

## SALTLEY WEIR HS2

Land & Water Services (LAWS) were awarded this contract to design, supply and install a new weir on the Grand Union Canal (linking to the Birmingham & Warwick junction canal), this enabled works to continue with the new HS2 rail link.

This project required review meetings with the Canal & River Trust (CRT) and other stakeholders before commencing the detailed design, and liaison with the Environment Agency with respect to ground and groundwater contamination.

The scope of works was to relocate an existing weir to allow construction of a new HS2 asset under bridge. The tender stage concept design was developed through a design process by LAWS and Tony Gee & Partners to allow effective relocation of the weir. Works included:

- Design surveys and samples to determine final designs of the new weir and its connection to an existing canal feeder system.
- Scour protection works.
- Temporary ground and water monitoring designs.
- Silt curtain installation to the canal.
- Removal of contaminated silt (significant metal content). This was disposed of off-site at a suitable waste facility.
- Temporary Works including a sheet piled cofferdam.
- Dewatering of the works area.

Permanent works included the excavation of the new weir and construction of reinforced concrete structure along with drainage and connection to an existing outfall point. Timber barrier installation including material procurement to specification. Metal work was also constructed including handrail access, ladders and trash screen.



### Project Particulars

Client: Balfour Beatty-Vinci (BBV)  
April - November 2022

PROJECT  
VALUE:

**£904,500**