



Town of Pagosa Springs
551 Hot Springs Boulevard
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**Request for Proposal 2024-PW-08
1st Street Pedestrian Bridge
Town of Pagosa Springs**

Responses Due By 4 p.m. on April 1st, 2024

I. General Information:

The Town of Pagosa Springs is soliciting proposals from qualified firms and individuals for the procurement of a **Pedestrian Bridge**.

Any requests for clarification or additional information deemed necessary by any respondent to present a proper proposal shall be submitted **in writing to David Hilborn, Project Manager, at PO Box 1859, Pagosa Springs, Colorado, 81147 or dhilborn@pagosasprings.co.gov**, referencing this Request for Proposal. Written requests for information must be received a minimum of two (2) business days prior to the proposal submission deadline. Any request received after the above stated deadline will not be considered. All requests received prior to the above deadline will be responded to in writing by the Town in the form of an addendum addressed to all prospective respondents that have expressed their interest in providing a proposal.

No Bids may be withdrawn within a period of thirty (30) days after the due date of **4p.m. on April 1st, 2024**. The Town will evaluate and rank each proposal received by the submittal deadline, using the criteria set forth herein. The Town reserves the right to reject any and all proposals, to waive any and all formalities and to negotiate contract terms with the successful proposal, and the right to disregard all nonconforming, non-responsive or conditional proposals.

II. Scope of Work:

Design & Plan Submittals

1.01 Pedestrian Bridge Details. This work consists of the design, fabrication, and delivery of a 150'-0" long by 8'-0" to 10'-0" clear width simple span (see width options outlined in **section III. 1. h. of the RFP**), welded self-weathering steel (ASTM A 709 Grade 50W), pedestrian truss bridge with decking options as outlined in **section III. 1. h. of this RFP**. The pedestrian bridge structure shall consist of a Half Through Underhung Truss, which has one (1) diagonal per panel and plumb end vertical members. The distance from top of deck to the point of low steel shall

not exceed 48 inches. The top chord shall be 54 inches above the deck with minimum deviations determined as necessary for bridge design (measured from the high point of the riding surface).

Pedestrian Bridge Design is to:

- Accommodate one (1) 6" diameter pressure sewer pipe with pipe saddles, nuts, threaded rod having an estimated weight of 3,000lbs.
- Accommodate two (2) 6" diameter electrical conduits and conductors having an estimated weight of 19lbs/ft.
- Accommodate one light pole at the midspan having an estimated weight of 200lbs.
- Accommodate an H5 Truck (10,000lbs) Vehicle Live Load.

MATERIALS

2.01 Materials. All structural steel shall be new (unused) material and shall conform to the requirements in CDOT Standard Specifications for Road & Bridge Construction - Section 509. Floor beams, stringers, and members of each truss (upper and lower chords, diagonals, end posts and vertical posts) utilized in the bridges shall meet a longitudinal Charpy V notch (CVN) values per Table C6.6.2.1-1 of the AASHTO LRFD Bridge Design Specifications for temperature Zone 2 (typically 25 ft. lbs. at 40 degrees Fahrenheit). Testing shall be in accordance with AASHTO T 243 (ASTM A 673). The H frequency of heat testing shall be used. The Contractor shall provide the Engineer and the Staff Bridge Branch Fabrication Inspection Unit with copies of all certified mill test reports and CVN test reports, heat numbers and Buy America documentation for all structural steel and bolts. Minimum thickness of closed structural tubular members shall be 1/4 of an inch.

2.02 Concrete. Pedestrian Bridge design considerations shall include use of CDOT Specifications Concrete Class D (Bridge) unless specified otherwise in the plans or approved by the Owner. The concrete and reinforcement shall conform to the requirements in CDOT Specifications Sections 601 and 602 respectively.

SUBMITTALS & FIELD CONSTRUCTION

3.01 Design. The current editions of the AASHTO LRFD Bridge Design Specifications, LRFD Guide Specifications for the Design of Pedestrian Bridges, AASHTO Guide Specifications for Design of FRP Pedestrian Bridges and CDOT Bridge Design Manual Section 31, shall govern the design. All welded tubular connections shall be designed in accordance with Section 2, Part A and Section 9, Part A of the Structural Welding Code-Steel ANSI/AWS/D1.1 (Latest Edition). Openings between horizontal or vertical members on pedestrian railings shall be small enough that a 4 in. sphere cannot pass through them for the lower 34" of the pedestrian rail. ½ inch diameter drain holes shall be shop drilled (flame cut holes will not be allowed) at all low points of all steel tubing members as oriented in the in-place, completed structure. In members that are level, or flat, a total of two drain holes shall be drilled, one at each end. Drain holes and their locations shall be shown on the Shop Drawings.

