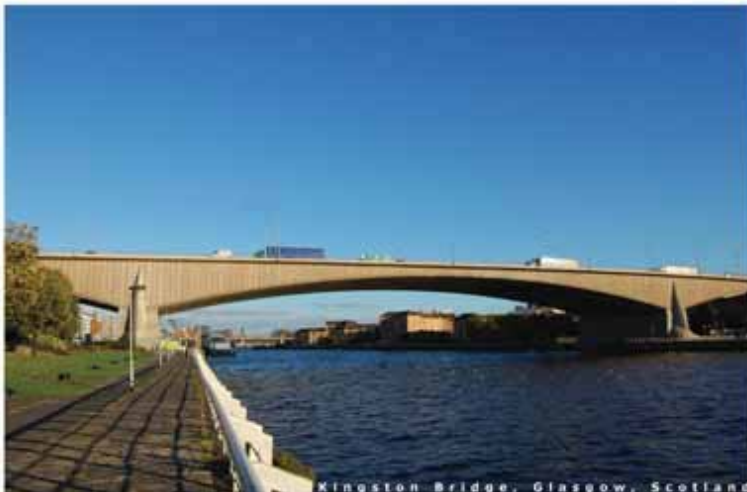


# GIRDER BRIDGE

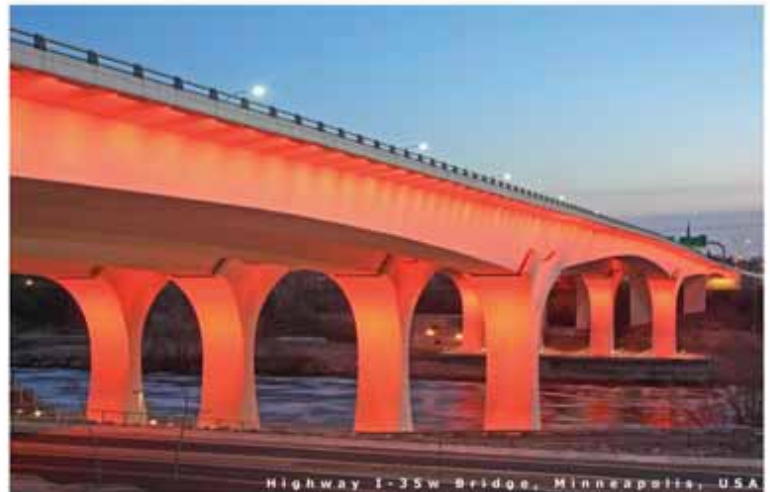
Gird•er [n] - A large beam made out of steel or concrete. A straight or slightly curved structure designed to act primarily in flexure (bending). Sometimes tensioned with internal cables.



Deutz Bridge in Cologne



Kingston Bridge, Glasgow, Scotland

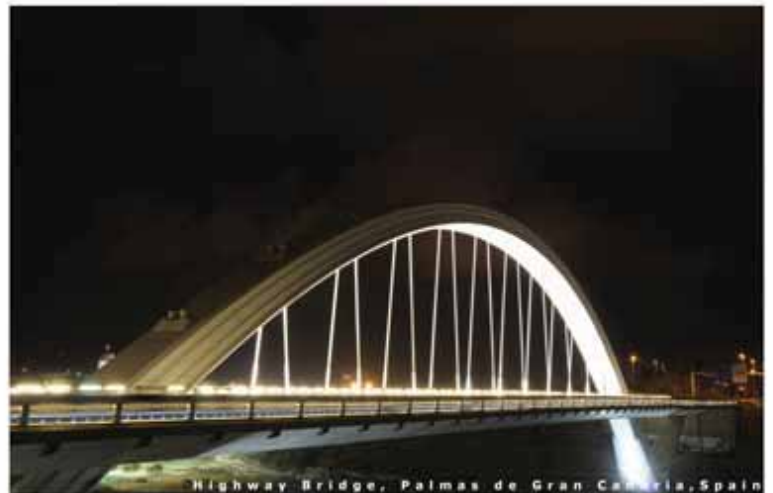


Highway I-35W Bridge, Minneapolis, USA



# ARCH BRIDGE

Arch [n] - A curved structure designed to act primarily in compression. Horizontal thrust reactions are resisted by a tension tie or embedment into the earth.





# CABLE-STAYED BRIDGE

Cable-stayed [n] - A slender girder system cantilevered both ways from a central tower and supported by inclined cables attached to the tower.





# EXTRADOSED BRIDGE

Ex•tra•dosed [n] - A girder bridge in which the tension cables are installed outside and above the main girder and deviated by short towers located at supports. A hybrid between girder and cable-stayed.



