

Bridge Overhang Bracket

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

The size and shape of a Bridge Overhang Bracket is adjusted by changing the vertical and diagonal legs to meet the specific overhang requirements. Brackets can be preset on the ground, then moved into position, to speed forming operations.

With holes spaced at 2" increments, the legs can be adjusted so the diagonal will transfer the load from the end of the bracket to the bottom flange of the beam. An adjusting nut at the outboard end of the bracket is used for final grading.

A coil bolt attached to the exterior hanger passes through a Bolt Holder located along the bottom of the horizontal channel. The Bolt Holder is relocated for each project so the coil bolt is at a 45° angle to the top flange of the beam and bearing against the bottom side of the channel to support the bracket load.

An Extension channel for wider overhangs, Guard Rail Pocket for 2x4 lumber uprights, and Wall Plate for wall mounting, are options adding to the versatility of the Bridge Overhang Bracket.



Bridge Overhang Bracket



Junior Bridge Overhang Bracket

Bridge Overhang Brackets				
Part No.	Description	Channel Length	Vertical* Adjustment	Diagonal Leg SWL**
SBBOB	Bridge Overhang Bracket	54"	30" to 50"	3,750 lbs
SBBOBD	Bridge Overhang Bracket - Deep	54"	50" to 70"	3,750 lbs
SBBOBM	Bridge Overhang Bracket - Modified	54"	16" to 28"	3,750 lbs
SBBOBJ	Bridge Overhang Bracket - Junior	27"	16" to 28"	3,750 lbs

* Vertical adjustment in 2" increments.

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

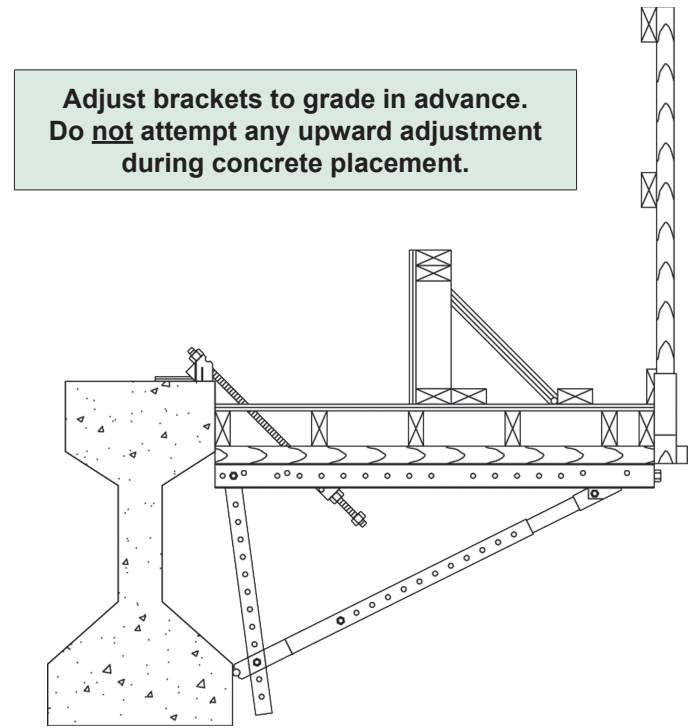
There are four different versions of the Bridge Overhang Bracket, providing the size and adjustment needed for the varied bridge overhang forming requirements on both structural steel and precast concrete beams.

The Standard version is designed for the most common bridge beam conditions, with a 54" top channel and telescoping 30" to 50" adjustable vertical strut.

The Deep version is designed for deeper bridge beams, with a 54" top channel and telescoping 50" to 70" adjustable vertical strut.

The Modified version is designed for shorter bridge beams, with a 54" top channel and single 16" to 28" adjustable vertical strut.

The Junior version is designed for limited space conditions, with a 27" top channel and single 16" to 28" adjustable vertical strut.



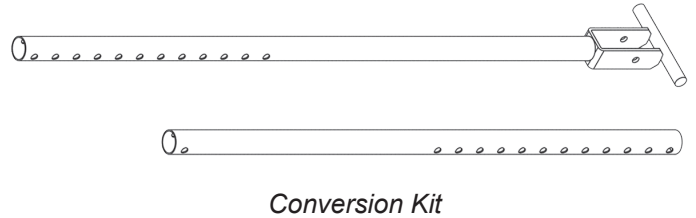
*Bridge Overhang Bracket - Typical section
(actual conditions will vary by application)*

Bridge Overhang Bracket Accessories

Part No.	Description	Application
SBBOBCK	BOB Conversion Kit	(Optional legs for "Deep" bracket configuration)
SBBOBEX	BOB Extension Channel	(Extends horizontal length to 71")
SBGRB24	BOB Guard Rail Bracket 2x4	(Receptacle for 2x4 lumber post)
SBBOBWPA	BOB Wall Plate Assembly	(Mounting plate for concrete wall or box beam)

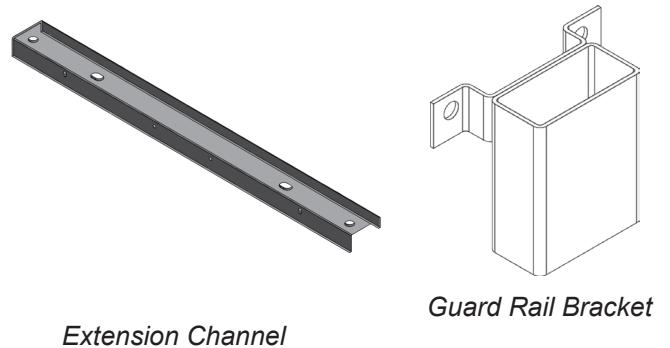
Conversion Kit

The standard Bridge Overhang Bracket is quickly converted to a Deep version by replacing the telescoping vertical and diagonal legs with the Conversion Kit. This substitution changes the adjustment range from 30/50 to 50/70.



Extension Channel

The Extension Channel attaches to one side of the Bridge Overhang Bracket to extend the usable working length. The Extension Channel is only used to support a walkway so the entire length of the Bridge Overhang Bracket can be used for formwork support.



Guard Rail Bracket

The Guard Rail Bracket bolts to either the Bridge Overhang Bracket or the Extensions Channel. This provides a secure location for a lumber 2x4 post for the guard rails along the edge of bridge formwork.

Wall Plate Assembly

The Wall Plate Assembly is an adjustable attachment plate that is fastened to a 3/4" insert (Coil or NC type) that has been cast into a concrete wall or precast bridge beam. The Bridge Overhang Bracket is then bolted through the sleeve of the Wall Plate Assembly to support the formwork.

The serrated face of the plate and washer provides the height adjustment when fastening the Wall Plate Assembly to the 3/4" insert. Unbolting the Bridge Overhang Bracket from the Wall Plate Assembly, then removing the Wall Plate Assembly, simplifies stripping and removal.

