

SPECIFICATIONS

The Kansas Department of Agriculture (KDA), Division of Conservation is looking for contractors who can provide On-Call Engineered Design Services for streambank stabilization and restoration projects. The purpose of this solicitation is to select several Contractors who can provide these services. These services would include project site surveys, stabilization and restoration design, project construction oversight, and project checkout. The contractor does not necessarily need to be an engineer themselves but must have the capability to provide engineered stamped plans for assigned projects. Project focus areas are currently the watersheds above Tuttle, Perry and John Redmond reservoirs.

Interested parties must be familiar with Natural Resources Conservation Service (NRCS) practice standards and practice statements of work for conservation practice 580 (Streambank and Shoreline Protection), 342 (Critical Area Planting), 484 (Mulching) and 410 (Grade Stabilization Structure) and other related Streambank Stabilization Practices. Interested contractors must be able to show extensive experience of providing these services on river systems in Kansas and include this information in their proposal. See the attached list of qualifications below.

The contractor(s) will agree to provide engineering services as required and requested by KDA Division of Conservation (DOC) for a period of 5 years with options to renew on an annual basis from the date of the signed contracts. Services will be provided on a timely basis. No work will be done without the authorization of KDA, Division of Conservation. The Contractor agrees to provide qualified personnel to provide these services. All work conducted will be performed under the direction of an engineer that has been licensed to practice in the State of Kansas and pursuant to the current Building Design and Construction Manual of the Department of Administration and the Natural Resources Conservation Service (NRCS) practice standards as stated above.

In consideration for the satisfactory completion of the services discussed above, DOC agrees to pay either a lump sum negotiated fee for an assigned project, or a fee in accordance with the hourly rates schedules that will be submitted with each Contractors proposal. Projects under this contract shall not exceed **\$500,000 per Project** without the prior approval of Director, Office of Procurement and Contracts. A project can involve several locations. Upon the completion of the survey and design of each project, including the operation and maintenance plan for each project for practice 484 (Mulching) and 342 (Critical Area Planting), 65% of the design services cost including conservation practice 580 (Streambank and Shoreline Protection) and practice 410 (Grade Stabilization Structure), if applicable will be payable after invoices have been provided to the appropriate DOC personnel.

The remaining 35% will be payable upon construction completion, as-built survey and certification of Conservation Practice Standard 580 and practice 410, if applicable, after the invoice has been provided to DOC. The Contractor will not be responsible for practice 342 and 484 installation and checkout.

Pursuant to KSA 75-1258(a) as amended, the Contractor shall obtain and maintain professional liability insurance. The amount of professional liability insurance shall be \$250,000.00 and shall provide coverage for the Contractor and all consultants, agents, independent contractors, etc., which are employed or retained by the Contractor for work on projects. A certificate of this professional liability insurance shall be given to the Department of Administration and updated annually.

Pursuant to KSA 75-1258(b) as amended, the Contractor (Project Engineer) shall be responsible for each engineer's negligent acts, errors, or omissions in the performance of the project(s).

DOC will contact one of the On-Call Contractors with a proposed project. The Contractor will submit their proposal with a detailed cost outline and lead time. Once the proposal is received, DOC will review it and notify the Contractor to proceed if it is acceptable.

It will be agreed by the parties that all printed or electronic plans, drawings, specifications, or other documents prepared shall remain the property of the Contractor. Copies of all documents, including record drawings will be provided to the KDA, Division of Conservation.

Each project survey and design will conform to NRCS Conservation Practice and Standards as discussed earlier. They are found in Section IV of the electronic Field Office Technical Guide (eFOTG). Designs will include documentation necessary to meet the applicable standards and statements of work (SOW) which is also in the eFOTG. The construction specifications, operation and maintenance plans and general notes included in drawings, will be provided to the appropriate DOC personnel, prior to the start of any project. The documentation will include a signed statement by the Contractor stating "To the best of my professional knowledge, judgment, and belief, these plans meet applicable NRCS standards."

The DOC is required to secure all necessary permits, including those from the US Army Corps of USACE); the Kansas Department of Agriculture, Division of Water Resources; and the Kansas Department of Health (KDHE) specifically, a stormwater discharge permit (when appropriate. A KDHE Stormwater Pollution Protection Plan will be developed for each project. This plan would minimize the possibility of adverse actions resulting from a complaint during the construction period.

The Contractor shall provide application assistance and all information necessary to acquire any and all State and Federal permits as applicable. After all necessary permits have been obtained for each project, a pre-construction meeting shall be held with the designer, DOC, and the contractor performing the work. The Contractor or his designee shall stakeout the practices and provide sufficient on-site inspection to address any problems that may arise during the construction and final checkout of the structures designed under the project.

Following completion of the construction of the practice 580 and practice 410, if applicable, as-built drawings (these are frequently the original drawings with changes shown in red ink) along with a signed statement by the Contractor (Project Engineer) stating "To the best of my professional knowledge, judgment, and belief, the installed practice(s) meets applicable NRCS standards and is in compliance with permits" will be provided to the appropriate DOC personnel within thirty (30) calendar days of the final checkout. It is further agreed that the DOC may use these documents as reference material for subsequent projects without obtaining the permission of the Contractor. The Contractor also acknowledges that the services provided are of non-exclusive nature and the DOC is not restricted from contracting with other parties for the performance of similar services.

POC for Division of Conservation is:
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Required Qualifications for On-Call Engineered Design Services applicants include:

- An understanding of river processes and the application of fluvial geomorphology and restoration principles
- An understanding of biology, ecology, aquatic ecology and ecosystems-based habitat restoration
- An understanding of river engineering in the context of fluvial geomorphology and ecology and the application of engineering services to river and stream restoration with specific focus on development of bioengineered/vegetative stabilization and river restoration practices including experience with stream bank stabilization options & techniques such as the Rosgen Stream Classification method and other commonly accepted best practices.
- Experience developing conceptual, construction-ready and as-built designs for river restoration projects (Ex. Natural stream channel design, vegetated streambank stabilization, bioengineering practices) and riparian restoration including appropriately “stamped” drawings as applicable
- Experience with hydraulic and hydrologic analysis and modeling
- Successful preparation of federal and state permit applications and associated plans for river related projects
- Ability and willingness to build upon previously developed assessments, adjust design concepts and work with local and state officials to meet project goals.
- Ability to perform/provide proper topographical surveys and related information
- Experienced in providing, hiring or collaborating work product with qualified geotechnical professionals as needed for design and project completion.
- Experience providing effective presentation of project related information to the public
- Experience working with multiple stakeholders including landowners, state and local agencies/boards and project administrators related to reporting site specific project details before, during and after construction
- Successful preparation of bid documents and demonstrated effectiveness facilitating pre-bid meetings, site visits and all related correspondence
- Construction oversight of contractors implementing plans, design specifications and meeting permit conditions for river-related projects
- A demonstrated ability to meet project goals within the projected timeline including timely response to initial solicitation from the agency.
- Respondent must show proof of registration and/or certification with the Kansas State Board of Technical Professions for applicable work classifications
- 10 or more years of experience in stream bank stabilization and erosion control (15 or more preferred)