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Cost Effective Design for the Future



BH GIRDER

We Build Integrity

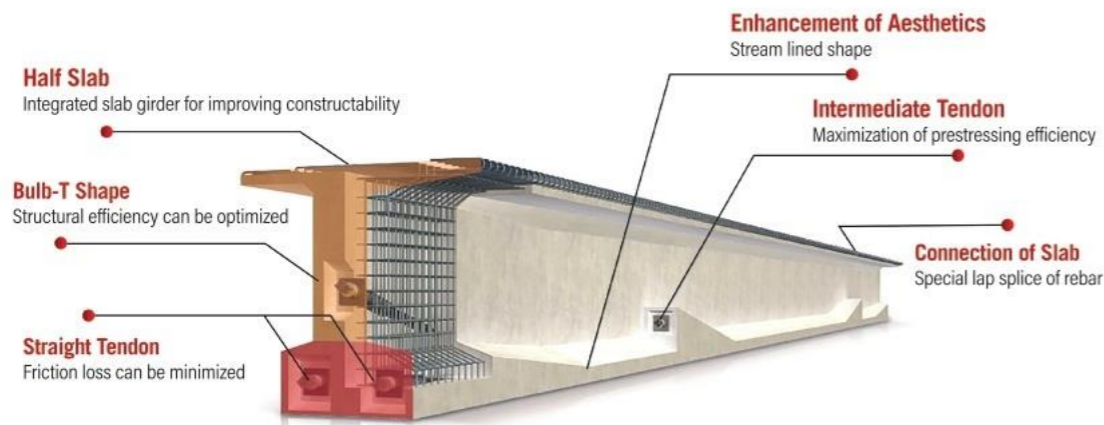


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The **BH Girder** is an innovative and enhanced version of PSC Girder that utilizes the Bulb-T shape integrated with Half Slab which enables it to be applied over a span of longer than 60m. By adopting the latest cutting-edge technologies and innovation, the BH Girder has been designed to achieve the ultimate goals of **Cost Effectiveness, Rapid Construction, Aesthetics and Safety.**



ADVANTAGES

- Efficiency**
 - Achievement of long span and low depth attributed to optimized cross section
 - Maximization of prestressing efficiency by intermediate tendon
 - Minimization of prestressing friction loss by straight tendon profile
- Economics**
 - Reduction of substructure cost by long span girder
 - Reduction of slab cost by half slab girder
 - Reduction of earthwork cost by low depth girder
- Constructability**
 - Improvement of workability by using 60MPa concrete
 - Omission of the formwork and shoring work by half slab girder
 - Prestressing work can be carried out on the ground (Avoid secondary prestressing work)
 - Shorter construction period

RESEARCH & TESTING

FULL SCALE STATIC LOAD TEST ON 60m BH GIRDER



Strain Gauge



Installation of kentledge



LVDT (Displacement Sensor)



Hydraulic jack and load cell

PROFESSIONAL SERVICES

Professional services rendered free of charge includes :

- Design computations and analysis
- Construction drawings
- Material and construction specifications
- Cost estimates
- Technical advice and construction assistance