







Standard Bridge & Culvert Components

Typical Bridge Components

Superstructure

 It carries the load applied to the deck and transfers it to bridge supports.

Substructure

- It transfers load from the superstructure to the foundation soil or rock.
- It includes all elements below the bearings.



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Standard Bridge & Culvert Components

Superstructure for Standard Bridges

Superstructure comprises of bearings and all elements above bearings, including:

- Bridgerail.
- Hazard markers.
- Timber stringers with timber deck.
- Reinforced concrete girders.
- Prestressed concrete girders.
- Bearings.



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Standard Bridge & Culvert Components

Typical Bridge Components

Deck

- Provides a smooth & safe riding surface
- Transfers load of the deck to other components.
- Three common material used for the deck:
 - Wood
 - Concrete
 - Steel



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