

# STATEMENT OF WORK

## FURNISHING OF ONE (1) – 40' PREFABRICATED PERMENENT BRIDGE STRUCTURE

Commonwealth of Pennsylvania  
Department of Conservation and Natural Resources  
Bureau of Forestry - Susquehannock State Forest  
Forest District 15

### I. SCOPE OF WORK:

The Department of Conservation and Natural Resources (DCNR), Susquehannock State Forest District 15, requires a vendor to fabricate and deliver all materials for one (1) 40' prefabricated bridge of structural steel in accordance with AISC specifications.

Work will include, but is not limited to, furnishing all materials for assembly of a bridge by others. The construction of the bridge abutments, piers and/or footings will be completed by the district.

**This bridge must be capable of carrying legal 40 Ton loads.**

**\*\*Please note this is a no substitute solicitation of the bridge requirements.**

The unit price shall include all materials necessary for the completion of this contract and for the delivery of the prefabricated bridge and materials.

Questions regarding the technical aspects of this bid should be directed to Jesse Monroe at 814.274.3600 or by email at [jmonroe@pa.gov](mailto:jmonroe@pa.gov). Monday through Friday 7:00 am to 3:00 pm. Questions regarding the bidding or contractual aspects of this bid should be directed to Lynda Cashner at 717.783.4884 or by email at [lcashner@pa.gov](mailto:lcashner@pa.gov).

### II. CONTRACT TASKS:

- A. Provide one (1) 40' prefabricated bridge as noted in Sub-sections B. through I. of this statement of work. *Delivery date will be July 30, 2024.*
- B. Bridge to be delivered with a complete set of drawings and calculations for all components sealed by a Professional Engineer, Registered in the Commonwealth of Pennsylvania.
- C. Bidder must provide bearing plate specifications for bridge abutments, piers, and/or footings. Abutments will be solid concrete blocks 2'x3' dimensions. (DCNR will be responsible for constructing abutments meeting the bearing plate specifications given).
- D. Bidder will provide material certifications for wood and steel at time of delivery.
- E. The bridge fabrication requirements will include the following:
  - 1. Bridge will be a minimum of 16' clear between guide rails.
  - 2. Bridge will consist of one (1) 40' total length, 38' clear span.

3. Decking to be #2 treated southern pine or better, the deck thickness will be designed to provide for the maximum legal load over the entire deck surface.
  4. Bridge shall be designed for HL93 loading per the 2016 LRFD Bridge Design Specifications.
    - a. Stringers shall be designed with no speed restriction [full impact loading].
    - b. Design shall incorporate the dead load of a potential/future 3" asphalt overlay.
  5. All steel shall be new, of domestic origin, and of minimum strength as indicated in stringer calculations.
  6. Welding procedures and personnel shall be qualified per AWS D1.5.
  7. Full-dimension steel end plates [back-walls] of minimum 3/8" thick steel, provided at both ends to eliminate the need for a backwall on the abutments.
  8. Guardrail system shall consist of W6x20# "strong-posts" with longitudinal rails consisting of 4" steel channels. Guardrail system geometry shall meet AASHTO requirements including:
    - a. 42" height.
    - b. The number/spacing of channel rails shall be such that rail system meets maximum opening size requirements.
    - c. The lowermost channel shall be capped [faced] with a treated 2x4 as a rub-rail.
  9. Finish shall consist of a PennDOT Bulletin 15 approved urethane topcoat applied over two coats of an epoxy primer listed by the paint manufacturer as suitable/compatible for the topcoat. Paint system shall be applied per [paint] manufacturer's recommendations.
  10. A 56-mil waterproofing membrane on 4-mil carrier film, slit to overhang the top flanges of the stringers by 1/4" – 1/2" on either side, shall be pre-installed on the top flanges of all stringers.
  11. Bridge will be designed for an ML80 load rating in the inventory stress range.
  12. Bridge will be designed with steel back walls and anchor plates. The anchor plates will be welded to the stringers and be designed for permanent attachment to the foundation using (2) 3/4" diameter anchor bolts at each end of each stinger. One end will have slotted holes to permit expansion.
  13. Fabricate items of structural steel in accordance with AISC specifications.
  14. Flame Cutting holes or enlarging holes by burning is not permitted.
- F.** Materials will include the following:
1. Structural Shapes, Steel Plates: Steel, ASTM A-588.
  2. Bridge will be designed using A-588 steel for the stringers and all steel parts.
- G.** The Bridge Deck will include the following:
1. #2 Southern Pine or better.
  2. Minimum thickness of 2"X6".
  3. Pressure Treated (Southern Pine), ACQ (waterborne preservative), 0.40 PCF retention in conformance with American Wood Preservers Association Standard.
  4. Dimensional cut lumber.

