



# ***Public Works***

## **REQUEST FOR QUALIFICATIONS**

### **Broadway Bridge Replacement**

Notice is hereby given that “Statements of Qualifications” will be received by the City of Everett until 4:00 PM, Tuesday, May 18, 2010 for Preliminary Engineering, Design Engineering, and Construction Engineering services for the Broadway Bridge Replacement Project.

#### **PROJECT DESCRIPTION**

The work to be performed by the consultant consists of performing preliminary engineering, environmental review, design, PS&E, and possibly construction engineering services. The project will involve the demolition and replacement of the bridge over the BNSF railway mainline on Broadway Avenue, in Everett Washington. This section of Broadway is a five lane principal arterial carrying vehicular volumes in excess of 30,000 ADT. Broadway Avenue is a primary emergency access route to the Providence Regional Medical Center and carries local and regional traffic to the Everett Station multimodal transportation center and is a primary access route to SR 529. The project will provide interesting challenges regarding adjacent building thresholds, vertical curve constraints and clearance requirements over the BNSF railway tracks. The proposed scope of improvements include demolition, traffic control, utility coordination, bridge structure replacement (including curbs, sidewalks, illumination), associated roadway improvements, utility improvements (drainage, water, sewer), outside utility coordination, BNSF coordination and railway related bridge features, non-motorized transportation improvements, and aesthetic considerations potentially including landscaping and irrigation. The major phases and features of the selected consultant’s services are as follows:

#### **Scope Development:**

- Prepare a detailed scope of services based on a draft scope of work outline to be provided by the City.
- The project will require bid ready construction documents by October 2011. It is the intent of the City of Everett that the project shall be scheduled for bid advertisement by no later than November 2011 for the summer 2012 construction season. Scope alternatives shall include project options that include an analysis of the benefits and constraints of full and partial bridge closure and associated detour routes and traffic control.

#### **Preliminary Engineering:**

- Preparation of Preliminary Engineering, which shall include land surveying and 30% design plans for review.
- Coordination and negotiation with BNSF

- Geotechnical Investigation

**Design Engineering:**

- Environmental Review and Permits:
  - Environmental planning and preparation, submittal, and monitoring of all required environmental documentation and permit applications, including SEPA and NEPA. *(Please note that federal funds will be used for this project.)*
- Surveying and Right-of-Way:
  - Boundary and Topographic survey mapping will be a component of this contract. The contract will likely include survey control, aerial photography, topographic surveying, cross sections, underground utilities mapping, and right-of-way surveying, as needed.
  - Preparation of supplemental survey data, legal descriptions, individual parcel access drawings and easements (as needed).
  - Right of Way acquisition negotiation, if required, will be performed by the City.
- Design and PS&E:
  - Design and PS&E for bridge replacement improvements, including bridge structure, curbs, gutters and sidewalks; bicycle/pedestrian facilities; landscaping; intersection radii improvements and channelization; traffic signal modifications, pavement rehabilitation or replacement, illumination; subsurface utility engineering, including underground utility identification, mapping and upgrade designs, utility coordination with City utility departments and other utility companies, coordination and negotiation with BNSF, and detailed traffic control plans. Work is to include preparation of bid ready documents. *(Please note that federal funds will be used for this project.)*
- Bid Period Services:
  - Assistance with response to bidder questions, preparation of bid addenda as needed, review of bid proposals.

**Construction Engineering:**

- At the completion of the Bid Period phase, the City, at its discretion, may elect to either terminate the Consultant Agreement or continue it to include partial or full Construction Engineering services which may include:
  - Assistance with response to contractor requests for information or clarification.
  - Review of shop drawings and submittals
  - Preparation of clarifying details or documents as needed
  - Construction Inspection and Documentation suitable for a federally funded project
  - Preparation of Record Drawings at construction completion

**CONDITIONS OF THE AGREEMENT**

The City has not prepared a detailed scope for the design phase work to be performed under this contract. The selected consultant will enter into a Consulting Agreement which will establish a maximum contract amount. The City will authorize some or all of the work elements described above on a task basis.

The form of contract used for this project will be the Local Agency Standard Consultant Agreement (Dot Form 140-089 EF). The successful consultant will be required to execute this agreement and comply with its requirements. Prospective consultants should familiarize themselves with this agreement. Copies of a sample Consulting Agreement can be obtained by contacting Gordon Larson at 425.257-8868, FAX 425.257-8856, or e-mail at: [glarson@ci.everett.wa.us](mailto:glarson@ci.everett.wa.us).

