# Worcester Connect2: Diglis Walk and Cycle Bridge

*In December 2007, Worcester residents successfully voted to make the Diglis Bridge a reality by voting for the Sustrans Connect2 bid during the Big Lottery Fund's 'Living Landmarks: The People's Millions' competition'. The Diglis Bridge will be positioned just south of Diglis Island, linking to Weir Lane footpath on the west side and Navigation Road on the east side. The Bridge and the supporting g links will provide vital routes for Worcester, Malvern and Powick residents. The Bridge will connect Powick and Lower Wick with the city centre, using Route 46 of the National Cycle Network and will also significantly enhance links between St Johns and Cherry Orchard, Red Hill and St Peters.*

## Site Works Bulletin - May 2010

Works on site this month:

The ramp foundations to both banks are now complete. Work will be ongoing to the abutments and back cable stay anchor, the first works above ground level! The reinforcement and shuttering will be placed ready for the concrete to be poured in mid May. This will form the abutments, or leaf piers, that the bridge deck will rest on and the cable anchor for the pylon. The west bank abutment and anchor foundation will contain around 150 cubic metres of concrete, equating to approximately 30 lorry loads!

Work will also continue this month on the fabrication of the bridge sections. The Bridge is being fabricated at Rowecord in Newport and Baglan, South Wales. The 26 metre high 'A' shaped pylon will be the first element to be completed and is due to arrive on site in mid to late May. It will be positioned by a 300 tonne crane on the newly cast concrete abutment and attached using 16 no. 1.5 metre long steel holding down bolts (8 no. to each leg).

The pylon will then be attached to the anchor blocks using 8 no. 56mm diameter solid steel Macalloy bars (4 no. to each leg). The bars will be lifted into position using a 100 tonne crane. To ensure that they don't snap under their own weight, each bar is fitted into a protective cradle before being lifted into position. This operation should take approximately one week. Once the pylon is in place and supported by the Macalloy bars, the deck sections can then be lifted into place, which is programmed for early next month.

Pouring the concrete into the east bank ramp trough foundation wall

The west bank abutment & anchor block foundation, before concreting

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