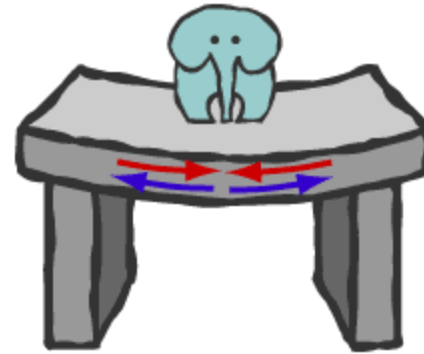


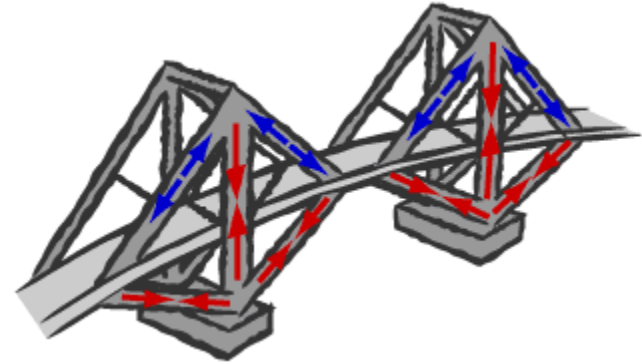
THE BEAM BRIDGE



- A horizontal beam is supported at each end by piers
- The farther apart the piers are, the weaker the bridge becomes
- Span: 250 ft
- <https://www.youtube.com/watch?v=dLWibcvCeXA>

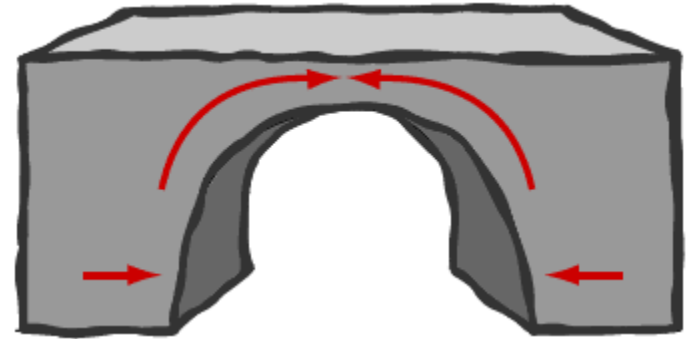


THE TRUSS BRIDGE



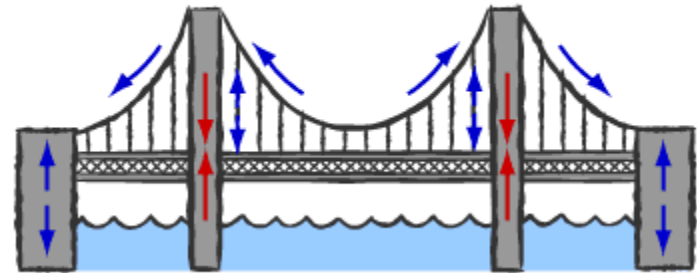
- Consists of triangles made of straight, steel bars
- Rigid arms extend from both sides of the piers, and diagonal steel tubes hold them in place

THE ARCH BRIDGE



- Have great natural strength
- Romans built aqueducts out of stone thousands of years ago
- Span: 800 ft

THE SUSPENSION BRIDGE



- The longest span of all bridge types
- Usually have a truss system beneath the roadway
- Span: 2000 to 7000 ft
- https://www.youtube.com/watch?v=vIZvqGL_wEQ

