

Suspension Bridge



The Golden Gate Bridge connects San Francisco to Marin County.

The entire bridge including approach spans is 1.7 miles long.

The distance between the towers of the Golden Gate Bridge is 4200 feet and their height is 746 feet above the water.

The Golden Gate Bridge was built between 1933 and 1937.

Suspended well from two high locations over a river or canyon, simple suspension bridges follow a shallow downward arc and are not suited for modern roads and railroads. Advances in materials and design led to the development of the suspended-deck suspension bridge, a modern bridge capable of carrying vehicles and light rail. Instead of the deck following the downward arc of the main load-bearing cables (or chains), these cables are suspended between towers, and vertical *suspender cables* carry the weight of the deck below, upon which traffic crosses. This arrangement allows the deck to be level or to arc slightly upward for additional clearance.