5. 19% maximum moisture content.
6. All Southern Pine is to be pressure impregnated and will be labeled as such.
7. All lumber shall be labeled with the National Evaluation Service Committee of the Council of American Building Officials Report No. NER-240.
8. All Lumber shall be grade stamped.
9. The timber deck will be designed and constructed to support a maximum legal load.
10. Deck system shall consist of treated, nail or glue laminated, nominal 6" thick Southern Yellow Pine decking pre-assembled in panels.
11. Timbers shall be treated to UC4B "ground contact – critical components" and of minimum grade/strength as indicated in deck calculations.
12. Materials for full-width longitudinal timber running plank consisting of treated nominal 2"x12" SYP planking and stainless-steel deck screws.

H. The Deck Anchor Plates will include the following:

1. 10 gage, Galvanized sheet metal.

I. Quality Assurance:

In addition to complying with pertinent codes and regulations, the bridge must comply with:

1. AISC "Specifications for Design, Fabrication, and Erections of Structural Steel for Buildings."
2. AISC "Code of Standard Practice."
3. "Southern Pine Use Guide" of the Southern Forest Products Association.
4. "Pressure Treated Southern Pine" of the Southern Forest Products Association.
5. American Softwood Lumber Standard PS 20-94.
6. Southern Pine Inspection Bureau grading regulations.
7. American Wood Preservers' Association (AWPA).

### III. CONTRACTOR REFERENCES:

After bid opening, and prior to awarding of the contract, the Department has the right to request references (names, addresses, and telephone numbers) of similar work. Similar work as described as supplying prefabricated bridge type structures in the previous two (2) years as proof of qualifications to perform the work involved in this contract.

References are an optional tool available to the Department to help determine bidder capabilities. If any of these references are requested and the bidder cannot supply the necessary documentation and proof of compliance, the Department reserves the right to reject the bidder. The decision to both request references and reject bidders based on inadequate references will be made solely at the discretion of the Department.

**IV. DELIVERY:**

Delivery is to be made by truck to:

**A.** Delivery is to be made by truck to:

1. The Location is near the intersection of Splash Dam Hollow and the Susquehannock ATV trail. Approximately, 2.5 miles from the intersection of the ATV trail and Lyman Run Road.
2. Coordinates to the delivery location:  
41.73127, -77.84222 (no street address is available).
3. Contractor must call 814.274.3600 3 weeks and again three (3) business days in advance to set-up delivery date and time.
4. Deliveries must be scheduled Monday through Thursday, 8:00 am to 3:00 pm.

**V. BID REQUIREMENTS:**

- A. Small Business Reserve:** This Invitation for Bid (IFB) is reserved for the Small Business Procurement Initiative as designated in Executive Order 211-09 dated November 21, 2011. Only Self-Certified Small Businesses which have been certified by the Department of General Services prior to the bid opening date and time may submit a response to this IFB.

Your self-certification from the Department of General Services must be submitted along with your IFB response. Failure to produce a valid Self-Certified Small Business Certificate (which must be dated prior to the opening date of this IFB) will render your submission non-responsive.

For more information on the Department of General Services Small Business Self Certification process, please visit: [www.smallbusiness.pa.gov](http://www.smallbusiness.pa.gov).

