

Project Info

-  APR 14 Oct 2018 to continue.
-  CC5™
-  # 1655.45m²
-  Longitudinal Layer
-  Different Locations
-  SECR





Work Complete at Bridge no 47A, between Tumsar-Tiroda line

Limited Height Subways (LHS) are used in Indian Railways from a long time as the alternative of level crossing systems. It serves the purpose of continuous vehicular travelling on the other side of railway tracks without any disturbance.

The concrete blocks are placed side by side to form a continuous tunnel below the railway track.

In order to avoid vibrational effects of train movement on the concrete blocks placed, it needs to be having some 15mm to 30mm gap between 2 consecutive concrete blocks. The gaps result in leakages of soil, water and aggregates.

Earlier the gaps were used to cover by plastic sheets or tin sheets. But after sometime, these solutions was ineffective due to corrosion in tin plates, or wear tear and likewise reasons. We are currently using Concrete Canvas for the LHS joints covering treatment and it is now one of the best solutions for leakage.

SECR has multiple works on railway track lines near Nagpur, Tumsar, Tiroda, Saoner, Amravati and other related regions. Every month, nearly 4 to 6 LHS launchings are being done from their side where they are using CC5 as a best protection solution for LHS bridges joint leakages issue. Till now nearly 830sqm is installed on these sites. Following is reference photos of our working method.



Excavation & Site preparation for boxes placing



Base Slab Placing



Boxes Placing



Cleaning Concrete Boxes before CC



Cement Bases Silicon Sealant for Sticking of boxes



CC installation with Hilti Gun Nailing



Complete Installation Photos