NEW ICONIC CROSSING ACROSS THE SCIOTO RIVER, OHIO
CONNECTIVITY AND INCLUSIVITY

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Dublin Scioto River Bridge, Ohio, USA

The Scioto River Pedestrian Bridge opened in spring 2020 following an extension design, planning and construction process. This major suspension structure is located in Dublin, Ohio. The team who realized this iconic structure included the City of Dublin Ohio, Paul Endres of Enderstudio, TY Lin, Kokosing, Baker, SBP and Redaelli.

This pedestrian and bicycle bridge provides a new connection between the Riverside Crossing Park on the east side with Dublin’s beloved historic district over the Scioto River. This crucial new link brings together two communities and “serves as landmark for the City of Dublin landmark representing connectivity and inclusivity” the words of Dublin’s Deputy City Manager.

232 metres long, 4.3 metres wide, the bridge has a 153 metre long suspension span in a reverse curve. The bridge is characterized by the needle shape concrete mast, the “S” shape deck and the cable hangers that connect to only one side of the deck. The large diameter main catenary cables are split and connected at the mast top with a neat connection avoiding the need for a traditional large saddle casting that was deemed to have been visually obtrusive.

Redaelli designed, manufactured, supplied and installed the two main catenary cables, the tie down cable, and the hanger cable system including clamps and specifically designed spherical pins and washers to accommodate any rotations between the cable sockets and the anchor plates under live load events.

Fig. 1. Final stage of cable installation

Fig. 2. Mast top with split main catenary cables