CABLE STAY BRIDGE



3.5 CABLE STAYED BRIDGES



I cable stayed bridge is a continuous girder with one or more towers ad by the bridge's foundation. From these towers, cables extend dowr Ily (usually to both sides) and support the girder.

Steel cables are extremely s but very flexible. Cables are economical as they allow a sl enucture which is still es, careful st

dge



e no distinct classifications stayed bridges. However, be distinguished by the spans, number of towers, e, number of cables, etc. e many variations in the d type of towers, as well as



Cable arrangements also vary greatly. Some typical varieties are mono, harp, fan, and star arrangements. In some cases, only arrangements are of the lower are

Where Are They Used

These role first offset offset of the second second

3.5.3 What They Typically Cost

The typical cost of a cable stayed bridge ranges from \$4,500 to \$5,000 US per





flexibility makes them so span cable-stayed bridg the bridge in the wind.