



PROJECT

Widening and Reinforcement Bridges

DESCRIPTION

At RDA Ingeniería, we have undertaken numerous Detailed Design Projects for the widening and reinforcement of existing bridges, enhancing their capacity to meet present-day requirements. Our involvement spans every phase of the project, from the initial design for bidding purposes to the detailed execution plan, and we provide support throughout the construction stages.

Through widening and reinforcement, we successfully adapt existing structures to accommodate modern roadway widths, increased loads, and in compliance with current regulations. We have worked on bridges of diverse types, materials, and varying ages – spanning from the early 20th century to the present day. This spectrum of projects continually presents distinct challenges, requiring a highly customized and artisanal approach to design.

SOLUTION

These challenges often require reinforcement on both the superstructure and infrastructure, focusing on minimizing interventions in the foundations due to their inherent complexities. Enhancements are typically achieved through section augmentations and the addition of new reinforcement, alongside the incorporation of external metallic reinforcements. Furthermore, our solutions frequently incorporate Jersey-type barriers, significantly enhancing the project in terms of road safety.