

PLATTE COUNTY, WYOMING

REQUEST FOR PROPOSAL

TO PROVIDE PROFESSIONAL ENGINEERING DESIGN SERVICES FOR THE PHASE III PALMER CANYON ROAD BRIDGE AT THE LARAMIE RIVER

March 7, 2018

The Platte County Commissioners hereby request the professional civil engineering services described in the attached SCOPE OF WORK. Qualified firms are invited to submit a cover letter of interest, five (5) copies of the proposal, two (2) flash drives and one sealed envelope with the firm's fee schedule and cost estimate to:

Contact: Chairman Steve Shockley

Address: Platte County Commissioners
P.O. Box 728
Wheatland, WY 82201

Proposals due March 27, 2018 at 4 p.m.

Proposals should be limited to 8 ½ x 11 sheets for a maximum of twenty, one (1) sided, total pages, not including the cover letter, or proposal cover and back sheets. Proposals may be stapled in the upper left hand corner without binding to save printing costs. The Platte County Commissioners will select the consultant from those responding to this request.

Contracts will be between the consultant and Platte County, and contracts will be sent to the Platte County Commissioners for approval. All proposals received will be considered public information by the County. Consultants are advised that any information considered by them to be trade secrets, privileged or confidential data, should not be revealed in the proposal, and should be submitted in a separate envelope labeled "Confidential".

Non-confidential contents of proposals received will be made public and available to anyone requesting them after the selection process has been completed, and the contract has been awarded.

CONTENT AND FORMAT OF SUBMITTAL

1. **Cover Letter** – One (1) page
2. **Firm Background and Qualifications** – One (1) page
3. **Project Approach** – One (1) Page. Briefly describe the way your firm or team would address the work outlined in this request or such additional work as you feel required to address this request.
4. **Project Team** – One (1) Page. Team matrix outlining major project team members including any sub consultants, brief bios, positions and responsibilities on the team and percentage of each member's time dedicated to the project
5. **Schedule** – One (1) page. In either a Bar or Gantt Chart format, outline the proposed schedule with key milestones and meetings to accomplish the project work scope.
6. **Team Experience** – Present representative projects outlining, at a minimum, project names, locations, scopes of work and project references.
7. **Other Information** –
 - Modifications to SCOPE OF WORK** – Propose any Scope of Work modifications deemed necessary, based on your firm's experience with similar projects.
 - Any other pertinent information** – Present any additional information your firm believes would be useful to the selection committee.

SELECTION and PRE-QUALIFICATION PROCESS

Proposals will be reviewed by the Platte County Commissioners and will be selected based on the most qualified firm. The County will then negotiate a specific scope of services, fees, and schedule with the selected consultant.

If no applicant is deemed suitable for the work, the County reserves the option to re-bid the job. The compensation discussed with one firm will not be discussed or disclosed with others.

COST

Platte County has funds budgeted for this project and reserves the right to amend the budget, if necessary. The final budget will be dependent upon the specific Scope of Work and the negotiated fee schedule. Negotiations could focus on adjusting the Scope of Work. If the Consultant feels that portions of the work could be done by County staff with a commensurate savings to the County, those particulars should be mentioned in Section 7, Other Information, Modification to SCOPE OF WORK of the proposal.

PROJECT BACKGROUND

Flooding in 2015 caused major damage to the Palmer Canyon Road and drainage structures at the Laramie River crossing approximately 9 miles west of Wheatland, WY. The existing structures in the main channel in addition to drainage east of the main channel were washed out during this event. After the flooding AVI Professional Corporation with assistance from Anderson Consulting Engineers, Inc. and Terracon Consultants, Inc. prepared a preliminary structure selection report including a hydrologic and hydraulic analysis (Anderson) and geotechnical report (Terracon) of the

site. Following the flood, Platte County installed a one-lane single span bridge on a temporary foundation over the main channel of the Laramie River.

The reconstruction of the bridge has been phased as follows and Phase I and Phase II have been complete. Phase I included replacing the damaged crossing over the main channel of the Laramie River with a bridge set on temporary foundations. Phase II included replacing corrugated metal pipe culverts with a concrete U-culvert in an auxiliary channel that experienced flows during high water events. The scope of Phase III is to replace the temporary foundations installed as part of Phase I with permanent foundation. The future Phase IV of this project includes widening of the bridge from a one-lane bridge a two-lane bridge.

PROJECT OBJECTIVE

The primary objective of the Phase III Canyon Road Bridge Design at the Laramie River project is to design a permanent foundation that will replace the current shallow temporary bridge foundation. Additionally, the design of should consider constructability, an efficient channel geometry that maximizes passable flow and minimizes destructive hydraulics, the foundation requirements for the future Phase IV, road downtime and detour requirements, and cost effectiveness.

SCOPE OF WORK

Permanent Bridge Foundation Design and Construction Plan:

Platte County requests professional engineering design services to design the removal and replacement of the existing Palmer Canyon Road Bridge temporary foundation with permanent foundation. This includes:

1. A cursory analysis of multiple foundation options accompanied by a comparison of an order of magnitude (OOM) cost estimate to the level of flood protection for each e.g., design option 1 OOM cost estimate is \$XX and may pass the 50-year storm flows, design option 2 etc..

After the first item on the scope of work is complete the consultant will discuss the results with the Commissioners. One option will be selected and shall become the basis of the future design.

2. Design the selected permanent bridge foundation option. This design will facilitate Phase IV: the planned bridge widening portion of the project;
3. Analyze the feasibility of constructing the design with minimal disturbance to the bridge superstructure;
4. Detour routing plan if the duration of the road closure warrants; and
5. A project construction cost estimate and timeline.

DELIVERABLES

1. Design report narrative - detailed design plans and specifications.
2. Implementation strategy – a discussion of the design implementation methods and timeline.
3. A detailed total project cost estimate including phased costs, if recommended. This deliverable will include a separate preliminary cost estimate of the above mentioned Phase IV.
4. Final design documents – (5 print copies).
5. Electronic file copies of final design and supporting documents attachments, maps, etc. created for this project – (2 flash drives).

These deliverables will be provided to Platte County for use as construction design plans and specifications. The Consultant is expected to have an open line of discussion with County officials during the design phase which may include, but are not limited to, attending County Commissioner meetings. At a minimum, the consultant will be expected to provide a brief summary of design considerations to the Commissioners during a pre-project meeting. In addition, the Consultant should provide regular progress updates to the County.

Platte County will make available various existing data, studies, reports and project information which the Consultant will use to the greatest extent possible. There is prior technical information and reports detailing the site available from the office of the County Clerk. These data and reports include hydraulic and geotechnical data collected during previous project phases. If the Consultant believes additional or new data is necessary, this should be addressed in the Proposal. The Consultant will also prepare such graphics and other maps that may be needed to illustrate proposed recommendations. The Consultant will be responsible for preparing the design and recommendations in report format, with supporting graphs, drawings and maps.

SCHEDULE

The construction phase of this project will be completed during periods of low flow in the Laramie River typically occurring during late summer through fall. To try and meet this construction timeline the County requests that the project timeline be expedited. The project deliverables will be due to the County **70 days** from the date of the contract. If the Consultant feels that the Scope of Work cannot be completed within the schedule, or that the construction timeframe can facilitate additional design time, they should recommend a new schedule to be reviewed by the County.

QUESTIONS AND INFORMATION REQUESTS

Requests for additional information shall be directed to Chairman Steve Shockley at (307) 322-1608.