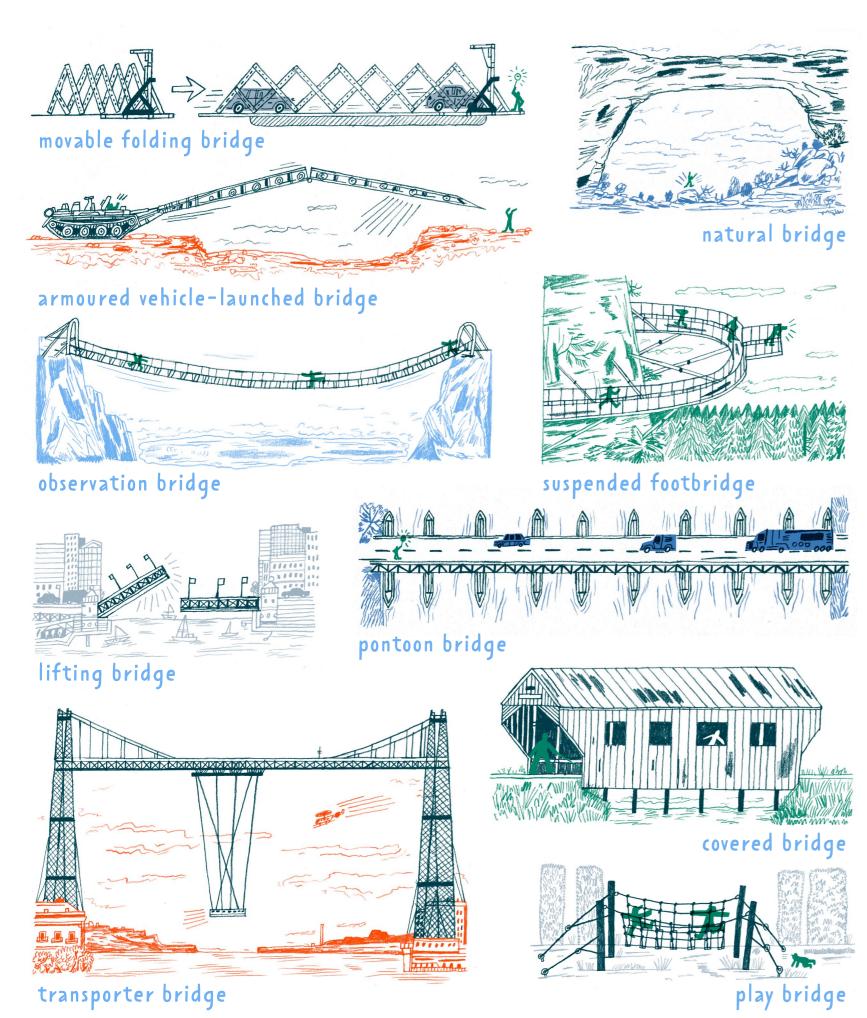


BRIDGES COME IN MANY FORMS





WHAT MAKES A BRIDGE A BRIDGE?

Before we learn what to call it, we need to understand how it serves. We discover its advantages when we are very small, so no complicated explanation is necessary. But how would you describe a bridge to someone who can't see, or to an inhabitant of another planet who has no need of bridges because they fly over every hole and obstacle? How about this?

FEATURES OF A BRIDGE















PARTS OF A BRIDGE

Although bridges differ in appearance, each bridge is unique. Yet all have common structural elements that make them a bridge, without which they would lack the stability to take us from one side to the other.

FOUNDATIONS

Solid bridge "anchors", commonly made of concrete. They hold the : These support the

B ABUTMENTS

bridge firmly in place,

even if the ground is

bridge at its ends and absorb the forces acting

SUPPORTS

Pillars or columns that hold up the bridge and absorb tension bearing down on its structure.

MAIN SUPPORT STRUCTURE

A horizontal support comprising a number of shrinking of material or lighting, water drainage, elements.

BRIDGE DECK

Distributes the load of means of transport to the main supporting structure.

