			2,500 lbs.	2,250 lbs.	2,000 lbs.	1,750 lbs.	1,500 lbs.	1,250 lbs.	1,000 lbs.	0 lbs.	
130	6"	20"	*	*	*	*	*	*	*	3'-3"	3,000 to 3,500
			*	*	*	*	1'-3"	1'-9"	2'-6"	5'-0"	4,500 to 5,000
			*	*	*	1'-3"	1'-9"	2'-6"	3'-3"	5'-9"	6,000
157	8"	20"	*	*	*	*	*	*	*	3'-0"	3,000 to 3,500
			*	*	*	*	1'-0"	1'-9"	2'-3"	4'-6"	4,500 to 5,000
			*	*	*	1'-0"	1'-9"	2'-3"	2'-9"	5'-3"	6,000
184	10"	20"	*	*	*	*	*	*	*	2'-6"	3,000 to 3,500
			*	*	*	*	1'-0"	1'-6"	2'-0"	4'-0"	4,500 to 5,000
			*	*	*	1'-0"	1'-6"	2'-0"	2'-6"	4'-9"	6,000
210	12"	20"	*	*	*	*	*	*	*	2'-3"	3,000 to 3,500
			*	*	*	*	*	1'-3"	1'-9"	3'-6"	4,500 to 5,000
			*	*	*	*	1'-3"	1'-9"	2'-3"	4'-3"	6,000
237	14"	20"	*	*	*	*	*	*	*	2'-0"	3,000 to 3,500
			*	*	*	*	*	1'-0"	1'-6"	3'-0"	4,500 to 5,000
			*	*	*	*	1'-3"	1'-6"	2'-0"	3'-9"	6,000
264	16"	20"	*	*	*	*	*	*	*	1'-9"	3,000 to 3,500
			*	*	*	*	*	1'-0"	1'-3"	2'-9"	4,500 to 5,000
			*	*	*	*	1'-0"	1'-6"	2'-0"	3'-6"	6,000
290	18"	20"	*	*	*	*	*	*	*	1'-9"	3,000 to 3,500
			*	*	*	*	*	*	1'-3"	2'-6"	4,500 to 5,000
			*	*	*	*	1'-0"	1'-6"	1'-9"	3'-3"	6,000
317	20"	20"	*	*	*	*	*	*	*	1'-6"	3,000 to 3,500
			*	*	*	*	*	*	1'-0"	2'-3"	4,500 to 5,000
			*	*	*	*	1'-0"	1'-3"	1'-9"	3'-0"	6,000

NOTES:

- Design load calculations for the above bracket spacings are based on a dead load of 160 pcf for the concrete and formwork, a live load of 50 psf for workers, moveable equipment and materials, plus a 75 plf vertical load applied at the outside edge of the deck overhang. A 50 psf live load is also applied to the walkway area.
- Always check overhang form lumber to make certain it will span the selected bracket spacing.
- For a nominal charge, Dayton Superior Technical Assistance will calculate a recommended bracket spacing when conditions on your specific project vary from those shown.

C49S Bridge Overhang Bracket and Exterior Hanger Spacing

Over 3'-0" to 4'-0" Overhangs on Steel Beams or Girders – 26" Bracket Depth



Design Load PSF	Maximum Overhang Thickness	Bracket "D" Dimension	Screed Load Per Bracket = S ₁								Hanger SWL Range (lbs.)
			2,500 lbs.	2,250 lbs.	2,000 lbs.	1,750 lbs.	1,500 lbs.	1,250 lbs.	1,000 lbs.	0 lbs.	
130	6"	26"	*	*	*	*	*	*	1'-6"	3'-6"	3,000 to 3,500
			*	*	1'-0"	1'-9"	2'-3"	3'-0"	3'-6"	5'-3"	4,500 to 5,000
			*	*	1'-6"	2'-0"	2'-9"	3'-6"	4'-0"	7'-0"	6,000
157	8"	26"	*	*	*	*	*	*	1'-3"	3'-0"	3,000 to 3,500
			*	*	*	1'-6"	2'-0"	2'-6"	3'-0"	4'-6"	4,500 to 5,000
			*	*	1'-3"	1'-9"	2'-6"	3'-0"	3'-9"	6'-0"	6,000
184	10"	26"	*	*	*	*	*	*	1'-0"	2'-6"	3,000 to 3,500
			*	*	*	1'-3"	1'-9"	2'-3"	2'-9"	4'-0"	4,500 to 5,000
			*	*	1'-0"	1'-9"	2'-3"	2'-9"	3'-3"	5'-3"	6,000
210	12"	26"	*	*	*	*	*	*	1'-0"	2'-3"	3,000 to 3,500
			*	*	*	1'-0"	1'-6"	2'-0"	2'-3"	3'-6"	4,500 to 5,000
			*	*	1'-0"	1'-6"	2'-0"	2'-6"	3'-0"	4'-9"	6,000
237	14"	26"	*	*	*	*	*	*	*	2'-0"	3,000 to 3,500
			*	*	*	1'-0"	1'-3"	1'-9"	2'-0"	3'-3"	4,500 to 5,000
			*	*	1'-0"	1'-3"	1'-9"	2'-3"	2'-9"	4'-3"	6,000
264	16"	26"	*	*	*	*	*	*	*	1'-9"	3,000 to 3,500
			*	*	*	*	1'-3"	1'-6"	2'-0"	2'-9"	4,500 to 5,000
			*	*	*	1'-3"	1'-9"	2'-0"	2'-6"	3'-9"	6,000
290	18"	26"	*	*	*	*	*	*	*	1'-9"	3,000 to 3,500
			*	*	*	*	1'-0"	1'-6"	1'-9"	2'-6"	4,500 to 5,000
			*	*	*	1'-3"	1'-6"	2'-0"	2'-3"	3'-6"	6,000
317	20"	26"	*	*	*	*	*	*	*	1'-6"	3,000 to 3,500
			*	*	*	*	1'-0"	1'-3"	1'-6"	2'-6"	4,500 to 5,000
			*	*	*	1'-0"	1'-6"	1'-9"	2'-0"	3'-3"	6,000

NOTES:

- Design load calculations for the above bracket spacings are based on a dead load of 160 pcf for the concrete and formwork, a live load of 50 psf for workers, moveable equipment and materials, plus a 75 plf vertical load applied at the outside edge of the deck overhang. A 50 psf live load is also applied to the walkway area.
- Always check overhang form lumber to make certain it will span the selected bracket spacing.
- For a nominal charge, Dayton Superior Technical Assistance will calculate a recommended bracket spacing when conditions on your specific project vary from those shown.

