



## **‘Transforming the Trent Valley’ Landscape Partnership Scheme**

### **Specification for hydraulic modelling and outline designs contract for the Branston Leas River Restoration Project**

#### **Summary**

Our Partnership is looking for consultants with proven experience in hydraulic modelling, river restoration scheme design and flood-risk management.

#### **Overview**

This is a National Lottery Heritage Fund Landscape Partnership Scheme that will be delivered over 5 years between April 2019 and March 2024. Our Landscape Partnership comprises 18 Board members including statutory bodies, voluntary organisations and quarry companies from across Staffordshire and Derbyshire. We have joined together under a common vision to create wildlife-rich waterways and wetlands at the heart of a resilient, accessible, beautiful and culturally rich Trent Valley.

Staffordshire Wildlife Trust (SWT) is the lead partner and accountable body for the scheme.

This project will be funded by the Environment Agency as complimentary habitat enhancement alongside their Burton Flood Risk Management Scheme.

#### **Background to the ‘Transforming the Trent Valley’ Landscape Partnership Scheme**

Transforming the Trent Valley (TTTV) is an evolution of a pre-existing partnership of Staffordshire-based organisations (known collectively as the Central Rivers Initiative) with an interest in the Trent Valley. This former Staffordshire-focused landscape has expanded to include Derbyshire and a wider partnership base. Covering 200km<sup>2</sup>, the landscape focuses on the River Trent and its tributaries (River Tame and River Dove) between Rugeley, Tamworth, Uttoxeter and South Derby.

TTTV is a fluvial landscape, distinguished for its sand and gravel quarries, former gravel pit lakes, wildlife-rich flood plains, pastoral farming and miles of river and canal networks. The area is both naturally and culturally rich in character and yet is under extreme industrial and developmental pressure.

The TTTV Partnership will be delivering sixteen projects that work towards achieving our vision for the Trent Valley and contribute towards our three core themes:

**Connecting Communities through Action:** a selection of community focused projects that encourage participation, volunteering, education, training and well-being;

**River Valley Connections:** projects that focus on physical access to the landscape through walking, cycling and paddling, and intellectual access through information and interpretation;



**Transforming the Landscape:** a range of projects that have the cultural and natural heritage of the landscape at their core looking to preserve and protect these assets for posterity. The focus is on the River Trent and its floodplain.

## Specification

Staffordshire Wildlife Trust through the Transforming the Trent Valley Partnership scheme are working closely with the landowners (St. Modwen Properties Limited) to deliver a suite of habitat enhancements to the Branston Leas site (see appendix 1). The area will continue to be accessible to the public and enrich the environment for people and wildlife alike.

The site is situated in the River Trent floodplain and there is the opportunity to restore some of the naturally found wetland habitats which have largely been lost across the UK over the previous century. We intend to enhance the River Trent marginal and bankside habitat, creating shallows to help support fish and invertebrate populations. Here we are looking at enhancing approximately 790m of the river bank at areas marked on the map in appendix 1 as 2 and 3.

It is aimed that this work will be delivered on the ground from July 2022 onwards.

We would require all prospective contractors to visit the site prior to making a quotation.

This project is funded by the Environment Agency and will delivered by Staffordshire Wildlife Trust.

## Site location

The site is situated roughly 2 miles south of Burton-on-Trent alongside the river Trent. The nearest access is off Riverside Drive DE14 3EP. Maps are attached showing the site boundary. The site is predominantly grassland with a young tree plantation in the north and scattered ponds.

## Branston Leas River Restoration Design Specification

The objective here is to produce detailed designs for the river enhancement proposals put forward by Staffordshire Wildlife Trust. This will include section drawings for river reprofiling and indicative volumes and levels. Recommendations on the detail of design features based on topography and hydromorphology to be included. There should be hydraulic modelling for the completed designs.

Key tasks:

1. Desk and site-based topographical survey and fluvial audit with recommendations on outline proposals and additional opportunities.
2. Hydraulic modelling including the development of a 2D model of the reach using the EA hydraulic model for the river data and the available Environment Agency LIDAR for the floodplain. This will help to refine optimal dimensions for proposed reprofiling as well as providing evidence that the designs do not pose a flood risk.

3. Development of set of detailed design drawings for informing the wetland construction, summarising the key information for the floodplain enhancements and bankside work. Dimension, levels and volumes to be included.
4. Include Bill of Quantities, outline methods statement and designers risk register.
5. Utilities search across the project area.
6. Pre-work site marking out and onsite supervision during the delivery of the excavation works.

### Quotations

Quotations will be assessed based on their demonstrable value for money. Quotations from consultants who have not visited the site prior will not be considered.

All costs must be shown with the VAT detailed. The successful consultant will be required to submit detailed invoices clearly stating the line of expenditure with the net, VAT and gross costs.

Eligible quotations must include the following information:

Previous experience	Demonstrate your ability to undertake hydromorphological analysis of the river and its floodplain, develop detailed drawings and assess the flood risk of these designs.
Methodology	Details on how you will meet the requirements of the specification, using examples from previous experience.
Suggested timetable of works	Showing key objectives and milestones, taking the specification and scope of the brief into consideration.
Breakdown of costs	Details on how the budget will be used against the requirements of the specification, including a spend forecast.
Added value and additional offer	Please detail suggestions for added value that can you offer to the scheme or additional information or proposals that exceed the specification and scope of the brief.

### Award criteria

Quotations that fulfil the essential requirements will be evaluated on the basis of the most economically advantageous quotation, taking the points above into consideration.

The score for the total cost will be generated as a percentage of the lowest quotation cost using the following formula:

$$\frac{\text{Total cost of lowest quotation}}{\text{Total cost of quotation}} \times \text{Percentage weighting}$$

Criteria	Weighting
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Total cost	25%
Demonstrate relevant previous experience	15%
Quality of proposed methodology	25%
Conformity with specifications	25%
Added value and additional offer	10%

## Timetable

Your quotation for the above works, along with any accompanying information or evidence, should be emailed to [tenders@staffs-wildlife.org.uk](mailto:tenders@staffs-wildlife.org.uk) by **5pm on 29<sup>th</sup> April 2022**.

Only quotations submitted in accordance with the details given within this document will be considered. Any quotations that are incomplete, or received after the time indicated may be disregarded.

If you have any queries relating to this specification prior to submitting your quotation, please email Victoria Bunter clearly stating the nature of your query. The deadline for queries is **21<sup>st</sup> April 2021**. Please get in touch with Victoria if you are considering quoting to arrange access and a walkover of the site.

If you do not wish to provide a quotation for this specification please let us know.

Victoria Bunter  
[v.bunter@staffs-wildlife.org.uk](mailto:v.bunter@staffs-wildlife.org.uk)  
 01889 588150

Deadline for all queries	21 <sup>st</sup> April 2022
<b>Quotation submission deadline</b>	<b>29<sup>th</sup> April 2022</b>
Contract awarded	3 <sup>rd</sup> May 2022
Project initiation meeting	4 <sup>th</sup> May 2022
Finalised detailed design	May-June 2022 (subject to agreement)
Project delivery	July 2022 – October 2023
End of contract	31 <sup>st</sup> October 2023

**Appendix 1: Map of project area; Areas 2 and 3 are the focus of this design specification.**

