Major Issues on Bridge

Bridge Design

Super Structure

R.C Girder

III

Design strength of concrete = 3000-psi (Cylinder)
Yield strength of Re-bar = 40000-psi
Cover Thickness = 1.5"
Min splice length = 44Ø
Alternative bar splice bet. L/5 to L/4 from the end.
Dead Load Camber of 3/4" at Mid-span.
III Major Issues on Bridge

Bridge Design

Super Structure

P.C Girder
Major Issues on Bridge

Bridge Design

Super Structure

Slab
III Major Issues on Bridge

Bridge Design

Super Structure

ADB
Steel Truss, Cable Stayed, Suspension

Invite the international open tender for Material including design.
Construction of Bridge

Foundation Work by Bored Machines
Steel Truss Erection made by (3) Nos. of erection Towers and 5 Nos; of Mast Cranes simultaneously
Completion of Main Bridge
Major Issues on Bridge

Bridge Design

Super Structure

Steel Truss
Major Issues on Bridge

Bridge Design

Super Structure

Cable Stayed Bridge
Major Issues on Bridge

Bridge Design

Super Structure

Suspension Bridge
Some bridges in Myanmar

- Uru Bridge
- Maezar Bridge
- Myitthar Bridge (Kalaywa)
- Chindwin Bridge (Monywa)
Master Plan for Arterial Road Network Development in Myanmar
IV Establishment and operation of technical standards

Bridge Design

Standard Specifications for Highway Bridges

For the Loading assumptions

- adopted by The American Association of State Highway and Transportation Officials (AASHTO)

- HS - 25 (125% of HS – 20 of AASHTO Highway Loadings)

- Single heavy vehicle load of 75 t at 10m apart.
Expected Technical supports from Japan

Challenges in Bridge sector

Bridge Maintenance and Management System is urgently needed for our existing bridges over 20 Years Service life.
Our practice is not high technique

Trying improve the technical knowledge

Wish promote the information related to Advanced Technology to enhance Road and Bridge sectors
Thank you for your kind attention