

Cable Bridge

PFEIFER Structures designs, engineers, and installs cables, wire ropes, and other tension members as components of some of the most iconic cable-stayed bridge structures in the world. Cable-stayed bridges are long-span bridges capable of connecting roadways and walkways over large bodies of water such as rivers and bays. Cable-stayed bridges are differentiated from other bridge structures by how the cables connect to the towers or pillars. Cables and tension rod systems will connect from the bridge to the towers or pillars directly, with the towers or pillars bearing the load of the structure. A cable-stayed bridge can function as a pedestrian bridge or footbridge, a very efficient lightweight structure that allows pedestrians to cross potentially dangerous areas such as highways, rivers, and ravines.

Built in a fraction of the time and at around half the cost of conventional construction, our precision-engineered lightweight structures give architects, city planners, and developers a great alternative to traditional, heavy, and time-consuming methods of bridge construction. There are shapes, forms, and solutions we can create with lightweight architecture that cannot be replicated with any other method of construction, for example – a curved bridge deck.

Our structures can be used for a variety of bridge structures:

- Roadways or causeways
- Pedestrian bridges or footbridges
- Elevated walkways
- Cable and rod hangers
- Renovation of existing bridges

