

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



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No.W.71/Br/Bridge Policy/Vol.II

Dt:09.08.2021

CE/C/I/SC

Sub: Guntur Division- GNT-GTL Section- Donakonda – Nandyal Sub section-
Doubling Project- Replacing of existing Stone Top Culverts with RCC Box
between Gajjelakonda – Diguva metta stations-Regarding.
Ref: DEN/W/GNT Lr No. GNT/W.71/BR/CON/STC dated 30.06.21.

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Several STC slab bridges are existing on DKD-NDL section which are now proposed for extension with RCC Boxes under Doubling. In this regard, a review of these bridges is made and it is suggested to consider the following aspects while submitting the GADs for approval.

1. **Siphon bridges:** These bridges are primarily meant for connecting field channels across the track for irrigation purpose and as such do not serve as a waterway. Detailed site inspection shall be done to assess the condition/functioning of these siphon bridges which are generally having very small vent ways with low height and with bed level below the ground, making it extremely difficult to maintain them. It is also noted that many of these siphon bridges are defunct and fully clogged for a long period of time. Therefore, such bridges can be proposed for closure in consultation with local irrigation authorities. If there is requirement from irrigation authorities to continue these siphon bridges, it is desirable to replace the existing bridges with RCC BOX of minimum span (not less than 1m) as the maintenance and functionality of the siphons will be further hindered due to the extension of bridge with a BOX.
2. **Other STC bridges:** Wherever, existing bridges are having rail supports, it is desirable to rebuild these bridges with RCC BOX while extending them under doubling. For other STC bridges, condition of the bridge and the suitability of the existing bridge to take additional loads from the new proposed track may be assessed and rebuilding shall be planned if required.

GADs which are under preparation/approved shall be modified accordingly.



(K RAMAKRISHNA)
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