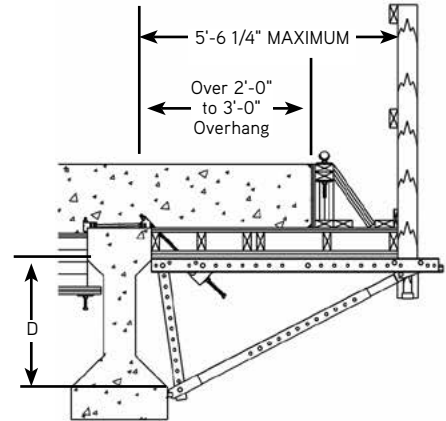
C49S Bridge Overhang Bracket and Exterior Hanger Spacing

Over 2'-0" to 3'-0" Overhangs on Precast/Prestressed Concrete Girders

C49S Bracket With Hanger and Concrete Beam Concrete Box Beam

Overhang 2'-0" to 3'-0" Overhang – Forming 3/4" ply., 3-1/2" joist and 2x nailer on flat

Design Load PSF	Maximum Overhang Thickness	Bracket "D" Dimension	Screed Load Per Bracket = S1							Hanger SWL Range (lbs.)	
			2,500 lbs.	2,250 lbs.	2,000 lbs.	1,750 lbs.	1,500 lbs.	1,250 lbs.	1,000 lbs.		0 lbs.
130	6"	14"	*	*	*	*	*	*	*	3'-5"	3,000 to 3,500
			*	*	*	*	*	*	*	5'-2"	4,500 to 5,000
			*	*	*	*	*	*	*	5'-3"	6,000
130	6"	20"	*	*	*	*	*	*	1'-4"	4'-0"	3,000 to 3,500
			*	*	*	*	*	2'-0"	3'-2"	6'-0"	4,500 to 5,000
			*	*	*	*	*	2'-0"	3'-2"	7'-11"	6,000
130	6"	26"	*	*	*	1'-9"	3'-0"	3'-8"	4'-1"	6'-0"	3,000 to 3,500
			*	*	*	1'-9"	3'-0"	4'-2"	5'-4"	8'-0"	4,500 to 5,000
			*	*	*	*	*	*	*	3'-0"	6,000
157	8"	14"	*	*	*	*	*	*	*	4'-6"	3,000 to 3,500
			*	*	*	*	*	*	*	4'-8"	4,500 to 5,000
			*	*	*	*	*	*	*	1'-2"	3'-6"
157	8"	20"	*	*	*	*	*	1'-9"	2'-10"	5'-3"	3,000 to 3,500
			*	*	*	*	*	1'-9"	2'-10"	7'-0"	4,500 to 5,000
			*	*	*	*	*	1'-4"	1'-10"	3'-6"	6,000
157	8"	26"	*	*	*	1'-7"	2'-8"	3'-2"	3'-7"	5'-3"	3,000 to 3,500
			*	*	*	1'-7"	2'-8"	3'-9"	4'-9"	7'-0"	4,500 to 5,000
			*	*	*	*	*	*	*	2'-8"	6,000
183	10"	14"	*	*	*	*	*	*	*	4'-0"	3,000 to 3,500
			*	*	*	*	*	*	*	4'-2"	4,500 to 5,000
			*	*	*	*	*	*	*	1'-0"	3'-1"
183	10"	20"	*	*	*	*	*	1'-7"	2'-7"	4'-7"	3,000 to 3,500
			*	*	*	*	*	1'-7"	2'-7"	6'-2"	4,500 to 5,000
			*	*	*	*	*	1'-2"	1'-7"	3'-1"	6,000
183	10"	26"	*	*	*	1'-5"	2'-5"	2'-9"	3'-2"	4'-7"	3,000 to 3,500
			*	*	*	1'-5"	2'-5"	3'-4"	4'-4"	6'-2"	4,500 to 5,000
			*	*	*	*	*	*	*	2'-4"	6,000
210	12"	14"	*	*	*	*	*	*	*	3'-6"	3,000 to 3,500
			*	*	*	*	*	*	*	3'-9"	4,500 to 5,000
			*	*	*	*	*	*	*	2'-9"	6,000
210	12"	20"	*	*	*	*	*	1'-5"	2'-4"	4'-1"	3,000 to 3,500
			*	*	*	*	*	1'-5"	2'-4"	5'-6"	4,500 to 5,000
			*	*	*	*	*	1'-0"	1'-5"	2'-9"	6,000
210	12"	26"	*	*	*	1'-4"	2'-2"	2'-6"	2'-10"	4'-1"	3,000 to 3,500
			*	*	*	1'-4"	2'-2"	3'-0"	3'-10"	5'-6"	4,500 to 5,000
			*	*	*	*	*	*	*	2'-1"	6,000
237	14"	14"	*	*	*	*	*	*	*	3'-2"	3,000 to 3,500
			*	*	*	*	*	*	*	3'-5"	4,500 to 5,000
			*	*	*	*	*	*	*	2'-6"	6,000
237	14"	20"	*	*	*	*	*	1'-4"	2'-1"	3'-9"	3,000 to 3,500
			*	*	*	*	*	1'-4"	2'-1"	5'-0"	4,500 to 5,000
			*	*	*	*	*	1'-3"	2'-6"	3'-9"	6,000
237	14"	26"	*	*	*	1'-2"	1'-11"	2'-3"	2'-6"	3'-9"	3,000 to 3,500
			*	*	*	1'-2"	1'-11"	2'-9"	3'-6"	5'-0"	4,500 to 5,000
			*	*	*	*	*	*	*	1'-11"	6,000
263	16"	14"	*	*	*	*	*	*	*	2'-10"	3,000 to 3,500
			*	*	*	*	*	*	*	3'-1"	4,500 to 5,000
			*	*	*	*	*	*	*	2'-3"	6,000
263	16"	20"	*	*	*	*	*	1'-2"	1'-11"	3'-5"	3,000 to 3,500
			*	*	*	*	*	1'-2"	1'-11"	4'-7"	4,500 to 5,000
			*	*	*	*	*	1'-2"	2'-3"	3'-5"	6,000
263	16"	24"	*	*	*	1'-1"	1'-9"	2'-1"	2'-4"	3'-5"	3,000 to 3,500
			*	*	*	1'-1"	1'-9"	2'-6"	3'-2"	4'-7"	4,500 to 5,000
			*	*	*	*	*	*	*	1'-8"	6,000
290	18"	14"	*	*	*	*	*	*	*	2'-7"	3,000 to 3,500
			*	*	*	*	*	*	*	2'-9"	4,500 to 5,000
			*	*	*	*	*	*	*	2'-1"	6,000
290	18"	20"	*	*	*	*	*	1'-1"	1'-8"	3'-1"	3,000 to 3,500
			*	*	*	*	*	1'-1"	1'-9"	4'-2"	4,500 to 5,000
			*	*	*	*	*	1'-1"	2'-1"	3'-5"	6,000
290	18"	26"	*	*	*	1'-7"	1'-11"	2'-2"	3'-1"	4'-5"	3,000 to 3,500
			*	*	*	1'-7"	2'-3"	2'-11"	4'-2"	6,000	4,500 to 5,000
			*	*	*	*	*	*	*	1'-6"	6,000
317	20"	14"	*	*	*	*	*	*	*	2'-4"	3,000 to 3,500
			*	*	*	*	*	*	*	2'-6"	4,500 to 5,000
			*	*	*	*	*	*	*	1'-11"	6,000
317	20"	20"	*	*	*	*	*	1'-0"	1'-6"	2'-10"	3,000 to 3,500
			*	*	*	*	*	1'-0"	1'-7"	3'-10"	4,500 to 5,000
			*	*	*	*	*	*	*	1'-11"	6,000
317	20"	26"	*	*	*	*	1'-5"	1'-9"	2'-0"	2'-11"	3,000 to 3,500
			*	*	*	*	1'-5"	2'-0"	2'-7"	3'-10"	4,500 to 5,000
			*	*	*	*	*	*	*	6,000	



