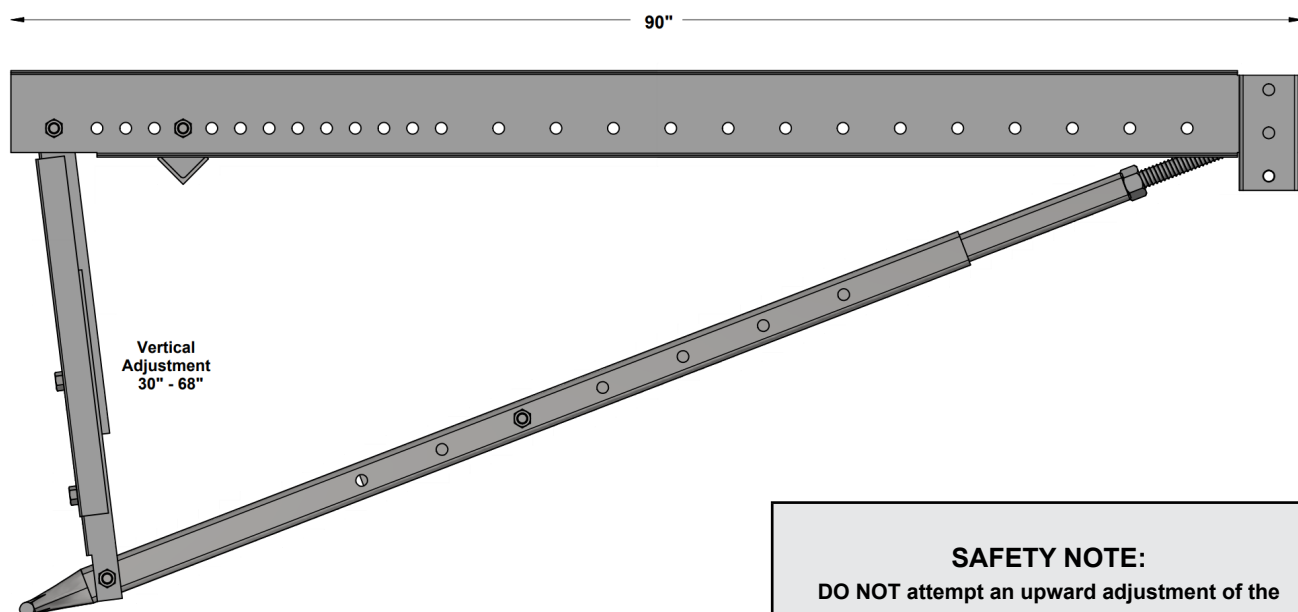


Heavy Duty Bridge Overhang Brackets

Adjustable overhang deck support for both structural steel and precast concrete beams

These brackets can be used with an appropriate 3/4" exterior hanger, such as the Type 9-A and 9-AB. Heavy Duty Bridge Overhang Brackets are fabricated with nail holes in the top of the horizontal member for securing the required lumber nailer to the bracket.

A guard rail receptacle, which allows for attaching a 2" x 4" guard rail post, is built into the outboard end of the bracket's horizontal member. The bracket can be easily and quickly preset on the ground and then set in place as needed. An outboard adjustment nut controls the vertical movement of the outboard end of the bracket to accommodate setting the overhang formwork to final grade. Overhang Brackets are usually adjusted to the proper grade during the normal "dry run" operation. Typically, the overhang forms are set 1/4" to 3/8" above finished grade to compensate for dead load deflection. The Heavy Duty Bridge Overhang Bracket is designed for maximum adjustment and strength to meet the varied overhang forming requirements of the various State D.O.T.



SAFETY NOTE:

DO NOT attempt an upward adjustment of the bracket during the concrete pouring operation. DO NOT lower the bracket during the concrete pour.

