

BTEC National in public works



European section



Level	Class activities	Fields
<input checked="" type="checkbox"/> Seconde <input type="checkbox"/> Première <input type="checkbox"/> Terminale	<input checked="" type="checkbox"/> lesson <input type="checkbox"/> Tutorial <input type="checkbox"/> Practical work <input type="checkbox"/> Test	<input type="checkbox"/> roads <input type="checkbox"/> earthworks <input type="checkbox"/> piping <input checked="" type="checkbox"/> works of arts

CROSSING TOP NUMBER 115 - HIGHWAY A89: PARTS OF THIS CROSSING TOP



GOALS :

Each pupil must know how to speak about works of art and how to use data and technical documents.

1-Summary

This bridge is composed of 2, and one, which supports the

All the supports are built on foundations called foundations.

A bridge enables to obstacles like,,

..... must consider many things -- like the distance to be and the types of materials available -- before determining the,, and overall of a bridge.

Use the following words to fill in the blanks:

Streams / shallow / size / abutment piers / engineers / shape / valleys / bridge deck / look / spanned / pile / cross / railroad tracks / footing /

2 - Match each word with its definition:

ABUTMENT / DECK / FATIGUE / FOOTING / PIER / PILE/ REINFORCED CONCRETE / SPAN/ STEEL

- Cause of structural deficiencies, usually due to repetitive loading over time.
- The enlarged, lower portion of a substructure that distributes the structure load either to the earth or to supporting piles; the most common is the concrete slab.
- A substructure element supporting each end of a single span or the extreme ends of a multi-span superstructure and, in general, retaining or supporting the approach embankment
- A very hard and strong alloy of iron and carbon.
- A vertical shaft driven into the ground that carries loads through weak layers of soil to those capable of supporting such loads.
- Concrete with steel reinforcing bars bonded within it to supply increased strength and durability.
- A vertical support or substructure unit that supports the spans of a multi-span superstructure at an intermediate location between its abutments.
- The distance between piers, towers, or abutments.
- The roadway portion of a bridge that directly supports vehicular and pedestrian traffic.