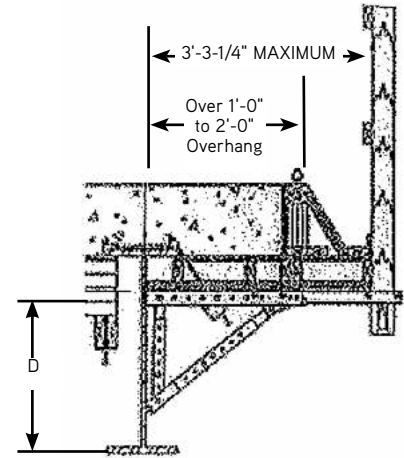
Bridge Overhang Brackets

NOTES:

- Design load calculations for the above bracket spacings are based on a dead load of 160 pcf for the concrete and formwork, a live load of 50 psf for workers, moveable equipment and materials, plus a 75 plf vertical load applied at the outside edge of the deck overhang. A 50 psf live load is also applied to the walkway area.
- Always check overhang form lumber to make certain it will span the selected bracket spacing.
- For a nominal charge, Dayton Superior Technical Assistance will calculate a recommended bracket spacing when conditions on your specific project vary from those shown.

C49JR Bridge Overhang Bracket and Exterior Hanger Spacing

Over 1'-0" To 2'-0" Overhangs on Steel Beams or Girders



Bridge Overhang Brackets

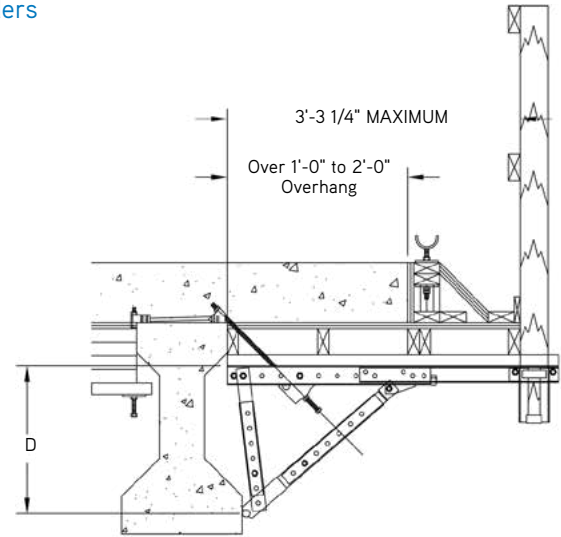
Design Load PSF	Maximum Overhang Thickness	Bracket "D" Dimension	Screed Load Per Bracket = S ₁								Hanger SWL Range (lbs.)
			2,500 lbs.	2,250 lbs.	2,000 lbs.	1,750 lbs.	1,500 lbs.	1,250 lbs.	1,000 lbs.	0 lbs.	
130	6"	16" to 28"	*	*	*	1'-0"	1'-9"	2'-6"	3'-3"	6'-0"	3,000 to 3,500
			1'-9"	2'-9"	3'-6"	4'-3"	4'-9"	5'-6"	6'-0"	8'-0"	4,500 to 5,000
			5'-0"	5'-9"	6'-6"	7'-3"	8'-0"	8'-0"	8'-0"	8'-0"	6,000
157	8"	16" to 28"	*	*	*	*	1'-6"	2'-3"	2'-9"	5'-6"	3,000 to 3,500
			1'-9"	2'-3"	3'-0"	3'-9"	4'-3"	5'-0"	5'-9"	8'-0"	4,500 to 5,000
			4'-6"	5'-0"	5'-9"	6'-6"	7'-3"	7'-6"	8'-0"	8'-0"	6,000
184	10"	16" to 28"	*	*	*	*	1'-3"	2'-0"	2'-6"	5'-0"	3,000 to 3,500
			1'-6"	2'-0"	2'-9"	3'-3"	4'-0"	4'-6"	5'-0"	7'-6"	4,500 to 5,000
			4'-0"	4'-9"	5'-3"	5'-9"	6'-6"	7'-0"	7'-9"	8'-0"	6,000
210	12"	16" to 28"	*	*	*	*	1'-3"	1'-9"	2'-3"	4'-6"	3,000 to 3,500
			1'-3"	2'-0"	2'-6"	3'-0"	3'-6"	4'-0"	4'-9"	6'-9"	4,500 to 5,000
			3'-6"	4'-3"	4'-9"	5'-3"	6'-0"	6'-6"	7'-0"	8'-0"	6,000
237	14"	16" to 28"	*	*	*	*	1'-0"	1'-6"	2'-0"	4'-3"	3,000 to 3,500
			1'-3"	1'-9"	2'-3"	2'-9"	3'-3"	3'-9"	4'-3"	6'-9"	4,500 to 5,000
			3'-3"	3'-9"	4'-3"	4'-9"	5'-3"	5'-9"	6'-3"	8'-0"	6,000
264	16"	16" to 28"	*	*	*	*	1'-0"	1'-6"	2'-0"	3'-9"	3,000 to 3,500
			1'-3"	1'-6"	2'-0"	2'-6"	3'-0"	3'-6"	4'-0"	5'-9"	4,500 to 5,000
			3'-0"	3'-6"	4'-0"	4'-6"	5'-0"	5'-3"	5'-9"	7'-9"	6,000
290	18"	16" to 28"	*	*	*	*	1'-0"	1'-3"	1'-9"	3'-6"	3,000 to 3,500
			1'-0"	1'-6"	2'-0"	2'-3"	2'-9"	3'-3"	3'-6"	5'-3"	4,500 to 5,000
			2'-9"	3'-3"	3'-9"	4'-3"	4'-6"	5'-0"	5'-6"	7'-3"	6,000
317	20"	16" to 28"	*	*	*	*	*	1'-3"	1'-9"	3'-3"	3,000 to 3,500
			1'-0"	1'-3"	1'-9"	2'-3"	2'-6"	3'-0"	3'-3"	5'-0"	4,500 to 5,000
			2'-9"	3'-0"	3'-6"	3'-9"	4'-3"	4'-9"	5'-0"	6'-9"	6,000

NOTES:

- Design load calculations for the above bracket spacings are based on a dead load of 160 pcf for the concrete and formwork, a live load of 50 psf for workers, moveable equipment and materials, plus a 75 plf vertical load applied at the outside edge of the deck overhang. A 50 psf live load is also applied to the walkway area.
- Always check overhang form lumber to make certain it will span the selected bracket spacing.
- For a nominal charge, Dayton Superior Technical Assistance will calculate a recommended bracket spacing when conditions on your specific project vary from those shown.

