nu-flex

Flexible Paving Solutions

CASE STUDY:
Managing Invasive Plants

Project: The Valley Of Stone

Provision of porous, flexible surfacing

Client: Lancashire County Council
Procurement: Open Tender
Location: Bacup, Lancashire
Date Undertaken: 2017

PROJECT OUTLINE:

This project required the construction of a shared usage bridleway using our 'nu-flex' recycled, porous surfacing process, including the provision of all associated civils work and was designed to eliminate the need for any form of kerbing/edge restraint.

This scheme has seen the transformation of what was a disused Victorian railway line through a river valley, into a shared usage bridleway. This has been delivered in extremely challenging circumstances where significant environmental, ecological, engineering and operational challenges were overcome.

Our technical staff developed an ecological method statement which was deployed to ensure excavated material was carefully managed to prevent the spread of invasive plant life such as Himalayan Balsam.

Specialist root barriers were carefully introduced to prevent any areas of Japanese Knotweed from spreading.

Nu-phalt Contracting construct a shared usage bridleway with nu-flex recycled, porous surfacing at Britannia Greenway, Lancashire. Our teams demonstrated how they can work with care to prevent the spread of invasive plant life.

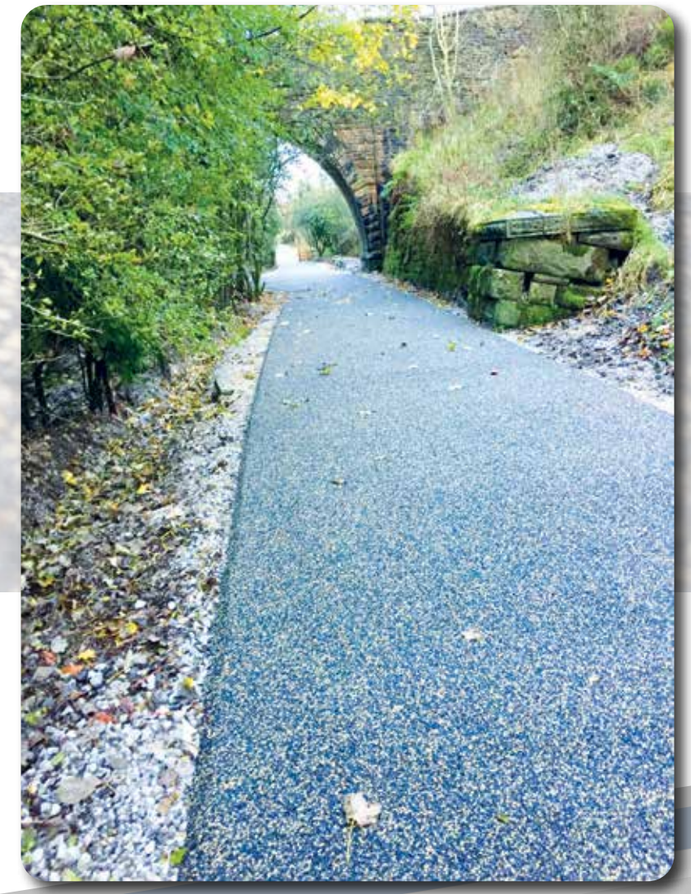
PROJECT CHALLENGES:

Environmental – Protection of the environment from possible spillages of binder and materials during the mixing process. Management against the spread of invasive plant species. Working in extreme conditions.

Ecological – The bridleway was known to be a home for nesting birds, amphibians and other animals. Areas of Himalayan Balsam and Japanese Knotweed were identified and carefully managed. Our staff worked in co-ordination with the client's ecologist.

Engineering – Severe flooding from moorlands compounded by adjacent water courses required specific engineering design solutions to ensure the route remains operational in extreme weather conditions.

Operational – The presence of adjacent watercourses made laying difficult. Access was restricted and operations could only be fed from one end at a time.



The Client:
'A number of the sites we had Nuphalt working on were ecologically sensitive and there were a range of issues to deal with including invasive species and protected species. Nuphalt worked closely with us to agree suitable method statements and the associated working practices. We were also very impressed by their approach to health and safety. They had a great attention to detail which inspired confidence in their ability to work on sites that are heavily used by the general public. *Tony Lund, Senior Environmental Project Officer*

PROJECT OUTCOMES:
The finished project is an excellent example of how to deliver high standards of work whilst carefully managing environmental and ecological impacts.

BENEFITS:
The asset manager and end-users alike have welcomed a number of benefits including;

- Well drained surface due to porosity of the material
- Resistance to slipping due to the type of materials used
- Significant reduction in the effects of ice and snow
- Surface is excellent for horse riders and cyclists
- Innovative recycled material

Contact us

T: +44 (0)8442 571 570
F: +44 (0)8442 571 572
E: info@nu-flex.co.uk

nu-flex
Parkfield Road Industrial Estate
Parkfield Road, Rugby
Warwickshire
CV21 1QJ

www.nu-flex.co.uk

nu-flex
Flexible Paving Solutions

EXCLUSIVELY FROM

nu-phalt contracting