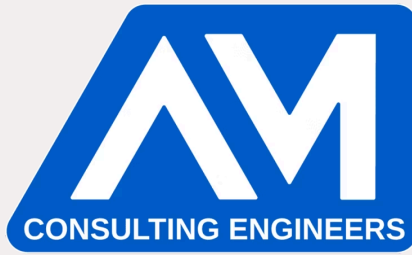




AM Consulting Engineers is proud to deliver a major milestone on the €102m Narrow Water Bridge

At AM Consulting Engineers we're proud to be behind a key milestone in the construction of the €102 million Narrow Water Bridge, with the installation of the fixed span skid track. The temporary structures, designed by our team, now extend 65m into the River Newry from both banks. Led by the main contractor BAM Ireland, the work marks a significant engineering advancement on the transformative cross-border infrastructure project connecting Counties Down and Louth.



Engineering at scale

155t

Steel-beam skid track system

2,245t

Total loads

138m

Cable-stayed deck

Plus a 98.6m pylon and 56m opening bascule span

Complex temporary works by **AMCE**

Structural Design

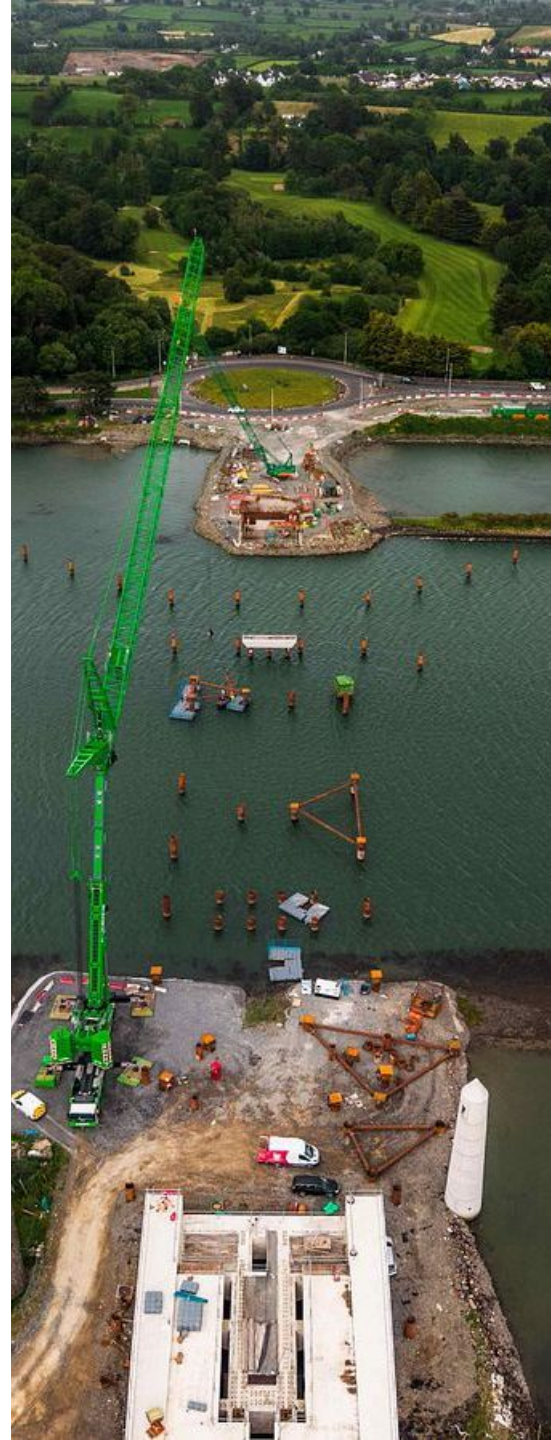
Framework engineered to handle deck loads, wind, tidal forces, mooring, and braking forces as 870-tonne pylon sections slide into position.

Geotechnical Challenges

Variable riverbed topography required a low-level propping frame and concrete base plugs to ensure reliable pile performance.

Sustainable Approach

Temporary works were specifically designed to interact with permanent abutments, minimising steel use while maintaining buildability.



"The construction of the Narrow Water Bridge is a complex and challenging project. It requires careful planning and coordination and can only be successfully delivered with engineering excellence and collaboration. AM Consulting Engineers have been a key delivery partner and their temporary works design capability has been integral to constructing critical elements of the bridge installation infrastructure. We are extremely pleased with the progress made so far on this project, and we look forward to the next stage of this transformative development."

John Lucy, Director of Civil Engineering, BAM





A landmark project in motion

Fabricated by Jamestown Manufacturing in County Laois, the skid track is supported by a series of temporary steel piles, also designed by AMCE and installed by Quinn Piling Limited from Co Down. The structure will play a critical role in enabling installation of three bridge sections which are being fabricated in Belgium by Aelterman BV and installed by Sarens.

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