C49JR Bridge Overhang Bracket and Exterior Hanger Spacing

Over 1'-0" to 2'-0" Overhangs on Precast/Prestressed Concrete Girders



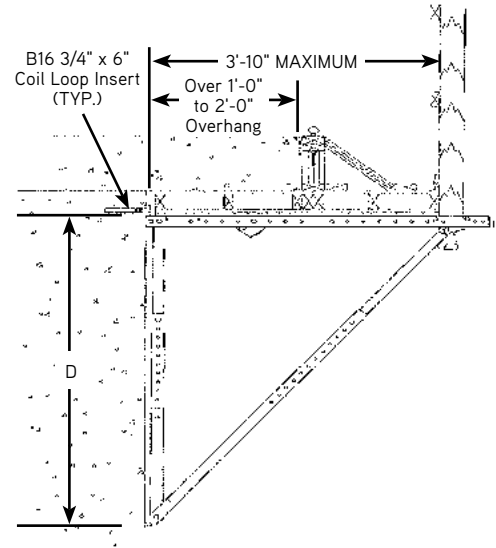
Design Load PSF	Maximum Overhang Thickness	Bracket "D" Dimension	Screed Load Per Bracket = S_i								Hanger SWL Range (lbs.)
			2,500 lbs.	2,250 lbs.	2,000 lbs.	1,750 lbs.	1,500 lbs.	1,250 lbs.	1,000 lbs.	0 lbs.	
130	6"	16" to 28"	*	*	*	*	1'-0"	2'-0"	2'-9"	5'-3"	3,000 to 3,500
			*	1'-6"	2'-6"	3'-6"	4'-0"	4'-9"	5'-3"	7'-9"	4,500 to 5,000
			*	1'-6"	2'-6"	3'-6"	4'-9"	6'-0"	7'-0"	8'-0"	6,000
157	8"	16" to 28"	*	*	*	*	*	1'-9"	2'-3"	4'-6"	3,000 to 3,500
			*	1'-3"	2'-3"	3'-0"	3'-6"	4'-3"	4'-9"	7'-0"	4,500 to 5,000
			*	1'-6"	2'-3"	3'-3"	4'-3"	5'-6"	6'-6"	8'-0"	6,000
184	10"	16" to 28"	*	*	*	*	*	1'-6"	2'-0"	4'-0"	3,000 to 3,500
			*	1'-3"	1'-9"	2'-6"	3'-3"	3'-9"	4'-3"	6'-3"	4,500 to 5,000
			*	1'-3"	2'-3"	3'-0"	4'-0"	5'-0"	6'-0"	8'-0"	6,000
210	12"	16" to 28"	*	*	*	*	*	1'-3"	2'-0"	3'-9"	3,000 to 3,500
			*	1'-0"	1'-9"	2'-3"	3'-0"	3'-3"	3'-9"	5'-6"	4,500 to 5,000
			*	1'-3"	2'-0"	2'-9"	3'-6"	4'-6"	5'-3"	7'-6"	6,000
237	14"	16" to 28"	*	*	*	*	*	1'-0"	1'-9"	3'-3"	3,000 to 3,500
			*	*	1'-6"	2'-0"	2'-6"	3'-0"	3'-6"	5'-0"	4,500 to 5,000
			*	1'-0"	1'-9"	2'-6"	3'-3"	4'-0"	4'-9"	6'-9"	6,000
264	16"	16" to 28"	*	*	*	*	*	1'-0"	1'-6"	3'-0"	3,000 to 3,500
			*	*	1'-3"	1'-9"	2'-3"	2'-9"	3'-3"	4'-9"	4,500 to 5,000
			*	1'-0"	1'-6"	2'-3"	3'-0"	3'-6"	4'-3"	6'-3"	6,000
290	18"	16" to 28"	*	*	*	*	*	1'-3"	2'-9"	3,000 to 3,500	
			*	*	1'-0"	1'-6"	2'-0"	2'-6"	2'-9"	4'-3"	4,500 to 5,000
			*	1'-0"	1'-6"	2'-0"	2'-9"	3'-3"	3'-9"	5'-9"	6,000
317	20"	16" to 28"	*	*	*	*	*	1'-0"	2'-6"	3,000 to 3,500	
			*	*	1'-0"	1'-3"	1'-9"	2'-0"	2'-6"	4'-0"	4,500 to 5,000
			*	*	1'-3"	1'-9"	2'-6"	3'-0"	3'-6"	5'-3"	6,000

NOTES:

- Design load calculations for the above bracket spacings are based on a dead load of 160 pcf for the concrete and formwork, a live load of 50 psf for workers, moveable equipment and materials, plus a 75 plf vertical load applied at the outside edge of the deck overhang. A 50 psf live load is also applied to the walkway area.
- Always check overhang form lumber to make certain it will span the selected bracket spacing.
- For a nominal charge, Dayton Superior Technical Assistance will calculate a recommended bracket spacing when conditions on your specific project vary from those shown.

C49 / C49D Bridge Overhang Brackets with C51 Wall Plate Assembly

Over 1'-0" To 2'-0" Overhangs on Concrete Walls and Box Beams



Bridge Overhang Brackets

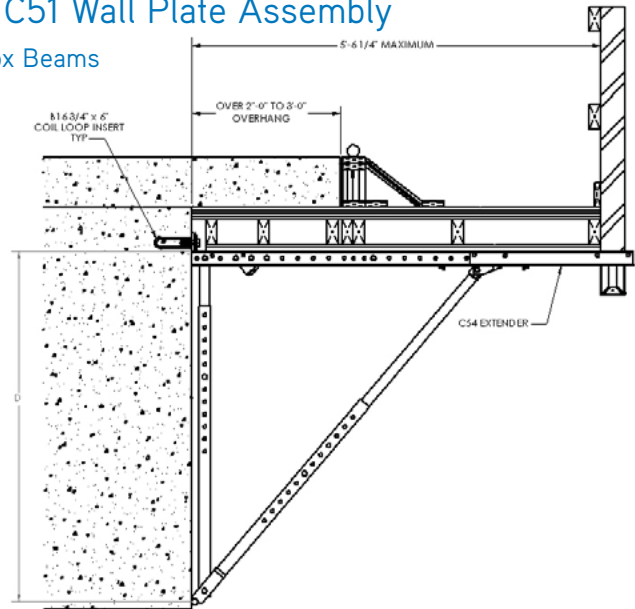
Design Load PSF	Maximum Overhang Thickness	Bracket "D" Dimension	Screed Load Per Bracket = S _i							
			2,500 lbs.	2,250 lbs.	2,000 lbs.	1,750 lbs.	1,500 lbs.	1,250 lbs.	1,000 lbs.	0 lbs.
130	6"	30" to 70"	3'-0"	4'-0"	4'-6"	5'-0"	5'-9"	6'-3"	7'-0"	8'-0"
157	8"	30" to 70"	2'-9"	3'-6"	4'-0"	4'-6"	5'-0"	5'-6"	6'-3"	8'-0"
184	10"	30" to 70"	2'-6"	3'-0"	3'-6"	4'-0"	4'-6"	5'-0"	5'-6"	7'-6"
210	12"	30" to 70"	2'-0"	2'-6"	3'-0"	3'-6"	4'-0"	4'-6"	5'-0"	6'-9"
237	14"	30" to 70"	2'-0"	2'-3"	2'-9"	3'-3"	3'-6"	4'-0"	4'-3"	6'-0"
264	16"	30" to 70"	1'-9"	2'-3"	2'-6"	2'-9"	3'-3"	3'-6"	4'-0"	5'-6"
290	18"	30" to 70"	1'-6"	2'-0"	2'-3"	2'-6"	3'-0"	3'-3"	3'-6"	5'-0"
317	20"	30" to 70"	1'-6"	1'-9"	2'-0"	2'-6"	2'-9"	3'-0"	3'-3"	4'-6"

NOTES:

- Design load calculations for the above bracket spacings are based on a dead load of 160 pcf for the concrete and formwork, a live load of 50 psf for workers, moveable equipment and materials, plus a 75 plf vertical load applied at the outside edge of the deck overhang. A 50 psf live load is also applied to the walkway area.
- Always check overhang form lumber to make certain it will span the selected bracket spacing.
- For a nominal charge, Dayton Superior Technical Assistance will calculate a recommended bracket spacing when conditions on your specific project vary from those shown.

