

Uphill section of bridge bend



Overview

Raidillon is the green uphill section of track that was first built to join Eau Rouge to the rest of the circuit and shortcut the disused l'Ancienne Douane hairpin. It consists of the right hander just after the lowest point and the left hander up over the crest. Geometry is fundamental accurately to successful on bridge bridge construction. Geometric determining constraints bridge geometry often dictate is central framework also made is organized into. "Felipe Massa " by Nic Redhead is licensed under CC BY-SA2. 0 Eau Rouge and Raidillon corners at Spa Francorchamps are some of the most iconic in the world. Their incredible elevation change and speed makes them a daunting challenge for all drivers, and brings with it a high level of risk should. The BENT (PIER) LAYOUT and BENT (PIER) DETAIL sheets provide specific details for the bridge bents and piers. Output results include the coordinates of each intersection point, together with intermediate "fractional" points, printed sequentially along each girder line.



Article Content

Jul 28, 2025

BDP 5.6 Concrete Bent Caps

This section presents the typical design procedure for cast-in-place concrete bent caps. Topics include design for flexure, shear, and shear-flexure interaction.

Dec 12, 2025

Microsoft Word

In fill sections, end bent slopes should be normal to the end bent cap, and in cut and partial cut sections, slopes should be normal to the railway ditch. The location of the toe of the slope should conform to

Mar 06, 2026

Bridge Design Guide

The TxDOT Bridge Design Manual-LRFD, Chapter 3, Section 17 presents a LRFD based methodology to design spans with two tub girders in cross section such that the span will not collapse after the

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Bridge Crossings and the Proper use of EX-TEND, FLEX-TEND

Bridge Crossings and the Proper use of EX-TEND®, FLEX-TEND®, and Force Balanced FLEX-TEND Products Bridges can serve as very convenient structures for routing utility piping over obstacles

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Plan curvature in bridges

Railway bridges are rarely curved in plan, since the track radius is normally so great that the deviation from straight over a span is modest and easily accommodated

Apr 12, 2026

Bridge Object Bent Assignments Form

Note: The elevation specified for the restrainer, bent and the bearings are Global Z coordinates. Use the Bridge Object Bent Definition form to review, and if necessary modify, the bent assignments.

Oct 12, 2025

Staff Bridge Branch

bent line with a unique character (A-Z or 1-9) in this field will intersect only with girder lines (record 5) having the same character in the second position of the X-type field (column 53)

Feb 01, 2026

BDD Chapter 7 Bent

Main bent cap top reinforcement may be bundled vertically or horizontally wider than bent cap section. Vertical bundles should be avoided in post-tensioned/prestressed girder bridges.

Apr 18, 2026

The dynamics of a river bend: a study in flow and sedimentary

Comprehensive field measurements of flow and sedimentary processes have been made with the aid of stable scaffolding bridges spaced along the length of a bend of the River South Esk, Scotland. At

Jan 29, 2026

Bridge | History, Design, Types, Parts, Examples,

A bridge is a structure that spans horizontally between supports, whose function is to carry vertical loads. Generally speaking, bridges can be divided into two

Oct 01, 2025

Suspension bridge | Definition, Mechanics, History, Examples, & Facts ...

Suspension bridge, bridge with overhead cables supporting its roadway. Modern suspension bridges are light and

Jan 04, 2026

Eau Rouge & Raidillon: Is F1's Flat-Out Corner too Dangerous?

Most people – and drivers – wrongly refer to the whole sequence of bends as Eau Rouge, including the incredibly steep uphill section. In fact, Eau Rouge is just the tiny little left-hand kink at

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Determining the exact live load distribution on a bent is impractical due to the load placement variations and modeling constraints. Live loading may be idealized based on typical California Department of

Jul 01, 2025

The Physics of Bridges: Forces That Keep Them Standing

Temperature and Expansion Bridges exist outdoors, exposed to changing temperatures. As materials heat up, they expand. When they cool, they

Sep 07, 2025

C:\aaawp\BOOKS\Raft_PaddleRaftManual2182Ch03-RiverDynamics

River Dynamics 1 Moving water has power. A swiftwater rescuer needs to understand moving water. This section covers river dynamics which provide the foundation for river reading. The dynamics of

Feb 18, 2026

Bridge Geometry Manual

Bridge Geometry Manual Publication No. FHWA-HIF-22-034 Infrastructure Office of Bridges and Structures

Jan 03, 2026

Abutment of Bridges: Functions, Types, and Design

Cantilever Abutment Walls For bridges without integral abutments, the T-section reinforced concrete cantilevered wall has

Sep 11, 2025

TxDOT Bridge Detailing Guide

- Appendix Section on Spread Box Beams
- Update Box Beams for some changes to standards in Cap/Column sizes
- Section or Appendix Section on Widening (Look for examples in new Bridge

Jan 14, 2026

Section 3: Bridge Hydraulic Considerations

For many situations, one-dimensional analysis techniques suffice for determining optimum bridge locations. When analyzing complex sites, such as those at a bend (Figure 9-4), and at skewed

Dec 06, 2025

Bridge Mechanics (BIRM)

Bridge Design Loadings Mechanics is the branch of physical science that deals with energy and forces and their relation to the equilibrium, deformation, or motion of bodies. The bridge inspector will

Mar 02, 2026

BDD Chapter 7 Bent

Bridge Design Details 7.8 August 2025 Bent Cap Section Details (Over 20o Skew)
Details of bent cap reinforcement for concrete Box Girders and T-Beams where deck reinforcement is placed normal to

Apr 20, 2026

Bridge Basics, Typical Sections

Typical Sections A typical section is a representation of roadway cross sections with similar or nearsimilar design features. A given roadway project may need more

Jun 06, 2026

Common Bridge Terms

Common Bridge Terms Abutment A retaining wall supporting the ends of a bridge, and, in general, retaining or supporting the approach embankment. Approach The

Feb 22, 2026

Microsoft Word

Removing water from the driving surface using a crown cross-section to protect against potential hydroplaning. Channeling drainage water away from the bridge and features below the

Aug 15, 2025

Bridge Design Guide

For twin tub-girder superstructures evaluated in accordance with TxDOT Bridge Design Manual-LRFD Chapter 3 Section 17 and for other bridges where refined analysis has demonstrated that collapse

Oct 22, 2025

Guidance Note Bridge articulation No. 1

Scope This Guidance Note gives advice on the selec-tion of the articulation arrangements, the choice of bearing types and dispositions of bearings, for bridges where relative movement (translation and

Dec 26, 2025

Bridge Inspection: Piers and Bents (BIRM)

A pier or bent is an intermediate substructure unit located between the ends of a bridge. Its function is to support the bridge at intermediate intervals with minimal obstruction to the flow of traffic or water

Contact Us

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