BEARINGS

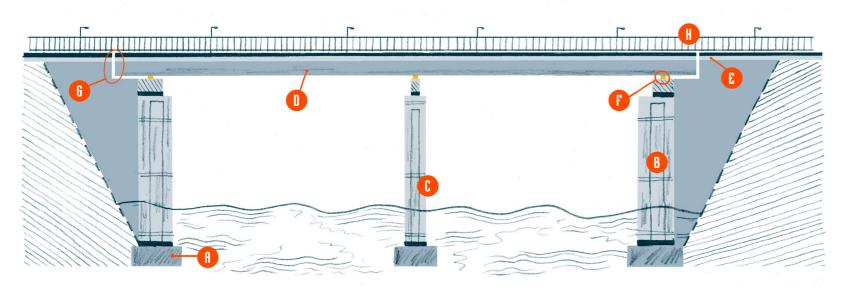
Transfer load from the support structure to the supports, so providing for movement in the structure caused by itilted supports.

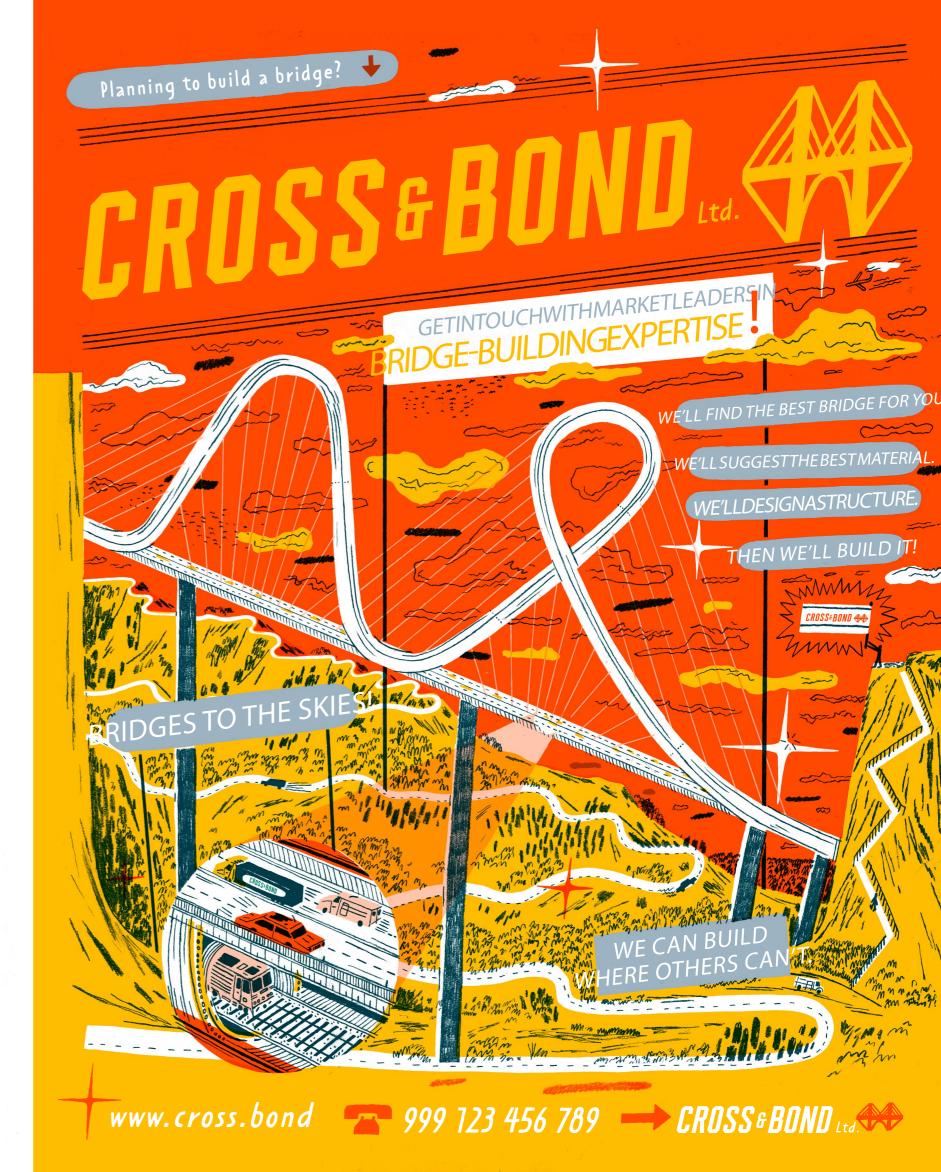
() EXPANSION JOINT AND CLOSURE JOINT

The closure joint overlaps the expansion joint, which is there to allow for movement in the support structure caused by expansion of

material. (I) FITTINGS

Railings, crash barriers,





CHOOSING

the right bridge

others go down in history. Hundreds of shapes and styles. A new bridge transforms, breathing life into any village, town or metropolis. It must be functional, resilient, reliable and, of course, safe. Choosing the right builder for your bridge is allimportant. With us, you'll get a bridge that will last for centuries. We have the know-how!





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HUNDREDSOFSATISFIEDCUSTOMERS



