

Deck Overhang Design Table

Overhang	2, 3 & 4 RAIL BOXBEAM WITH CURB/SIDEWALK		3-RAIL WITHOUT CURB		FASCIA MOUNTED		F SHAPE - 32 IN			F SHAPE - 42 IN		
	Trans	Long	Trans	Long	Trans	Long	Trans (int)	Trans (end)	Long	Trans (int)	Trans (end)	Long
>= 1'-6"	#8 @ 6"	#7 @ 6"	#7 @ 6"	#6 @ 6"	#6 @ 6"	#5 @ 6"	#5 @ 6"	#7 @ 6"	#5 @ 6"	#7 @ 6"	#8 @ 6"	#6 @ 6"
>= 2'-0"	#7 @ 6"	#6 @ 6"	#6 @ 6"	#5 @ 6"			#5 @ 6"		#5 @ 6"	#7 @ 6"	#8 @ 6"	#6 @ 6"
>= 2'-6"	#6 @ 6"	#5 @ 6"	#5 @ 6"	#5 @ 6"			#5 @ 6"		#5 @ 6"	#7 @ 6"	#8 @ 6"	#6 @ 6"
3'-0" TO 5'-0"	#5 @ 6"	#5 @ 6"	#5 @ 6"	#5 @ 6"			#7 @ 6"		#6 @ 6"	#8 @ 6"	#9 @ 6"	#7 @ 6"

Notes:

Bottom transverse and longitudinal shall match the interior deck steel.

Longitudinal overhang steel will start at the centerline of the exterior support and go to the fascia.

Transverse overhang steel shall extend the splice distance beyond the centerline of the exterior support.

Primary reinforcement shall be placed in the direction of the skew for deck skew angles up to 20 degrees, otherwise it shall be placed perpendicular to the main supporting components.

Design Assumptions

8.5" paved deck (2.5" cover top & 1.5" cover bottom)

9.0" bare deck (3.0" cover top & 1.5" cover bottom)

Can be used with sidewalks on the bridge

4,000 psi min concrete strength

60,000 psi min reinforcing steel strength

flange widths range from 12" - 20"