C49 / C49D Bridge Overhang Brackets with C51 Wall Plate Assembly

Up to Over 2'-0" to 3'-0" Overhangs on Concrete Walls and Box Beams



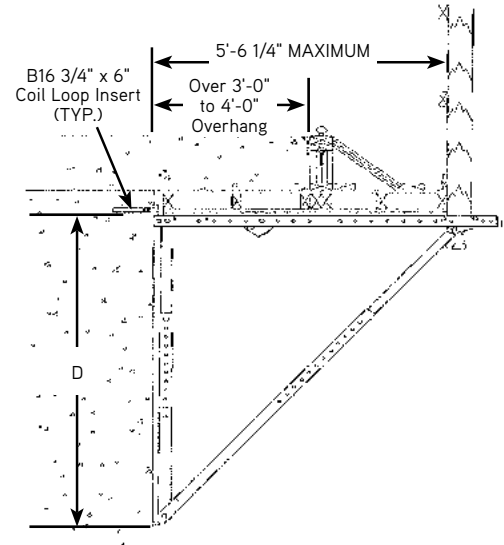
Design Load PSF	Maximum Overhang Thickness	Bracket "D" Dimension	Screed Load Per Bracket = S _i							
			2,500 lbs.	2,250 lbs.	2,000 lbs.	1,750 lbs.	1,500 lbs.	1,250 lbs.	1,000 lbs.	0 lbs.
130	6"	30"	*	*	*	*	1'-3"	2'-0"	2'-9"	5'-6"
		40"	1'-0"	1'-6"	2'-3"	2'-9"	3'-3"	4'-0"	4'-6"	6'-9"
		50" to 70"	2'-0"	2'-6"	3'-0"	3'-6"	4'-0"	4'-6"	5'-0"	6'-9"
157	8"	30"	*	*	*	*	1'-3"	2'-0"	2'-6"	5'-0"
		40"	1'-0"	1'-6"	2'-0"	2'-6"	3'-0"	3'-6"	4'-0"	5'-9"
		50" to 70"	1'-9"	2'-3"	2'-9"	3'-3"	3'-6"	4'-0"	4'-3"	5'-9"
183	10"	30"	*	*	*	*	1'-0"	1'-9"	2'-3"	4'-6"
		40"	*	1'-3"	1'-9"	2'-3"	2'-9"	3'-3"	3'-9"	5'-3"
		50" to 70"	1'-6"	2'-0"	2'-6"	2'-9"	3'-3"	3'-6"	3'-9"	5'-3"
210	12"	30"	*	*	*	*	1'-0"	1'-6"	2'-0"	4'-0"
		40"	*	1'-3"	1'-9"	2'-0"	2'-6"	3'-0"	3'-3"	4'-9"
		50" to 70"	1'-6"	2'-0"	2'-3"	2'-6"	3'-0"	3'-3"	3'-6"	4'-9"
237	14"	30"	*	*	*	*	*	1'-3"	1'-9"	3'-9"
		40"	*	1'-0"	1'-6"	2'-0"	2'-3"	2'-9"	3'-0"	4'-3"
		50" to 70"	1'-3"	1'-9"	2'-0"	2'-3"	2'-6"	3'-0"	3'-3"	4'-3"
263	16"	30"	*	*	*	*	*	1'-3"	1'-6"	3'-3"
		40"	*	1'-0"	1'-6"	1'-9"	2'-3"	2'-6"	2'-9"	4'-0"
		50" to 70"	1'-3"	1'-6"	2'-0"	2'-3"	2'-6"	2'-9"	3'-0"	4'-0"
290	18"	30"	*	*	*	*	*	1'-0"	1'-3"	2'-9"
		40"	*	1'-0"	1'-3"	1'-9"	2'-0"	2'-3"	2'-6"	3'-6"
		50" to 70"	1'-3"	1'-6"	1'-9"	2'-0"	2'-3"	2'-6"	2'-9"	3'-6"
317	20"	30"	*	*	*	*	*	1'-0"	1'-3"	2'-6"
		40"	*	*	1'-3"	1'-6"	1'-9"	2'-0"	2'-3"	3'-3"
		50" to 70"	1'-0"	1'-3"	1'-6"	1'-9"	2'-0"	2'-3"	2'-6"	3'-3"

NOTES:

- Design load calculations for the above bracket spacings are based on a dead load of 160 pcf for the concrete and formwork, a live load of 50 psf for workers, moveable equipment and materials, plus a 75 plf vertical load applied at the outside edge of the deck overhang. A 50 psf live load is also applied to the walkway area.
- Always check overhang form lumber to make certain it will span the selected bracket spacing.
- For a nominal charge, Dayton Superior Technical Assistance will calculate a recommended bracket spacing when conditions on your specific project vary from those shown.

C49 / C49D Bridge Overhang Brackets with C51 Wall Plate Assembly

Over 3'-0" to 4'-0" Overhangs On Concrete Walls and Box Beams



Bridge Overhang Brackets

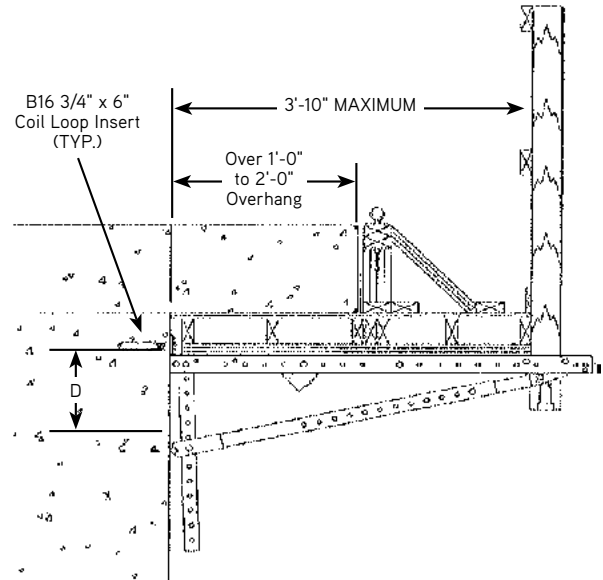
Design Load PSF	Maximum Overhang Thickness	Bracket "D" Dimension	Screed Load Per Bracket = S ₁							
			2,500 lbs.	2,250 lbs.	2,000 lbs.	1,750 lbs.	1,500 lbs.	1,250 lbs.	1,000 lbs.	0 lbs.
130	6"	30"	*	*	*	*	*	*	1'-0"	4'-0"
		40"	*	*	*	1'-3"	1'-9"	2'-6"	3'-0"	5'-6"
		50" to 70"	*	*	1'-3"	2'-0"	2'-6"	3'-3"	3'-9"	5'-9"
157	8"	30"	*	*	*	*	*	*	*	3'-6"
		40"	*	*	*	1'-0"	1'-6"	2'-0"	2'-9"	4'-9"
		50" to 70"	*	*	1'-3"	1'-9"	2'-3"	2'-9"	3'-3"	5'-0"
183	10"	30"	*	*	*	*	*	*	*	3'-3"
		40"	*	*	*	*	1'-3"	1'-9"	2'-3"	4'-3"
		50" to 70"	*	*	1'-0"	1'-6"	2'-0"	2'-6"	3'-0"	4'-6"
210	12"	30"	*	*	*	*	*	*	*	2'-9"
		40"	*	*	*	*	1'-3"	1'-9"	2'-0"	3'-9"
		50" to 70"	*	*	1'-0"	1'-3"	1'-9"	2'-3"	2'-9"	4'-0"
237	14"	30"	*	*	*	*	*	*	*	2'-6"
		40"	*	*	*	*	1'-0"	1'-6"	2'-0"	3'-6"
		50" to 70"	*	*	*	1'-3"	1'-6"	2'-0"	2'-6"	3'-6"
263	16"	30"	*	*	*	*	*	*	*	2'-3"
		40"	*	*	*	*	1'-0"	1'-3"	1'-9"	3'-0"
		50" to 70"	*	*	*	1'-0"	1'-6"	1'-9"	2'-3"	3'-3"
290	18"	30"	*	*	*	*	*	*	*	2'-0"
		40"	*	*	*	*	*	1'-3"	1'-6"	2'-9"
		50" to 70"	*	*	*	1'-0"	1'-3"	1'-9"	2'-0"	3'-0"
317	20"	30"	*	*	*	*	*	*	*	1'-9"
		40"	*	*	*	*	*	1'-0"	1'-6"	2'-6"
		50" to 70"	*	*	*	1'-0"	1'-3"	1'-6"	1'-9"	2'-9"