When choosing a BRIDGE, ask yourself these QUESTIONS

What kind of OBSTACLE must it overcome?

NATURAL

narrow expanse of water



wide expanse of water



tectonic shift



impassable terrain





buildings, homes





NONE

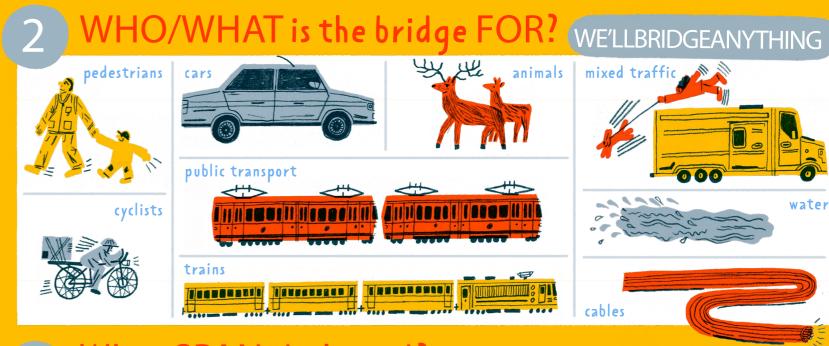
for decoration



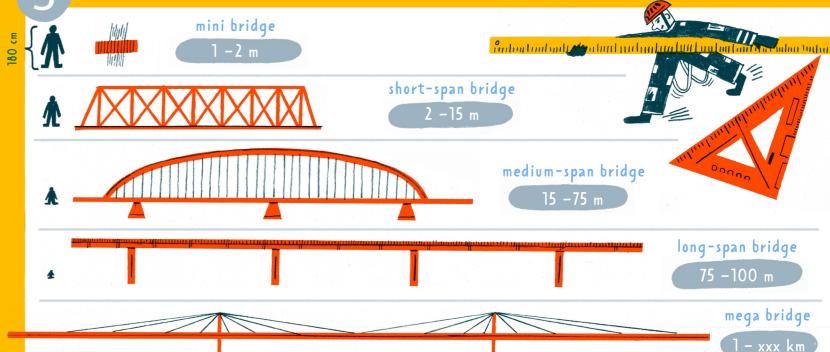
simply a bridge



OBSTACLE? WHAT OBSTACLE?



What SPAN do I need?





Wood



- short lifespan and low durability
- suitable for small bridges for pedestrians and cyclists

Brick

- cheap, readily available, looks
- · limited lifespan suitable
- for historic structures

Stone

- strong, resilient,
- looks good, can be decorated
- suitable for renovation of historic structures





- lightweight, suitable for long spans
- subject to





(oncrete

- strong, resilient,
- bears huge loads across long spans
- improved options:

