

दक्षिण मध्य रेलव
प्रमुख मुख्य इंजीनियर का कार्यालय,
पांचवीं मंजिल, रेल निलयम
सिकंदराबाद- 500 071



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CAO/C/SC

GM/RITES/SC, CPM/RVNL/SC, CPM/RVNL/BZA, CPM/RVNL/CHENNAI

Sr.DEN/Co-ord/SC, GTL, BZA, HYB, GNT & NED

Sub: Provision of 5.15m deck width in ballasted deck bridges-Regarding.

Ref: (1) ESO.87 issued vide letter no.W.506/ESOs, dated 21.05.2020.

(2) W.71/BR/Track Bridge STD/Drawings, dated 25.09.2020

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As per the Policy instructions on Bridge planning and Construction issued through ESO no.87 dated 21.05.2020, minimum deck width of 5.15m has been specified for adoption in ballasted deck bridges to facilitate deep screening by BCM. Subsequent to this policy letter, Bridge designs office of Open line has issued several drawings of PSC Slabs/Girders, vide letter under reference-2, for standard spans with a deck width of 5.15m for adoption by all concerned during construction of new bridges in the Railway.

In this regard, it is noted that some of the GADs of Ballasted deck bridges approved prior to the issue of ESO no.87 have 4.5m deck width. These bridges are mostly minor bridges having standard PSC slabs of 6.1m, 9.15m where it will be possible to adopt 5.15m deck width during the construction stage by making suitable changes in the width of the ballast retainers. Even in Major bridges with PSC Girders of 12.2m and 18.3m spans, deck width of 5.15m can be adopted by changing the spacing of girders and utilizing the provision of additional strands in 4th cable during the 2nd stage pre-stressing. Therefore, all efforts shall be made to adopt 5.15m deck width in the bridges where GADs were earlier approved width 4.5m deck width.


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