

**Request for Proposals for Engineering Design USFWSs
Implementing Priority Fish Habitat Restoration Projects
Salmon River Phase 3**

April 15, 2024



USFWS / FLOWPA

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Attachments – Site location map

Timeframe: April 1st, 2024 – September 30th, 2025

Bids Due: May 16th, 2024

A job showing is not scheduled for the project. However, interested firms are encouraged to visit the site. The site is public access (NYS DEC owned), so no permission is required to visit the site. Access is easiest from the Trestle Pool parking areas, either North or South.

OVERVIEW

The US Fish and Wildlife Service (USFWS) and Finger Lakes Lake Ontario Watershed Protection Alliance (FLOWPA) is seeking a qualified and professional engineering firm with expertise in ecological restoration to work with the USFWS to complete a stream restoration design using natural channel design methods. The project is located on the Salmon River in the Town of Albion, Jefferson County NY. The design will include using appropriate structures to stabilize banks, reduce width-depth ratios and generally improve biological function in the stream reach. The project should include the installation of large wood structures to enhance in-stream habitat.

QUALIFICATIONS

Firms should have relevant experience regarding the outlined tasks/skills listed below. The selected firm will work in coordination with USFWS to generate deliverables described in the Scope of Work.

1. Firm shall be licensed and certified to do business in the state of New York
2. PE shall be licensed in the State of New York
3. Firms must have demonstrable skills to complete the following:
 - a) stream topographic survey
 - b) geomorphic assessment to identify i) design flow, ii) design channel dimensions and profile;
 - c) Recommend necessary streambank protection, channel bed stabilization, and stream habitat improvement
 - d) channel grade stability analysis using equilibrium slope or other methods;
 - e) scour analysis;
 - f) streambank protection, channel bed stabilization, and/or stream habitat improvement and management design drawings
 - g) experience designing natural channel design projects

SCOPE OF WORK

The firm shall provide all labor, equipment, materials, supplies, insurance, etc. necessary to complete the following engineering services:

Assessment-

The proposed project will require the selected firm to conduct all necessary topographic and GIS surveys required to develop the following deliverables:

- 1) A complete georeferenced and base mapped topographic survey of existing site conditions in PDF, dwg and shp file formats.
- 2) Geomorphic, watershed and natural resource assessment including hydraulic and stability analysis.

Design-

The intended purpose of the project is to develop construction ready design plans to be used for construction in July 2025. Accordingly, the selected firm should provide USFWS / FLOWPA with all necessary design components for the provided conceptual plan*.

- 1) 30% Design Plans in .dwg, PDF formats by **October 1st, 2024**
- 2) 75% Design Plans in .dwg, PDF formats by **January 6th, 2025**
- 3) 100% Design Plans in .dwg, PDF formats by **February 27th, 2025**
- 4) Construction Cost Estimate in .xls, PDF format
- 5) Bid Specification and Quantities Document in .xls, PDF formats
- 6) Prove as-built drawings / report by **September 30th, 2025**

FORMAT OF RESPONSES

Please respond to this request with the following:

- A cost estimate for completing the required work by **May 16th, 2024**

RESPONSE DELIVERY

- Interested firms are asked to reply with the above information to USFWS / FLOWPA by the end of business **May 16th, 2024**. All responses shall be delivered electronically to **Gian Dodici gian_dodici@fws.gov**

VENDOR SELECTION

USFWS / FLOWPA will evaluate proposals based on a firm's qualifications/relevant experience and overall price. USFWS / FLOWPA will not employ a point system for the above criteria but will select a proposal based on professional consideration of all criteria collectively.

The Bidder proposes and agrees, if the Bid is accepted, to enter into an Agreement with USFWS / FLOWPA to perform items as specified, within the times indicated in this bid package. USFWS / FLOWPA reserves the right to waive any informalities in or reject any and all bids or to accept the one that in its judgement will be in the best interest of the project.



