

Deck Slab Reinforcement – Precast Concrete NEBT Beams, and 36" and 48" Precast Concrete Box Beams

Maximum Beam Spacing	Design Deck Thickness	Transverse (Primary) Reinforcement		Longitudinal Reinforcement	
		Bottom	Top	Bottom	Top
5' - 0"	8.0"	#4 @ 6.0 in	#4 @ 6.0 in	#4 @ 7.5 in	#4 @ 7.5 in
5' - 6"	8.0"	#4 @ 6.0 in	#4 @ 6.0 in	#4 @ 7.5 in	#4 @ 7.5 in
6' - 0"	8.0"	#4 @ 6.0 in	#4 @ 6.0 in	#4 @ 7.5 in	#4 @ 7.5 in
6' - 6"	8.0"	#4 @ 6.0 in	#4 @ 6.0 in	#4 @ 7.5 in	#4 @ 7.5 in
7' - 0"	8.0"	#4 @ 6.0 in	#4 @ 6.0 in	#4 @ 7.5 in	#4 @ 7.5 in
7' - 6"	8.0"	#5 @ 7.0 in	#5 @ 7.0 in	#4 @ 6.5 in	#4 @ 6.5 in
8' - 0"	8.0"	#5 @ 7.0 in	#5 @ 7.0 in	#4 @ 6.5 in	#4 @ 6.5 in
8' - 6"	8.0"	#5 @ 7.0 in	#5 @ 7.0 in	#4 @ 6.5 in	#4 @ 6.5 in
9' - 0"	8.0"	#5 @ 7.0 in	#5 @ 7.0 in	#4 @ 6.5 in	#4 @ 6.5 in
9' - 6"	8.0"	#5 @ 7.0 in	#5 @ 7.0 in	#4 @ 6.5 in	#4 @ 6.5 in
10' - 0"	8.0"	#5 @ 6.0 in	#5 @ 6.0 in	#4 @ 6.0 in	#4 @ 6.0 in
10' - 6"	8.0"	#5 @ 6.0 in	#5 @ 6.0 in	#4 @ 6.0 in	#4 @ 6.0 in
11' - 0"	8.0"	#5 @ 6.0 in	#5 @ 6.0 in	#4 @ 6.0 in	#4 @ 6.0 in
11' - 6"	8.5"	#5 @ 6.0 in	#5 @ 6.0 in	#4 @ 6.0 in	#4 @ 6.0 in
12' - 0"	8.5"	#5 @ 6.0 in	#5 @ 6.0 in	#4 @ 6.0 in	#4 @ 6.0 in
12' - 6"	8.5"	#5 @ 6.0 in	#5 @ 6.0 in	#4 @ 6.0 in	#4 @ 6.0 in
13' - 0"	9.0"	#5 @ 6.0 in	#5 @ 6.0 in	#4 @ 6.0 in	#4 @ 6.0 in
13' - 6"	9.0"	#5 @ 6.0 in	#5 @ 6.0 in	#4 @ 6.0 in	#4 @ 6.0 in
14' - 0"	9.5"	#5 @ 6.0 in	#5 @ 6.0 in	#4 @ 6.0 in	#4 @ 6.0 in
14' - 6"	10.0"	#5 @ 6.0 in	#5 @ 6.0 in	#4 @ 6.0 in	#4 @ 6.0 in
15' - 0"	10.5"	#5 @ 6.0 in	#5 @ 6.0 in	#4 @ 6.0 in	#4 @ 6.0 in

NOTES:

1. For design assumptions see Dwg. No. 7.1.4.
2. See Part I, Article 3.5.2 for other relevant information.



LRFD BRIDGE
MANUAL, PART II

DECK SLAB REINF., PRECAST
CONCRETE NEBT AND BOX BEAMS
GENERAL DECK DETAILS

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