NOTES:

- Design load calculations for the above bracket spacings are based on a dead load of 160 pcf for the concrete and formwork, a live load of 50 psf for workers, moveable equipment and materials, plus a 75 plf vertical load applied at the outside edge of the deck overhang. A 50 psf live load is also applied to the walkway area.
- Always check overhang form lumber to make certain it will span the selected bracket spacing.
- For a nominal charge, Dayton Superior Technical Assistance will calculate a recommended bracket spacing when conditions on your specific project vary from those shown.

C49S Bridge Overhang Brackets with C51 Wall Plate Assembly

Over 1'-0" to 2'-0" Overhangs on Concrete Walls and Box Beams



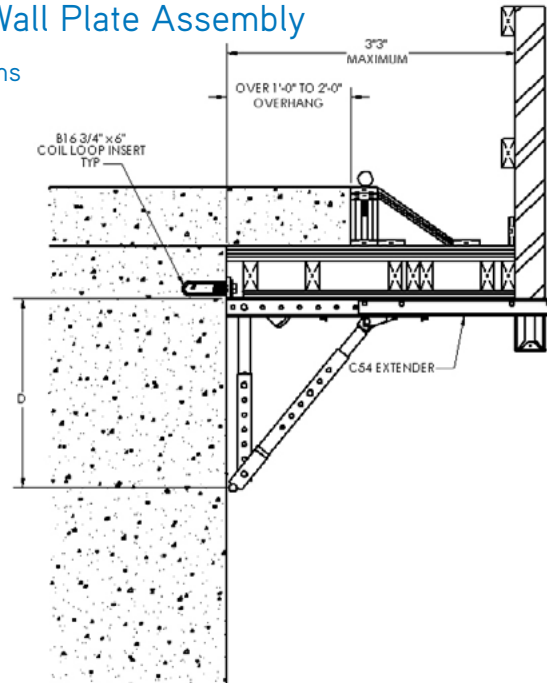
Design Load PSF	Maximum Overhang Thickness	Bracket "D" Dimension	Screed Load Per Bracket = S ₁							
			2,500 lbs.	2,250 lbs.	2,000 lbs.	1,750 lbs.	1,500 lbs.	1,250 lbs.	1,000 lbs.	0 lbs.
130	6"	14"	*	*	*	*	*	*	*	3'-6"
		20"	*	*	*	*	1'-3"	2'-0"	3'-0"	6'-9"
		26"	1'-9"	2'-9"	3'-6"	4'-3"	5'-0"	5'-6"	6'-3"	8'-0"
157	8"	14"	*	*	*	*	*	*	*	3'-3"
		20"	*	*	*	*	1'-0"	1'-9"	2'-9"	6'-0"
		26"	1'-6"	2'-6"	3'-3"	3'-9"	4'-3"	5'-0"	5'-6"	8'-0"
184	10"	14"	*	*	*	*	*	*	*	2'-9"
		20"	*	*	*	*	1'-0"	1'-6"	2'-3"	5'-3"
		26"	1'-3"	2'-0"	2'-9"	3'-6"	4'-0"	4'-6"	5'-0"	7'-0"
210	12"	14"	*	*	*	*	*	*	*	2'-6"
		20"	*	*	*	*	*	1'-6"	2'-0"	4'-6"
		26"	1'-0"	1'-9"	2'-3"	3'-0"	3'-6"	4'-0"	4'-6"	6'-3"
237	14"	14"	*	*	*	*	*	*	*	2'-3"
		20"	*	*	*	*	*	1'-3"	1'-9"	4'-0"
		26"	1'-0"	1'-6"	2'-0"	2'-6"	3'-0"	3'-6"	4'-0"	5'-9"
264	16"	14"	*	*	*	*	*	*	*	2'-0"
		20"	*	*	*	*	*	1'-0"	1'-6"	3'-6"
		26"	*	1'-3"	1'-9"	2'-0"	2'-6"	3'-0"	3'-6"	5'-3"
290	18"	14"	*	*	*	*	*	*	*	1'-9"
		20"	*	*	*	*	*	*	1'-3"	3'-0"
		26"	*	*	1'-3"	1'-9"	2'-3"	2'-6"	3'-0"	4'-6"
317	20"	14"	*	*	*	*	*	*	*	1'-6"
		20"	*	*	*	*	*	*	1'-0"	2'-6"
		26"	*	*	1'-3"	1'-6"	1'-9"	2'-3"	2'-6"	3'-9"

NOTES:

- Design load calculations for the above bracket spacings are based on a dead load of 160 pcf for the concrete and formwork, a live load of 50 psf for workers, moveable equipment and materials, plus a 75 plf vertical load applied at the outside edge of the deck overhang. A 50 psf live load is also applied to the walkway area.
- Always check overhang form lumber to make certain it will span the selected bracket spacing.
- For a nominal charge, Dayton Superior Technical Assistance will calculate a recommended bracket spacing when conditions on your specific project vary from those shown.

