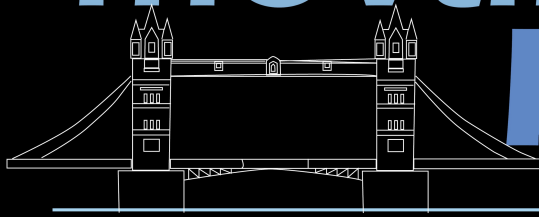


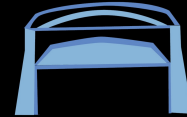
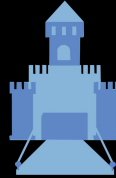
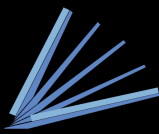
# movable bridges



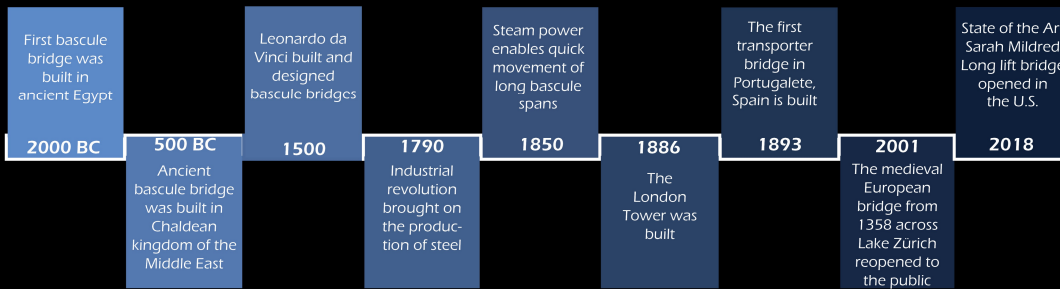
a bridge that can vertically or horizontally change position to allow passage or entrance for boats, barges, vehicles or pedestrians

## COMMON TYPES OF MOVABLE BRIDGES

fan | bascule | drawbridge | swing | lift



## TIMELINE OF MOVABLE BRIDGES



## OTHER TYPES OF MOVABLE BRIDGES

transporter | folding curling | table | thrust | tilt | submersible

**2826**  
MOVABLE  
BRIDGES IN  
THE U.S.

**1348**  
SWING  
BRIDGES IN  
THE U.S.

**1037**  
BASCULE  
BRIDGES  
IN THE U.S.

**408**  
VERTICAL LIFT  
BRIDGES IN  
THE U.S.

**43**  
MOVABLE  
BRIDGES IN  
CHICAGO

## Revolutionary Technology to Proven Product

For more than 15 years Composite Advantage has been designing and supplying fiber reinforced polymer (FRP) decking for all kinds of bridges from trails to pedestrian to vehicle. CA has been the leader in moving FRP decking from revolutionary technology to proven product. One of the key benefits of FRP decking it's 80 percent to 90 percent lighter than concrete decking while having the strength of steel. This makes FRP decking the perfect fit for movable bridges. This reduces the size and cost of mechanical systems and counterweights. The solid surface of FRP decking protects the steel superstructure from corrosion. Design flexibility means prefabricated decking in any size or shape. Functional features include curbs, drainage, railing attachments and a non-slip overlay that withstands steel snow plow blades. Superior corrosion resistance means decking with a long life cycle.

does not require a high structure or long approach

**ADVANTAGES  
OF MOVABLE  
BRIDGES**

**DISADVANTAGES OF  
MOVABLE BRIDGES**

all traffic or people have to be off the bridge before it can be used

**Composite  
Advantage**

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infrastructure products  
Hill & Smith's **CREATIVE COMPOSITES GROUP**

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