Heavy Duty Bridge Overhang Brackets							
Part No.	Description	Channel Length	Vertical* Adjustment	Coil Rod Diameter	SWL (lbs)	Total Section Modulus in ³	Moment of Inertia in ⁴
SBBOBHD	72" Heavy Duty Bridge Overhang Bracket	72"	28" to 66"	3/4"	6,000	2.375	4.7502
SBBOBHDL	90" Heavy Duty Bridge Overhang Bracket	90"	30" to 68"	3/4"	6,000	4.118	12.355

* Vertical adjustment in 2" increments

** Safe Working Load (SWL) based on 2:1 safety factor of axial load in diagonal leg

Made in the USA available

EXTERIOR HANGER SPACING FOR HEAVY DUTY BRIDGE OVERHANG BRACKET

For Use On Steel Girders 3'-0" to 4'-0" Overhang

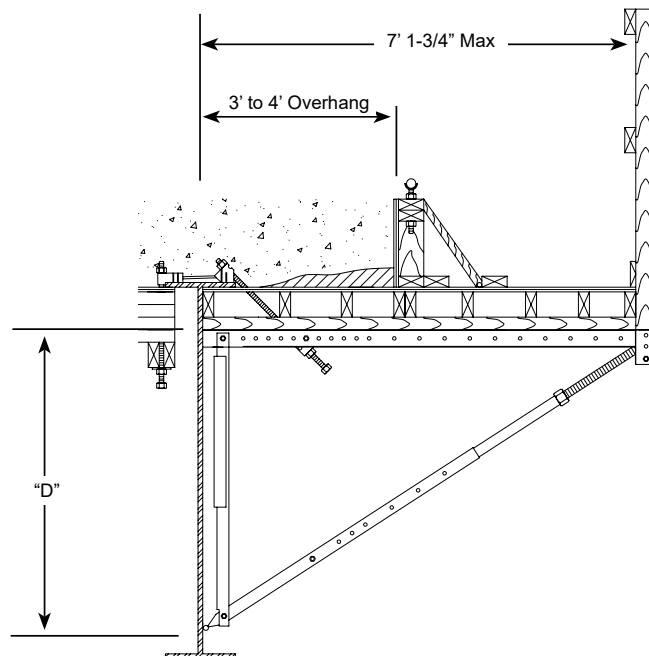
BOBHD BRIDGE OVERHANG BRACKET AND EXTERIOR HANGER SPACING (ft.)										
DESIGN LOAD PSF	OVERHANG THICKNESS MAX.	BRACKET "D" DIMENSION	SCREED LOAD PER BRACKET (lb)							HANGER SWL (lb)
			0	500	1,000	1,500	2,000	2,500	3,000	
157	8"	30"	7'-2"	6'-6"	5'-11"	5'-0"	4'-0"	3'-6"	3'-0"	8,000
			8'-0"	8'-0"	6'-6"	5'-6"	4'-6"	3'-6"	3'-3"	11,300
		50"	7'-2"	6'-6"	5'-11"	5'-3"	4'-8"	4'-0"	3'-4"	8,000
			8'-0"	8'-0"	8'-0"	8'-0"	7'-7"	6'-9"	6'-3"	11,300
		68"	7'-2"	6'-6"	5'-11"	5'-3"	4'-8"	4'-0"	3'-4"	8,000
			8'-0"	8'-0"	8'-0"	8'-0"	7'-7"	7'-0"	6'-4"	11,300
184	10	30"	6'-5"	5'-10"	5'-3"	4'-8"	3'-6"	3'-0"	2'-6"	8,000
			8'-0"	7'-0"	6'-6"	5'-10"	4'-10"	3'-11"	3'-0"	11,300
		50"	6'-5"	5'-10"	5'-3"	4'-8"	4'-2"	3'-7"	3'-0"	8,000
			8'-0"	8'-0"	7'-11"	7'-4"	6'-10"	6'-3"	5'-6"	11,300
		68"	6'-5"	5'-10"	5'-3"	4'-8"	4'-2"	3'-7"	3'-0"	8,000
			8'-0"	8'-0"	7'-11"	7'-4"	6'-10"	6'-3"	5'-8"	11,300
210	12"	30"	5'-10"	5'-3"	4'-9"	4'-3"	3'-9"	3'-2"	2'-6"	8,000
			8'-0"	7'-3"	6'-4"	5'-5"	4'-6"	3'-7"	2'-10"	11,300
		50"	5'-10"	5'-3"	4'-9"	4'-3"	3'-9"	3'-3"	2'-8"	8,000
			8'-0"	7'-8"	7'-2"	6'-8"	6'-2"	5'-7"	5'-1"	11,300
		68"	5'-10"	5'-3"	4'-9"	4'-3"	3'-9"	3'-3"	2'-8"	8,000
			8'-0"	7'-8"	7'-2"	6'-8"	6'-2"	5'-7"	5'-1"	11,300
237	14"	30"	5'-3"	4'-9"	4'-4"	3'-10"	3'-4"	2'-10"	2'-3"	8,000
			7'-6"	6'-9"	5'-11"	5'-0"	4'-2"	3'-4"	2'-7"	11,300
		50"	5'-3"	4'-10"	4'-4"	3'-10"	3'-5"	2'-11"	2'-5"	8,000
			7'-6"	7'-0"	6'-6"	6'-0"	5'-6"	5'-1"	4'-6"	11,300
		68"	5'-3"	4'-10"	4'-4"	3'-10"	3'-5"	2'-11"	2'-6"	8,000
			7'-6"	7'-0"	6'-6"	6'-1"	5'-7"	5'-1"	4'-8"	11,300