### **SUBMITTAL**

A shortlist will be created of consulting engineering firms or teams to be interviewed for the final selection. The shortlist of consultants will be chosen on the basis of the following information, which you must include in your Statement of Qualifications (110 points maximum).

1. The City of Everett desires an experienced project manager capable of providing direction and oversight for multi-disciplinary federally funded bridge projects. Describe the proposed project manager's past history in overseeing multidisciplinary bridge design projects, particularly those in an urban environment and associated with replacement of a bridge over a BNSF railway line. *(Please note: If his or her team is shortlisted, the project manager identified in the Letter of Interest will be required to represent the project at the subsequent interview. Also, if selected for this project, the City will require that the interviewed project manager remain as the day-to-day contact for this project throughout the duration of the contract, unless a suitable replacement is approved by the City.) (15 points)*
2. Describe the relevant, recent experience of each of the design team members in the design of bridge projects similar to this project. **(10 points)**
3. Describe the team's relevant, recent experience in conducting a rapid and succinct environmental analysis, including what type of evaluations and permits are anticipated for this type of urban bridge replacement project. Familiarity with SEPA and NEPA procedures and regulations, including evaluations of historic properties and evaluations of hazardous soils. Emphasis shall be on fulfilling all required environmental analysis without undertaking additional unnecessary elements. **(10 points)**
4. Describe the consulting firm's and the project manager's most recent experience with estimating and forecasting construction costs on similar bridge replacement projects. Please include a comparison of the project engineer's cost estimate and the actual bid award and construction cost, including an explanation of differences. Please include both agency and contractor reference contact names and phone numbers. Include the design and project management cost for each listed project as a percentage of construction cost. **(10 points)**

5. Describe the consulting firm's and the project manager's recent experience in completing a major bridge replacement or rehabilitation project within a short and challenging timeline. Provide agency and contactor names and phone numbers. **(10 points)**
6. Explain how the project manager will maintain communication between the City contact(s), other project team members, including subconsultants and various involved stakeholders. Describe what techniques or tools the project manager will use to insure that all project team members are completing their tasks as assigned and on schedule, and how the project manager will report this information to the City's project manager. Describe the project manager's experience with using MS Project or other project management software. **(10 points)**
7. Describe the team's recent experience completing a bridge or similar project that involved substantial and challenging coordination with BNSF in a timely manner. **(10 Points)**
8. Architectural and aesthetic considerations should be a substantial element of urban bridge design. Describe your team's approach to integrating architectural and aesthetic elements and considerations into your bridge design process. **(10 Points)**
9. The replacement of the Broadway Bridge will cause major disruptions to the existing traffic patterns and flow in the Everett CBD vicinity. Describe your approach to construction period traffic control for this project. **(10 Points)**
10. Provide recent letters of recommendation from previous clients for similar projects. Include references from BNSF, if available. **(10 points)**
11. Identify the geographic location of the design team's project office. Preference will be given to project offices closest to the City's Public Works Service Center Building (3200 Cedar Street) in Everett. **(5 points)**

The statements of qualifications shall be limited to twenty (20), single-sided, 8 ½" x 11" pages. Six (6) additional sheets will be allowed for letters of recommendation from previous clients, and/or BNSF. No additional information or pamphlets will be considered by the selection committee.

The City of Everett encourages disadvantaged, minority, and women-owned consultant firms to respond.

The City of Everett does not discriminate on the basis of disability in the admission or access to, or treatment in, its programs or activities. Requests for assistance or accommodations can be arranged by contacting Gordon Larson at 425.257-8868.

Please submit six (6) copies of the Statement of Qualifications to:

Ryan L. Sass, P.E., City Engineer  
City of Everett Public Works – Engineering Division

3200 Cedar Street  
Everett, WA 98201

by Tuesday, May 18, 2010 not later than 4:00 PM. No submittals will be accepted after that date and time. Any questions regarding this project, solicitation, and submittals should be directed to Ryan L. Sass, P.E., City Engineer, by e-mail at: [rsass@ci.everett.wa.us](mailto:rsass@ci.everett.wa.us) .