Ref: OL-18-06411

External Tender Brief

River Restoration Feasibility and Design- Allesley Green, Coventry (SP 29035 80509)

The Sherbourne Valley Project would like to invite expressions of interest from organisations in delivering the following:

Type of work	Feasibility study, options appraisal and preferred option worked up to detailed design
Location	Woodridge Avenue, Coventry (SP 29035 80509)
Deadline for completion of work	Friday 13th October 2023
Maximum fee	£22,000 (any quote above this will need to be justified in the cost break down)

You are invited to submit an outline method statement including cost breakdown through a formal tendering process for the Sherbourne Valley Project.

The following brief has been devised to inform interested parties about the purpose of the works, the location, the timings, and other requirements.

Background

The Sherbourne Valley Project (SVP) is a Warwickshire Wildlife Trust (WWT) led partnership project funded by, and in partnership with, the National Lottery Heritage Fund (NHLF), Coventry City Council (CCC), the Environment Agency (EA), Severn Trent (ST) and other partners.

We are seeking to commission a feasibility study and options appraisal for delivering a suite of in-channel and bank restoration works along Pickford Brook, a tributary of the River Sherbourne. The stretch of the river in question has been over-widened and deepened and suffers from increased sediment load, which is choking existing gravels. The brook is also over-shaded and, as a result, lacking in floristic diversity.

This project seeks to address these issues through the re-introduction of natural features and processes. This may include narrowing the channel in key places using natural materials (i.e. replicating the natural occurrence of fallen trees) to increase flow energy and encourage localised scour and washing of gravels. It may also include introducing natural silt capture features within the channel and lowering the banks where possible to create 'berm' type features which would improve lateral connectivity, riparian habitat diversity and, again, encourage the deposition of fine sediments.

Key deliverables:

- Detailed desk study and fluvial audit
- Feasibility and detailed options appraisal for potential river re-naturalisation works with preferred option identified and explained
- Presentation of the study to key stakeholders
- Flood modelling for the preferred option
- Detailed design for the preferred option
- Associated documents for delivery of works (method statement, bill of quantities, risk register)

The Brief

The appointed consultant will carry out a feasibility study, options appraisal and detailed design for the site to help understand what scale of river restoration is possible through this stretch. This will be completed in the following two stages:

Stage 1

- Review the site summary included within the supplementary documents
- Complete a detailed desk study (data review and fluvial audit) of the project area using historical, geological and LiDAR maps as well as any flow and flooding modelling data that exists
- Carry out a full site walkover with the SVP Officer (SVPO), ground-truthing desk study finds including the location of outfall drains and carrying out borehole investigations as necessary to complete data collection for the fluvial audit
- Complete an options appraisal for channel re-naturalisation in line with the targets outlined above as well as conversations on site with the SVPO
- Carry out a full utility search for the project area
- Present finds and a preferred option with detailed explanation of reasoning to the SVPO in the form of a report. The report will be prepared in plain English, with a clear explanation of the decisions reached. The report should be prepared in a. format that is usable by project staff and partners
- Attend a virtual meeting with the SVPO and any relevant stakeholders identified by the SVPO to discuss the report and agree on a final option to be worked up to detailed design

Stage 2

- Carry out standard flood modelling for the preferred option (flood risk, hydraulic habitat, bed shear stress)
- Produce the following documents for the final, flood modelled, preferred option for delivery of the works:
    - Detailed design

- Method statement
- Bill of quantities
- Risk register (to include design and proposed capital works)

Timescale

A breakdown of the current expected timescales follow:

Tender brief issued	Thursday 20th July 2023
Tenders returned	9am Tuesday 15th August 2023
Successful contractor appointed	Friday 18th August 2023
Completion of Stage 1	Wednesday 20th September 2023
Completion of Stage 2	Friday 13th October 2023

Considerations

The consultant should consider the following key requirements:

- Any data costs required to complete the options appraisal should be included within the tender quote
- Designs should be produced with an appropriate awareness and consideration of the services and utilities in the area
- Any investigative work and designs should be carried out with an appropriate awareness and consideration of obligations to protected species potentially present on site as stated in The Conservation (Natural Habitats, &C) Regulations 1994 and the Wildlife and Countryside Act 1981 [amended]
- The south side of the brook is easily and publicly accessible, however the north side of the brook is partly privately owned and permissions will be required for any investigative works on this land- liaise with the SVPO to arrange this if needed
- Some stretches of bank on the privately-owned side of the brook are supporting fencing and are being undercut by the brook. Considerations will need to be made for ensuring bank erosion is not accelerated by any of the features in the designs

Expectations

We will expect the following from the appointed consultant:

- Adequate insurance (Public liability/Professional Indemnity) up to the amount of £5m in place for all works undertaken, to indemnify them both during the contract and afterwards should their study, advice or design have any undue adverse impact
- Attendance at a site walkover with the SVPO- to include the current project area and any upstream and downstream areas necessary to have comprehensively mapped the potential influences on and impact of the work.

- Attendance at a meeting with the relevant stakeholders (in this case Warwickshire Wildlife Trust, Severn Trent, Environment Agency and Coventry City Council) as appropriate
- Updates on the feasibility study when requested

Submission Requirements

The format of the submission documents is left to the discretion of the consultant but you are advised to include the following:

- Company information (head office, website details, expertise)
- A statement of the relevance of the skills of the organisation to complete the works- include examples of previous experience if relevant
- A full cost breakdown for the works
- Mitigation measures

Payment Schedule

WWT will pay the appointed contractor on completion, receipt and sign off of the work

Supporting Documents

All documents must be read and used in conjunction with this brief to inform the tender submitted.

S1	SVP Area Action Plan (Section 2- Aims, Vision and Strategy)
S2	Site Summary

Contact

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