BWB Consulting was commissioned by Cass Hayward to deliver engineering design services for 3 road bridge replacement schemes in Monmouthshire. The Huggets Road, Rogiet Road and Llandevenny overbridges required full reconstruction as part of Network Rail’s plan to electrify the South Wales Mainline. Some of the bridges had reached the end of their serviceable lives and all were too low to accommodate overhead line equipment needed to power the electric trains.

BWB’s Transport and Infrastructure team delivered the detailed highway and drainage designs that would allow for the raising of all three bridges. Working alongside the bridge designers, our designers produced alignments that worked within the available highway land while minimising the impact on visibility and road safety. Our Transport Planning Team also played a key role, carrying out Road Safety Audits for all three structures at Stage 1/2 plus an additional Stage 3 audit for the Rogiet Road bridge.

The 3 existing structures were demolished during Christmas 2016 and the replacement bridges opened to the public the following year.
SOUTH WALES MAINLINE ROAD BRIDGES

KEY CONTACTS

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