NOTES:

- Design load calculations include 160 pcf for concrete and formwork plus 50 psf for live loads, equipment and materials. Walkway (38") is also considered by adding a live load of 50 psf, plus 75 plf vertical load at outside edge of overhang.
- Check overhang lumber falsework for the selected spacing.
- Spacing in chart is based on bolt holder connected at $19 \frac{5}{8}$ " = "A" dimension.
- For use with 2x6 type guard rail receptacle (BOBGRR26).

WARNING:

To support a mechanical type finishing machine it is recommended to use an interlocking type exterior hanger.



EXTERIOR HANGER SPACING FOR HEAVY DUTY BRIDGE OVERHANG BRACKET

For Use On Steel Girders 4'-0" to 5'-0" Overhang

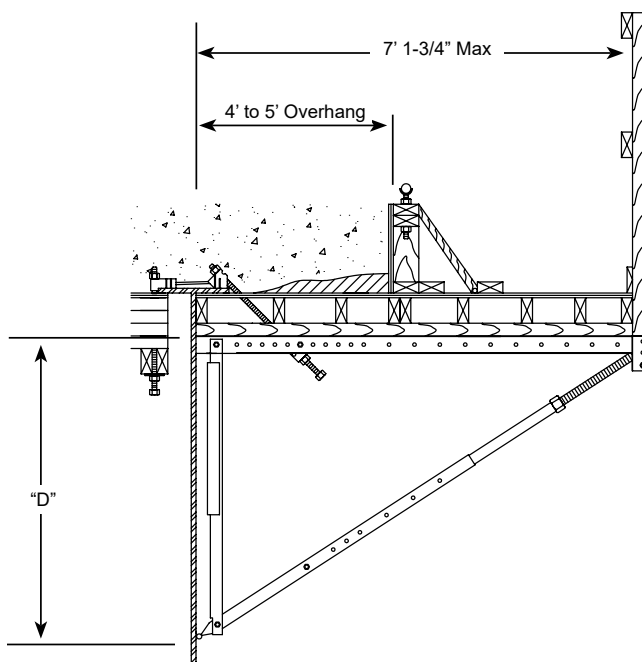
BOBHD BRIDGE OVERHANG BRACKET AND EXTERIOR HANGER SPACING (ft.)										
DESIGN LOAD PSF	OVERHANG THICKNESS MAX.	BRACKET "D" DIMENSION	SCREED LOAD PER BRACKET (lb)							HANGER SWL (lb)
			0	500	1,000	1,500	2,000	2,500	3,000	
157	8"	30"	6'-4"	5'-9"	4'-11"	4'-1"	3'-2"	2'-4"	1'-5"	8,000
			7'-3"	6'-2"	5'-3"	4'-4"	3'-6"	2'-6"	1'-8"	11,300
		50"	6'-4"	5'-9"	5'-2"	4'-8"	4'-1"	3'-6"	2'-11"	8,000
			8'-0"	8'-0"	7'-10"	7'-3"	6'-8"	6'-2"	5'-3"	11,300
		68"	6'-4"	5'-9"	5'-2"	4'-8"	4'-1"	3'-6"	2'-11"	8,000
			8'-0"	8'-0"	7'-10"	7'-3"	6'-8"	6'-2"	5'-7"	11,300
184	10	30"	5'-7"	5'-1"	4'-4"	3'-7"	2'-10"	2'-1"	1'-4"	8,000
			6'-7"	5'-6"	4'-9"	3'-11"	3'-1"	2'-4"	1'-6"	11,300
		50"	5'-7"	5'-1"	4'-7"	4'-1"	3'-7"	3'-1"	2'-7"	8,000
