

SELLY OAK FOOTBRIDGE

Design & Build (JCT) of a new pedestrian bridge at Goodman's Yard across the Worcester & Birmingham Canal. Works included fabrication of the bridge construction of reinforced concrete abutments along with extensive public realm works, surfacing and lighting to provide safe access to a new Sainsbury's supermarket for residents.

The working sites, in the centre of Selly Oak were accessed on the East side of the canal via the very busy Bristol Road and on the west side via a service road to a new Unite Student accommodation block requiring just in time delivery logistics as there was restricted room to store materials. Pedestrian access also needed to be managed as the existing towpath also crossed the site.

Sequencing of works was integral to a satisfactory project due to the above restriction with prestart stakeholder negotiations, licences and service diversions being undertaken by Land & Water. Design development was managed with our preferred design consultant Tony Gee LLP

Piling mats were constructed for each abutment to enable the construction of reinforced concrete Sectional Flight Augured piles. The reinforced concrete abutments were then cast. Ramps, retaining walls, with pumped foam concrete infill poured in 1m lifts were constructed next. Precast concrete stairs were cast in situ on site and installed, this was all made ready for the bridge installation.

The bespoke bridge, fabricated off site by SH Structures, was lifted into place by a 500t crane during a canal stoppage period. Final details were completed to the bridge and access structure.

Finally, landscaping and specialist fencing were installed along with drainage and power supply for bespoke lighting completing the public realm works with tarmac and resin finishes.



Project Particulars

Client: Harvest 2 Selly Oak Ltd
May 2019 - November 2020



PROJECT VALUE: **£1.8M**