

ABSTRACT

This work deals with the design and analysis of a simply supported concrete over pass bridge. This bridge is made up of three simple span.

Each span is 20 m in length. The superstructure of the bridge is constructed from precast pretensioned girders. These girders are the AASHTO bridge type V.

Loading is based on the requirements of AASHTO specifications, including the load factor design requirements. Resistance of members is based on the AASHTO requirement and, where permitted by AASHTO ,ACI 318 M-95 has been used.