			7'-10"	7'-5"	6'-11"	6'-5"	5'-11"	5'-5"	4'-8"	11,300
		68"	5'-7"	5'-1"	4'-7"	4'-1"	3'-7"	3'-1"	2'-7"	8,000
			7'-10"	7'-5"	6'-11"	6'-5"	5'-11"	5'-5"	4'-11"	11,300
210	12"	30"	5'-0"	4'-6"	3'-10"	3'-2"	2'-6"	1'-10"	1'-2"	8,000
			6'-0"	5'-1"	4'-3"	3'-7"	2'-10"	2'-1"	1'-4"	11,300
		50"	5'-0"	4'-6"	4'-1"	3'-8"	3'-2"	2'-9"	2'-4"	8,000
			7'-0"	6'-7"	6'-2"	5'-8"	5'-3"	4'-10"	4'-4"	11,300
		68"	5'-0"	4'-6"	4'-1"	3'-8"	3'-2"	2'-9"	2'-4"	8,000
			7'-0"	6'-7"	6'-2"	5'-8"	5'-3"	4'-10"	4'-4"	11,300
237	14"	30"	4'-6"	4'-1"	3'-6"	2'-10"	2'-3"	1'-8"	1'-0"	8,000
			5'-5"	4'-7"	3'-11"	3'-3"	2'-7"	1'-11"	1'-3"	11,300
		50"	4'-6"	4'-1"	3'-8"	3'-3"	2'-11"	2'-6"	2'-1"	8,000
			6'-4"	5'-11"	5'-7"	5'-2"	4'-9"	4'-4"	3'-11"	11,300
		68"	4'-6"	4'-1"	3'-8"	3'-3"	2'-11"	2'-6"	2'-1"	8,000
			6'-4"	5'-11"	5'-8"	5'-2"	4'-9"	4'-4"	3'-11"	11,300

NOTES:

- Design load calculations include 160 pcf for concrete and formwork plus 50 psf for live loads, equipment and materials. Walkway (26") is also considered by adding a live load of 50 psf, plus 75 plf vertical load at outside edge of overhang.
- Check overhang lumber falsework for the selected spacing.
- Spacing in chart is based on bolt holder connected at $19 \frac{5}{8}" = "A"$ dimension.
- For use with 2x6 type guard rail receptacle (BOBGRR26).

WARNING:

To support a mechanical type finishing machine it is recommended to use an interlocking type exterior hanger.