3.02 Shop Fabrication. Welding and fabrication of weathering steel pedestrian bridges shall conform to the requirements of the Structural Welding Code-Steel ANSI/AWS D1.1 (Latest Edition) as amended by the following:

- As required in Subsection 4.7, a welding procedure shall be established by qualification in accordance with the requirements of Subsection 3.3 for the ASTM A 847 material used on the bridge. The results of the Procedure Qualification shall be recorded on Form M1 in Annex M of AWS D 1.1.
- The Contractor shall submit a Quality Control Plan. The Plan shall include personnel qualifications, certifications, and a Written Practice in accordance with ASNT SNT-TC-1A.
- The quality of all welds shall be in accordance with Section 6, Table 6.1 for non- tubular and Section 9 and 9.16 for tubular. In Table 6.1, Undercut 7(B), the criteria for primary members shall apply to the bottom chord members.
- All Complete Joint Penetration Groove Welds in butt joints in the bottom chord members shall be 100% Magnetic Particle tested in accordance with ASTM E709. Acceptance shall be determined in accordance with Section 6.10 and Table 6.1 for non-tubular using alternating Current. Section 9 and Table 9.16 for tubular, UT in accordance with 9.27.1. In addition, complete joint penetration groove butt welds welded from one side without backing of bottom chord members shall be examined by ultrasonic testing in accordance with Section 6.11.
- Magnetic Particle Testing shall be performed on 100% of all attachment welds to the bottom chord, using Alternating Current, in accordance with Section 6.10 and Table 6.1 for non-tubular, Section 9 and 9.16 for tubular.
- Welder Qualification Test Records shall follow 4.2.3 Period of Effectiveness.
- A copy of all Procedure Qualification Records, Welder Qualification Test Records, Quality Control Plan and all visual and nondestructive test reports shall be provided to the Engineer.

The structure shall conform to the clear span, clear width, structure depth, railing and any other requirements as shown on the plans. Metal handrails shall be installed at a height of from top of deck. For bridges seven feet and wider, post with an R12-1 weight limit signs in conformance with MUTCD. All weathering steel shall be blast cleaned, Steel Structures Painting Council Surface Preparation No. 6 (SSPC-SP6, Commercial Blast Cleaning), to remove mill scale and foreign material which would prohibit rusting to a uniform color.

3.03 Build America, Buy America (BABA) and Buy American Requirements. The Pedestrian Bridge supplier shall provide the Owner and its Engineer with one copy of a Certificate of Compliance and Mill Test Reports. Individual components should be inspected and documented where possible. Follow the CDOT Field Material Manual OA Frequency Guide Schedule for Minimum Materials Sampling, Testing and Inspection (most current version) for the appropriate item, (e.g. concrete, timber, etc.). Pedestrian Bridge suppliers must be familiar with documenting on appropriate CDOT forms, listing what material items can be readily identified.

3.04 Field Construction. Pedestrian Bridge Suppliers shall participate and correspond in the coordination of the pedestrian bridge delivery.

III. Submittal Requirements:

Submittals should be formatted to correspond exactly to the following information requirements. ***Clear and concise responses are appreciated.*** The total page limit is 20 pages, single sided (8.5x11).

