

Can bridges be built arbitrarily

Bridges look simple from a distance, clean lines over water or valleys, but every finished span sits on thousands of careful steps. This guide explains How Bridges Are Built from first sketch...

Anyone can take a massive tree and tell you a person can cross the river, but an engineer can determine the load, assign a FOS, and then select a timber beam that is just good enough to cross ...

Although there are many kinds of bridges, virtually all of them work by balancing compressive forces in some places with tensile forces elsewhere, so there's no overall force to cause ...

Generally speaking, bridges can be divided into two categories: standard overpass bridges or unique-design bridges over rivers, chasms, or estuaries. Learn more about the history and design of bridges ...

How do engineers decide which type of bridge to build where? We answer all these questions and more in our video and bring you footage of the bridges.

The first bridges made by humans were probably spans of wooden logs or planks and eventually stones, using a simple support and crossbeam arrangement. Most of these early bridges could not support ...

They could create a train bridge if they were told to design a bridge to cross a river without knowing any more information. However, if the bridge was exclusively intended for pedestrians and bikes, it would ...

Old bridges and buildings are analyzed to determine their current state and based on the analysis, proper preservation and rehabilitation measures are adopted to ensure long life of the...

Designing and constructing a bridge is no small feat - it requires a team of highly skilled professionals with expertise in both engineering and construction.

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Bridges are among humanity's most elegant answers to nature's obstacles. A river cuts through the land, a canyon opens beneath a traveler's feet, or a highway must cross a busy ...

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