

City of Kent
Request for Proposals
Feasibility Study and 30% Design Plans
Downey Farmstead Restoration
(Proposals Due By 10:00 AM, June 24, 2009)

The City of Kent is requesting proposals for professional consultant services for the purposes of preparing a Feasibility Study and 30% Design Plans. The tasks covered in the description below represent the City's needs for this work.

Project Description

The Downey Farmstead Restoration Project is located along Frager Road S. in Kent, WA along the south bank of the Green River from RM 21.7 to 22.2. Four parcels totaling 21.81 acres are owned by the City of Kent. This project includes creation of floodplain storage and side channel refuge habitat parallel to the Green River to increase habitat for Chinook and other salmonids and to restore floodplain functions. Included will be removal of invasive plants, adding native riparian re-vegetation and installation of woody debris structures along the created side channel. The proposed side channel would be approximately 2,000 feet long. The new channel bottom would be below typical low flow conditions. The land remaining between the new side channel and the main Green River channel would be lowered to provide floodplain function for the Green River. It also would include large woody debris and numerous native plants to enhance habitat. Level I and II Environmental Assessments have been completed on the three parcels on the south side of Frager Road (May 2008). Testing revealed some mild surface contamination which the City is in the process of cleaning up. Additional testing will be required to evaluate re-use or offsite disposal of excavated material. Frager Road S. will be relocated to the south prior to excavation of the new side channel or the floodplain storage area. Additional site information will be provided upon request.

Project Tasks

1. Soil chemistry tested to ensure soil can be reused on site, assess soils and slope stability on both side channel and Green River.
2. Soil study to assess on site soil conditions that would affect design and/or feasibility of this project.

3. Hydraulics study to determine the location and feasibility of connecting a side channel to the main stem of the Green River, examine issues of sedimentation and maintenance of the channel.
4. Hydraulic and geotechnical analysis of the banks of the side channel and south bank of the Green River and feasibility of reshaping and restoring the banks to provide stability for restoration and enhancement of fish habitat.
5. Analysis of biologic benefits for salmonids and other wildlife species, life stages and time of year with focus on salmonids.
6. 30% design of project proposal (also preliminary project design) – Preliminary designs are intended to advance one or more concepts from the feasibility stage to a detailed understanding and quantification of all the major project elements. The person or team completing the preliminary project design should include at least one licensed Professional Engineer, who would be qualified to follow through with the final project design. While the detailed scope of each project's preliminary design process is unique, in general the process typically involves some or all of the following activities:
 1. Preparation of surveyed site plans (City will provide survey data including bathymetry data)
 2. Field investigations of hydrologic, geotechnical , and other site conditions
 3. Data analysis and preparation of drawings and designs (CAD software(AutoCAD or similar))
 4. Preparation of engineering cost estimates and a design report
 5. Preparation and submittal of required permit applications (optional)
 6. Cultural resources review

The preliminary design report (with drawings) shall be prepared sufficiently for project permitting as an attachment to applications for JARPA, FPA, USACOE, and/or other required permits. This reference document should also have adequate details and cost information for adjustment of the project construction budget.

Timeline (estimate)

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| 1. Proposal submitted to City | 06-24-09 |
| 2. Data gathering, feasibility study, hydrologic and geologic studies | 08-01-09 |
| 3. Draft feasibility report submitted with 30 % design (completion) | 04-01-10 |
| 4. Final feasibility study & 30% design documents (completion) | 06-01-10 |

Qualifications

Consultant must have extensive experience in environmental science and codes, geotechnical science, hydrology, hydraulics, flood modeling, planning, design of capital improvements as well as fish and wildlife habitat projects. Firms must also have performed similar work for other communities and possess a strong knowledge of the City of Kent and King County Surface Water Design Manuals, Kent City Codes and federal requirements.

Submittal Requirements

Submittals should include an original copy (so marked) and four (4) copies of their proposals, signed by the consultant's contractually binding authority and must include the following information:

- 1) Firm name, phone and fax numbers
- 2) Name of Principal-in-charge
- 3) Project Manager
- 4) Number of employees in firm proposed to work on the project.
- 5) Resumes of principals and key personnel who will perform the work and information regarding their availability for the duration of the contract.
- 6) Consultant's plan of action and recommendation of deliverables including Key Milestones.
- 7) Tentative scope listing major tasks and proposed team members by task.
- 8) Project team organization chart and resumes including identification of proposed subconsultants.
- 9) Challenges associated with completing the project by June 1, 2010.
- 10) References of satisfied customers from similar work projects from the last 3 years. References should include the name, phone number, and email address of the contact person, plus a brief description of the project.

The proposal must be typed and bound and be no more than 20 pages in length (front/back) excluding the cover, index, divider sheets, resumes, and references.

Proposals shall be submitted to the City Clerk's office, City Hall, 220 Fourth Avenue S., Kent, WA 98032, by **June 24, 2009 no later than 10:00 AM**. No submittals will be accepted after that date and time.

The City will notify the selected firm in writing within two weeks of receiving the proposals.

Any questions regarding this project should be directed by e-mail to Joe Fielding, Environmental Engineer, at (jfielding@ci.kent.wa.us) by 4:00 PM on June 17, 2009.