EXTERIOR HANGER SPACING FOR HEAVY DUTY BRIDGE OVERHANG BRACKET

For Use On Concrete Beam 3'-0" to 4'-0" Overhang

BOBHD BRIDGE OVERHANG BRACKET AND EXTERIOR HANGER SPACING (ft.)										
DESIGN LOAD PSF	OVERHANG THICKNESS MAX.	BRACKET "D" DIMENSION	SCREED LOAD PER BRACKET (lb)							HANGER SWL (lb)
			0	500	1,000	1,500	2,000	2,500	3,000	
157	8"	30"	6'-6"	5'-11"	5'-2"	3'-10"	2'-6"	1'-6"	1'-0"	8,000
			7'-10"	6'-4"	5'-2"	3'-10"	2'-6"	1'-6"	1'-0"	11,300
		50"	6'-6"	5'-11"	5'-4"	4'-9"	4'-2"	3'-7"	3'-0"	8,000
			8'-0"	8'-0"	8'-0"	7'-6"	6'-4"	5'-0"	4'-9"	11,300
		68"	6'-6"	5'-11"	5'-4"	4'-9"	4'-2"	3'-7"	3'-0"	8,000
			8'-0"	8'-0"	8'-0"	7'-6"	6'-11"	6'-4"	5'-9"	11,300
184	10"	30"	5'-10"	5'-4"	4'-9"	3'-6"	2'-3"	1'-0"	-	8,000
			7'-3"	5'-9"	4'-9"	3'-6"	2'-3"	1'-0"	-	11,300
		50"	5'-10"	5'-4"	4'-9"	4'-3"	3'-9"	3'-3"	2'-8"	8,000
			8'-0"	7'-6"	7'-2"	6'-8"	5'-11"	4'-9"	4'-6"	11,300
		68"	5'-10"	5'-4"	4'-9"	4'-3"	3'-9"	3'-3"	2'-8"	8,000
			8'-0"	7'-6"	7'-2"	6'-8"	6'-2"	5'-7"	5'-0"	11,300
210	12"	30"	5'-3"	4'-9"	4'-3"	3'-3"	2'-1"	-	-	8,000
			6'-9"	5'-4"	4'-5"	3'-3"	2'-1"	-	-	11,300
		50"	5'-3"	4'-9"	4'-3"	3'-10"	3'-4"	2'-11"	2'-5"	8,000
			7'-5"	6'-11"	6'-5"	6'-0"	5'-5"	4'-3"	4'-2"	11,300
		68"	5'-3"	4'-9"	4'-3"	3'-10"	3'-4"	2'-11"	2'-5"	8,000
			7'-5"	6'-11"	6'-5"	6'-0"	5'-6"	5'-1"	4'-6"	11,300
237	14"	30"	4'-9"	4'-4"	3'-11"	3'-0"	1'-11"	-	-	8,000
			6'-3"	5'-0"	4'-1"	3'-0"	1'-11"	-	-	11,300
		50"	4'-9"	4'-4"	3'-11"	3'-6"	3'-1"	2'-8"	2'-3"	8,000
			6'-9"	6'-4"	5'-10"	5'-5"	5'-0"	4'-0"	3'-6"	11,300
		68"	4'-9"	4'-4"	3'-11"	3'-6"	3'-1"	2'-8"	2'-3"	8,000
			6'-9"	6'-4"	5'-10"	5'-5"	5'-0"	4'-7"	4'-0"	11,300

NOTES:

- Design load calculations include 160 pcf for concrete and formwork plus 50 psf for live loads, equipment and materials. Walkway (38") is also considered by adding a live load of 50 psf, plus 75 plf vertical load at outside edge of overhang.
- Check overhang lumber falsework for the selected spacing.
- Spacing in chart is based on bolt holder connected at $14 \frac{5}{8}" = "A"$ dimension.
- For use with 2x6 type guard rail receptacle (BOBGRR26).

WARNING:

To support a mechanical type finishing machine it is recommended to use an interlocking type exterior hanger.