1. Pedestrian Bridge suppliers must address the following items in their RFP response:

- a) Product Literature for Proposed Pedestrian Bridge.
- b) Familiarity with design, documentation, and material submittals for Colorado Department of Transportation (CDOT) State Funded projects.
- c) Proposed suppliers must have at least five (5) years' experience designing and fabricating these type structures and a minimum of five (5) successful bridge projects of similar construction, each of which has been in service at least three (3) years. List the location, bridge size, owner, and a contact for reference for each project.
- d) Provide a lead time from Acceptance of RFP to Completion of Fabrication.
- e) Provide Storage Time Allowed after Completion of Fabrication before storage Costs are Incurred.
- f) Provide/include delivery costs of the pedestrian bridge to Pagosa Springs, CO.
- g) Provide a brief description of current and future workload.
- h) Provide costs for the following decking configuration options:
(The Town of Pagosa Springs will choose the best configuration based on cost and future maintenance considerations)
 - Option 1A – Concrete Deck 6" thick x 10'-0" wide
 - Option 1B – Concrete Deck 6" thick x 8'-0" wide
 - Option 2A – Asphalt Deck x 10'-0" wide
 - Option 2B – Asphalt Deck x 8'-0" wide
 - Option 3A – Wood Deck (IPE) x 10'-0" wide
 - Option 3B – Wood Deck (IPE) x 8'-0" wide
 - Option 3C – Wood Deck (Pressure Treated) x 10'-0" wide
 - Option 3D – Wood Deck (Pressure Treated) x 8'-0" wide
 - Option 4A – Alternate Decking option for Town consideration x 10'-0" wide
 - Option 4A – Alternate Decking option for Town consideration x 8'-0" wide

2. Provide design and construction documentation. This shall include:

- a) Provide preliminary pedestrian bridge reaction loads for initiation of civil site design.
- b) Final Engineering Colorado Stamped design calculations and rating package per the CDOT Staff Bridge Rating Manual, with independent checks for design and rating.
- c) Final pedestrian bridge reaction loads.
- d) Final Engineered Colorado Stamped Drawings.
- e) Splicing and erection procedures.
- f) Warranty information.
- g) Inspection and Maintenance procedures.
- h) AISC Shop Certification.
- i) Welder Qualifications.
- j) Certificate of Conformity.
- k) Mill certifications.
- l) Buy American and Build America, Buy America (BABA) documentation.
- m) Any other required material documentation.

The Owner and its Engineer will evaluate and verify the accuracy of the submittal prior to fabrication.

IV. Selection Process and Criteria

The proposals will be evaluated using the following criteria with a maximum of 100 points possible:

Evaluation factors:

- a) Past performance and experience with the Town. (20 points)
- b) Qualifications of firm (Including previous relative experience) (20 points)
- c) Price (20 points)
- d) Familiarity and experience with CDOT project documentation requirements. (15 points)
- e) Bridge delivery, lead time, and storage terms. (10 points)
- f) Quality of product, material, maintenance and/or warranties (10 points)
- g) Current and projected workload as it pertains to the contractor's capacity to deliver the requested product. (5 points)

The contract will be awarded to the most responsible contractor whose proposal will be, on an overall basis, most advantageous to the Town of Pagosa Springs. Qualifications, experience, and performance factors will be considered as elements of a responsible proposal at the sole discretion of the Town of Pagosa Springs. The Town of Pagosa Springs selection decision is final. The Town may require follow-up oral interviews with selected respondents and may require the respondents to participate in negotiations.

V. Terms and Conditions

This Request for Proposal does not commit the Town of Pagosa Springs, Colorado to award a contract, to pay any costs incurred in the preparation of proposals to the requests, or to procure or contract service or supplies. The Town of Pagosa Springs reserves the right to accept or reject any or all proposals received as a result of this request, to negotiate with any qualified source, or to cancel in part or in its entirety the Request for Proposals, if it is in the best interest of the Town of Pagosa Springs, Colorado.

Services provided are on an as needed basis only. By entering into professional services agreement with the Town under this Scope of Work, the Town makes no obligations to the awarded firm of a guaranteed minimum number of hours.

The Agreement to be executed for professional services contains standard terms and conditions related to Insurance, Indemnification, Contractor status, Compliance with Laws, etc.

IV. Submission Deadline and Requirements

1. **Submission Deadline:** The deadline for proposals is **4p.m. on April 1st, 2024** at the Town of Pagosa Springs, Town Hall, 551 Hot Springs Blvd., Pagosa Springs, CO 81147. Candidates will be notified in writing by email or by phone if selected to be interviewed. Late proposals will not be accepted.
2. **Submittal Requirements:** Proposals shall be submitted via email to David Hilborn, Town of Pagosa Springs, Project Manager, at dhilborn@pagosasprings.co.gov

With prior approval, hard copies may be sent to Town of Pagosa Springs, 551 Hot Springs Boulevard, PO Box 1859, Pagosa Springs, CO 81147. Proposals shall be submitted in a single sealed envelope marked in the lower left-hand corner "**1st Street Pedestrian Bridge**".