C49JR Bridge Overhang Brackets with C51 Wall Plate Assembly

Over 1'-0" to 2'-0" Overhangs on Concrete Walls and Box Beams



Bridge Overhang Brackets

Design Load PSF	Maximum Overhang Thickness	Bracket "D" Dimension	Screed Load Per Bracket = S _i							
			2,500 lbs.	2,250 lbs.	2,000 lbs.	1,750 lbs.	1,500 lbs.	1,250 lbs.	1,000 lbs.	0 lbs.
130	6"	16"	*	*	*	*	*	*	1'-0"	5'-0"
		22"	*	*	*	1'-3"	2'-3"	3'-0"	4'-0"	7'-6"
		28"	*	*	1'-3"	2'-3"	3'-0"	4'-0"	4'-9"	8'-0"
157	8"	16"	*	*	*	*	*	*	1'-0"	4'-6"
		22"	*	*	*	1'-3"	2'-0"	2'-9"	3'-6"	6'-9"
		28"	*	*	1'-3"	2'-0"	2'-9"	3'-6"	4'-6"	7'-6"
184	10"	16"	*	*	*	*	*	*	*	4'-0"
		22"	*	*	*	1'-0"	1'-9"	2'-6"	3'-3"	6'-0"
		28"	*	*	1'-0"	1'-9"	2'-6"	3'-3"	4'-0"	6'-9"
210	12"	16"	*	*	*	*	*	*	*	3'-6"
		22"	*	*	*	1'-0"	1'-6"	2'-9"	3'-0"	5'-6"
		28"	*	*	1'-0"	1'-9"	2'-3"	3'-0"	3'-6"	6'-3"
237	14"	16"	*	*	*	*	*	*	*	3'-0"
		22"	*	*	*	*	1'-6"	2'-0"	2'-9"	5'-0"
		28"	*	*	1'-0"	1'-6"	2'-0"	2'-9"	3'-3"	5'-9"
264	16"	16"	*	*	*	*	*	*	*	2'-6"
		22"	*	*	*	*	1'-3"	1'-9"	2'-3"	4'-3"
		28"	*	*	*	1'-3"	1'-9"	2'-6"	3'-0"	5'-0"
290	18"	16"	*	*	*	*	*	*	*	2'-3"
		22"	*	*	*	*	1'-0"	1'-6"	2'-0"	3'-6"
		28"	*	*	*	1'-3"	1'-9"	2'-3"	2'-9"	4'-9"
317	20"	16"	*	*	*	*	*	*	*	2'-0"
		22"	*	*	*	*	*	1'-3"	1'-6"	3'-0"
		28"	*	*	*	1'-0"	1'-6"	2'-0"	2'-6"	4'-3"

NOTES:

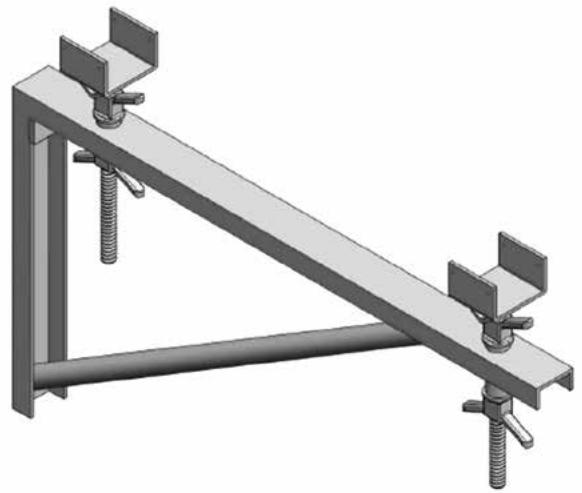
- Design load calculations for the above bracket spacings are based on a dead load of 160 pcf for the concrete and formwork, a live load of 50 psf for workers, moveable equipment and materials, plus a 75 plf vertical load applied at the outside edge of the deck overhang. A 50 psf live load is also applied to the walkway area.
- Always check overhang form lumber to make certain it will span the selected bracket spacing.
- For a nominal charge, Dayton Superior Technical Assistance will calculate a recommended bracket spacing when conditions on your specific project vary from those shown.

C49W Bridge Overhang Bracket

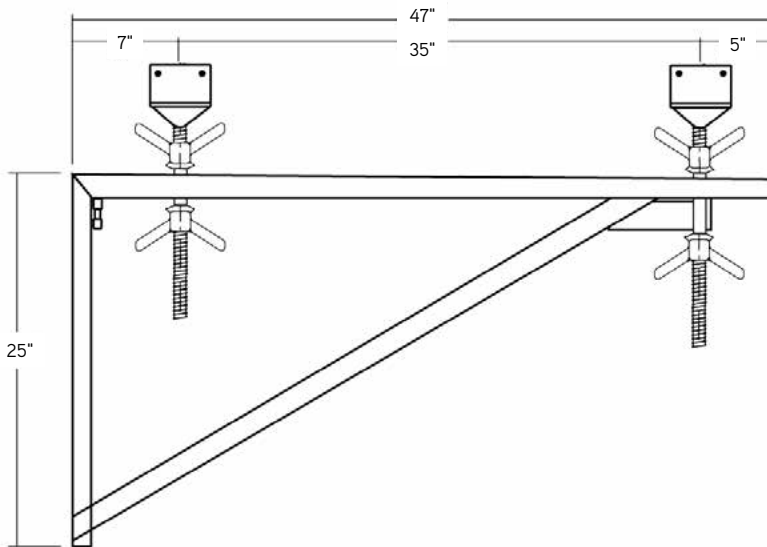
The type C49 W bracket are engineered for west coast bridge construction. Screw jacks extend up to 6" from a steel support frame- stable to resist movement. C49 W meets ANSI specification A 10.9, sections 6.5.1, 6.6.1,7.2.1 and ACI 347 specification 2.4.

- Rated capacity is 4,000 lbs. with an Anchor Safety Factor (FOS) of 3:1.
- The total load spread between both inner and outer jacks must not exceed 4,000 lbs.
- Maximum load to outer jack must not exceed 1,500 lbs. M
- Maximum load to inner jack must not exceed 3,000 lbs.

To achieve bracket maximum load, concrete anchor and anchor bolt must be capable of supporting a combined Safe Working Load.

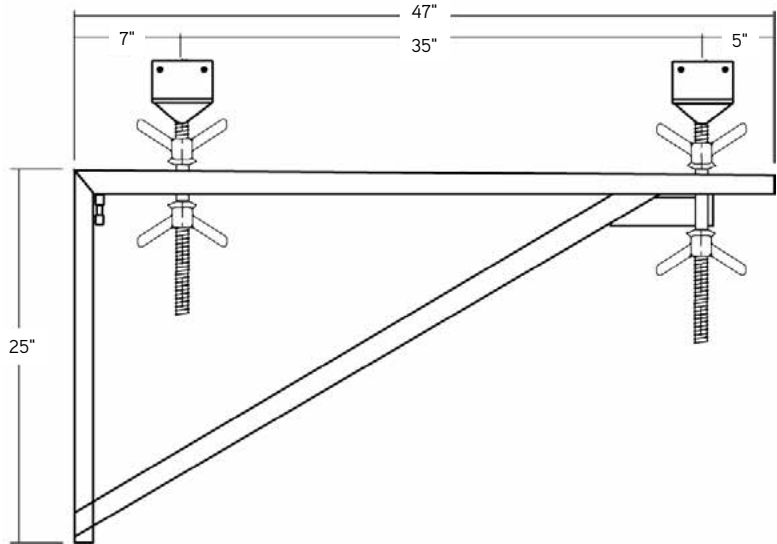


SAFE WORKING LOAD
 SWL Shear = 4,000 lbs.
 SWL Pull-Out = 3,830 lbs.



