

Open Spandrel Arch Bridge at Dodan Nallah

The Arch Bridge at Dodan Nallah is an open spandrel reinforced concrete arch bridge. The design completely eliminates expansion joints and bearings, arguably the weakest links in the chain of durability, to increase the bridge's design life.

Construction techniques were selected to require only local labor, a minimum of financial resources, and no heavy construction machinery. A tailor-made formwork system ensured efficient assembly and safe de-centering of the arch. Obstructions in the fast flowing Dodan Nallah were avoided using a combination of steel pipes and girders.

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