- B. Reciprocal Limitations Act Form:** The Contractor must include with their solicitation response a properly executed Reciprocal Limitations Act form that lists the state of manufacture for any supplies procured with their bid response.
- C. Worker Protection and Investment Certification Form:** Pursuant to Executive Order 2021-06, Worker Protection and Investment (October 21, 2021), the Commonwealth is responsible for ensuring that every Pennsylvania worker has a safe and healthy work environment, and the protections afforded them through labor laws. To that end, contractors and grantees of the Commonwealth must certify that they are in compliance with all applicable Pennsylvania state labor and workforce safety laws. Such certification shall be made through the Worker Protection and Investment Certification Form (BOP-2201) and submitted with the bid, proposal, or quote.
- D.** Bridge to be delivered with a complete set of drawings and calculations for all components sealed by a Professional Engineer, Registered in the Commonwealth of Pennsylvania.
- E.** Bidder will provide bearing plate specifications for bridge abutments, piers, and/or footings. (DCNR will be responsible for constructing abutments meeting the bearing plate specifications given).

F. Bidder will provide material certifications for wood and steel at time of delivery.

**VI. DEIVERY PERIOD:**

Delivery shall commence upon execution and receipt of Purchase Order and will terminate July 31, 2024.

**VII. BID AWARD:**

Bidder must complete and return the following with their bid response:

- A. The electronic Invitation for Bid to be found at [www.pasupplierportal.state.pa.us](http://www.pasupplierportal.state.pa.us).
- B. A valid copy of your self-certification form from the Department of General Services and the Small Business Procurement Initiative. Failure to produce a valid Self-Certified Small Business certificate will render your submission non-responsive.
- C. A properly executed Reciprocal Limitations Act form that lists the state of manufacture for any supplies procured.
- D. A properly executed Worker Protection and Investment Certification Form.

Bid will be awarded based on the lowest total sum of the bid.

The contract quantities herein are estimated only and may increase or decrease depending on the needs of the Department. The Contractor shall be paid at the unit price bid for actual materials delivered.

The Department will only accept out to two (2) decimal points when entering your "Unit Price".

**VIII. PAYMENT TERMS:**

Payment shall be made on a reimbursement basis following delivery and final acceptance of approved product.

This contract will be paid by Automated Clearing House (ACH), commonly referred to as direct deposit. Contractor should review Section V.23 CONTRACT-016.2 Automated Clearing House (ACH) Payments of the Commonwealth's Terms and Conditions for complete details and contractor's responsibilities.

**IX. RECEIPT AND OPENING OF BIDS:**

Bids will be submitted via the PA Supplier Portal, to be found at [www.pasupplierportal.state.pa.us](http://www.pasupplierportal.state.pa.us). Faxed, emailed, and mailed bids **will not** be accepted.

No responsibility will be attached to any employee of the DCNR for the premature opening of, or the failure to open, a bid for any reason whatsoever.

**X. INVOICES:**

All invoices for this contract **MUST** either be:

A. Emailed to the following for a Paperless Email Invoice Option: [69180@pa.gov](mailto:69180@pa.gov).

For information on the Commonwealth's E-Invoicing Program, visit:  
<http://www.budget.pa.gov/Programs/Pages/E-Invoicing.aspx>

B. Or mailed to the following address: Commonwealth of PA – PO Invoice  
PO Box 69180  
Harrisburg PA 17106

And a copy of the invoice **MUST** also be sent to: Susquehannock State Forest District Office  
Attn: Amy Plumstead  
3150 East second street  
Coudersport, PA 16921

All invoices **MUST** have the purchase order number and your SAP Vendor Number on the invoice. The name and address listed on the purchase order must also be listed on each invoice. Failure to provide this information may result in a delay of payment.

**Please Note:** Vendors are reminded to **NOT** include employer identification numbers, Social Security Numbers, bank account information, or other personally identifiable information on their invoices. That information is uniquely tied to your SAP Vendor Number and, for security purposes, should not be explicitly stated on an invoice.

**XI. BID RESULTS:**

Bidder can obtain bid results by accessing <http://www.emarketplace.state.pa.us/BidTabs.aspx>. The bids will be posted as soon as practicable following the bid opening. The results are the apparent bidders, and all bids are under review until final award of the purchase order.