C49W Bridge Overhang Bracket and Exterior Spacing on Concrete Beam

Up to 2'-0" Overhang on 3/4" plywood, 3-1/2" Joist and Double 2x6 Wales



Bridge Overhang Brackets

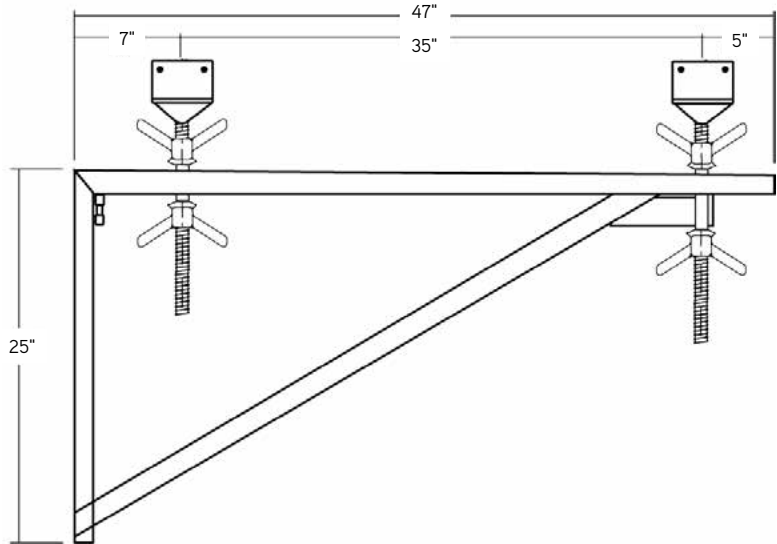
Design Load PSF	Slab Thickness	Bracket "D" Dimension	Screed Load Per Bracket = S _i								Insert SWL
			1,750 lbs.	1,500 lbs.	1,250 lbs.	1,000 lbs.	750 lbs.	500 lbs.	250 lbs.	0 lbs.	
			Bracket "A" Dimension = 8" to 12"								
130	6"	25	1'-11"	2'-9"	3'-6"	4'-3"	5'-1"	5'-10"	6'-8"	7'-5"	4,000
143	7"	25	1'-10"	2'-7"	3'-4"	4'-1"	4'-11"	5'-8"	6'-5"	7'-2"	4,000
157	8"	25	1'-10"	2'-6"	3'-3"	4'-0"	4'-8"	5'-5"	6'-2"	6'-10"	4,000
170	9"	25	1'-9"	2'-5"	3'-1"	3'-10"	4'-6"	5'-2"	5'-11"	6'-7"	4,000
183	10"	25	1'-8"	2'-4"	3'-0"	3'-8"	4'-4"	5'-0"	5'-8"	6'-4"	4,000
197	11"	25	1'-7"	2'-3"	2'-10"	3'-6"	4'-1"	4'-9"	5'-5"	6'-0"	4,000
210	12"	25	1'-6"	2'-1"	2'-9"	3'-4"	3'-11"	4'-7"	5'-2"	5'-9"	4,000
223	13"	25	1'-5"	2'-0"	2'-7"	3'-2"	3'-9"	4'-4"	4'-11"	5'-6"	4,000
237	14"	25	1'-5"	1'-11"	2'-6"	3'-1"	3'-7"	4'-2"	4'-9"	5'-3"	4,000
250	15"	25	1'-4"	1'-10"	2'-5"	2'-11"	3'-5"	4'-0"	4'-6"	5'-0"	4,000
263	16"	25	1'-3"	1'-9"	2'-3"	2'-9"	3'-3"	3'-10"	4'-4"	4'-9"	4,000
277	17"	25	1'-2"	1'-8"	2'-2"	2'-8"	3'-2"	3'-7"	4'-1"	4'-5"	4,000
290	18"	25	1'-2"	1'-7"	2'-1"	2'-6"	3'-0"	3'-5"	3'-10"	4'-2"	4,000
303	19"	25	1'-1"	1'-6"	2'-0"	2'-5"	2'-10"	3'-3"	3'-7"	3'-11"	4,000
317	20"	25	1'-0"	1'-5"	1'-10"	2'-4"	2'-9"	3'-1"	3'-5"	3'-9"	4,000

NOTES:

- Design load calculations for the above bracket spacings are based on a dead load of 160 pcf for the concrete and formwork, a live load of 50 psf for workers, moveable equipment and materials, plus a 75 plf vertical load applied at the outside edge of the deck overhang. A 50 psf live load is also applied to the walkway area assumed 2'-0" wide.
- Always check overhang form lumber to make sure it will span the selected bracket spacing.
- For a nominal charge, Dayton Superior Technical Assistance will calculate a recommended bracket spacing when conditions on your specific project vary from those shown.

C49W Bridge Overhang Bracket and Exterior Spacing on Concrete Beam

Over 2'-0" to 3'-0" Overhang on 3/4" plywood, 3-1/2" Joist and Double 2x6 Wales



Design Load PSF	Slab Thickness	Bracket "D" Dimension	Screed Load Per Bracket = S _i								Insert SWL
			1,750 lbs.	1,500 lbs.	1,250 lbs.	1,000 lbs.	750 lbs.	500 lbs.	250 lbs.	0 lbs.	
			Bracket "A" Dimension = 8" to 12"								
130	6"	25	*	*	*	1'-5"	2'-1"	2'-10"	3'-6"	4'-2"	4,000
143	7"	25	*	*	*	1'-4"	2'-0"	2'-8"	3'-4"	3'-11"	4,000
157	8"	25	*	*	*	1'-4"	1'-11"	2'-6"	3'-2"	3'-9"	4,000
170	9"	25	*	*	*	1'-3"	1'-10"	2'-5"	3'-0"	3'-7"	4,000
183	10"	25	*	*	*	1'-2"	1'-9"	2'-4"	2'-10"	3'-5"	4,000
197	11"	25	*	*	*	1'-2"	1'-8"	2'-2"	2'-9"	3'-3"	4,000
210	12"	25	*	*	*	1'-1"	1'-7"	2'-1"	2'-7"	3'-2"	4,000
223	13"	25	*	*	*	1'-0"	1'-6"	2'-0"	2'-6"	3'-0"	4,000
237	14"	25	*	*	*	1'-0"	1'-5"	1'-11"	2'-5"	2'-10"	4,000
250	15"	25	*	*	*	*	1'-5"	1'-10"	2'-4"	2'-9"	4,000
263	16"	25	*	*	*	*	1'-4"	1'-9"	2'-2"	2'-8"	4,000
277	17"	25	*	*	*	*	1'-3"	1'-8"	2'-1"	2'-6"	4,000
290	18"	25	*	*	*	*	1'-3"	1'-7"	2'-0"	2'-5"	4,000
303	19"	25	*	*	*	*	1'-2"	1'-7"	1'-11"	2'-4"	4,000
317	20"	25	*	*	*	*	1'-1"	1'-6"	1'-10"	2'-3"	4,000

NOTES:

- Design load calculations for the above bracket spacings are based on a dead load of 160 pcf for the concrete and formwork, a live load of 50 psf for workers, moveable equipment and materials, plus a 75 plf vertical load applied at the outside edge of the deck overhang. A 50 psf live load is also applied to the walkway area assumed to be 2'-0" wide.
- Always check overhang form lumber to make sure it will span the selected bracket spacing.
- For a nominal charge, Dayton Superior Technical Assistance will calculate a recommended bracket spacing when conditions on your specific project vary from those shown.