ADVERTISEMENT FOR QUOTES

The Nez Perce Soil and Water Conservation District of Nez Perce County, Idaho, will accept quotes for DESIGN, BUILD and TRANSPORT A STEEL MODULAR BRIDGE and COMPONENTS FOR ONE BOLT-A-BIN STEEL ABUTMENT AS PER TECHNICAL SPECIFICATIONS on or before April 29, 2019 at 9am PST.

The quotes at that time will be publicly opened and read at the district office 27880 Chambers Road, Culdesac, Idaho 83524

The quotes may be mailed or delivered to the Nez Perce Soil and Water Conservation District office at PO Box 131; Culdesac, Idaho 83524 Monday through Thursday, 8:00 a.m. to 5:00 p.m.

Contract documents and specifications will be emailed to vendors or may be obtained Monday – Thursday, 8:00 a.m. – 5:00 p.m., at the following office:

Road and Bridge Department
Nez Perce County, Idaho
3215 E. Main Street
Lewiston, ID 83501
208-799-3060

By Order of:  Board of Nez Perce Soil and Water Conservation District
Lynn Rasmussen, Director

Dated: 4/11/2019
BID SCHEDULE
NEZ PERCE SOIL and Water Conservation District
DESIGN, BUILD and TRANSPORT A STEEL MODULAR BRIDGE and COMPONENTS FOR ONE BOLT-A-BIN STEEL ABUTMENT

<table>
<thead>
<tr>
<th>TECH. SPECS</th>
<th>PAY ITEM</th>
<th>LENGTH (FT) (Stringers)</th>
<th>WIDTH (FT) (Deck)</th>
<th>ESTIMATE</th>
<th>UNIT</th>
<th>UNIT PRICE</th>
<th>TOTAL PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 - 7</td>
<td>Modular Bridge</td>
<td>52'</td>
<td>28'</td>
<td>1456</td>
<td>SQ FT</td>
<td></td>
<td></td>
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<tr>
<td>1 - 7</td>
<td>Bolt-A-Bin</td>
<td>-</td>
<td>-</td>
<td>1</td>
<td>LS</td>
<td></td>
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<tr>
<td>3.10</td>
<td>End bearing assembles for use on existing abutment (depends on bridge stringers)</td>
<td>-</td>
<td>-</td>
<td>1</td>
<td>LS</td>
<td></td>
<td></td>
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<tr>
<td>4.3</td>
<td>AASHTO Load Rating</td>
<td></td>
<td></td>
<td>1</td>
<td>LS</td>
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<td></td>
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</tbody>
</table>

TOTAL
1. GENERAL
1.1 The following are requirements for a fully engineered Modular Bridge delivered to Peck, Idaho and one fully engineered Bolt-A-Bin abutment components delivered to Nez Perce County Road Department at 3215 E. Main Street – Lewiston, Idaho.

2. GENERAL REQUIREMENTS
2.1 Bridge Design shall be for two lanes of traffic with ADTT of 20 in accordance with LRFD 7th Edition – 2014 with 2016 Interm. Live load HL-93 plus dynamic load allowed. Check for SHV-7 axle dump trucks at 82,000# GVW. Bridge dead load 90# psf total wearing surface.

2.2 Bolt-A-Bin design shall be in accordance with gravity type corrugated steel soil retention systems. Reference Standards AASHTO and ASTM.

3. DESIGN CRITERIA
3.1 The bridge superstructure shall be 52’- 8” (plus or minus) long (stringers @ 52’-0”) and 28’-0” outside to outside of deck. Owner reserves right to vary superstructure by 2’-4’ (shorter/longer) at quote price. Furnish two (2) galvanized end closures, 32’-0” long.

3.2 Bolt-A-Bin Galvanized Steel Abutment with Precast Bearing Sill (Bridge Load).
   3.2-1 Soil unit weight 120 lbs. /ft.³ internal friction angle of 33°. Coefficient of friction, sliding 0.577. Soil bearing pressure 3000#/ft².
   3.2-2 Materials shall conform to ASTMA-929. Coating shall be zinc galvanized with coating weight of 2oz/ft² or aluminized Type 2. Hardware shall conform to ASTM A325 hot dip galvanize. See drawings.

3.3 Each bridge section shall have lifting lugs. Owner will furnish equipment for unloading and setting modular bridge components. Schedule will be after abutments are completed.

3.4 50-psf wind load against height of stringer and side dimension. Side dam to be 3 ½” minimum height above deck.

3.5 Traffic rail shall be TL-1 and designed in accordance with AASHTO LRFD Bridge Specifications. Appendix A13 Railings. First rail post; each side shall be 1’-3” from ends of stringers and 2’-10 ¾” from top of beck.

3.6 All structural steel shall be ASTM A588, FY-50 ksi.

3.7 Decking to be corrugated galvanized steel, 4 ¼”, FY = 50 ksi, ASTM A653 grade 50 Class 1. Decking shall be welded to stringers and adjoining sheet. Welds to be treated with one coat of TTP-641G Type II Zinc Dust Prime (Crown Paint Co.). End of stringers and deck to have an L 3”x3”x3/8” angle welded with horizontal leg pointing away from deck.

3.8 Structural bolts, washers 2 each/bolt and nuts shall be galvanized ASTM A325. Furnish such in excess of 5% actual number needed for assembly.
3.9 Rail to be galvanized steel Thrie beam, 10 ga. galvanized, 2-sided crystal reflector tab shall be provided for all rail posts.

3.10 Each stringer shall have a Layered Grade 4, 60 Durometer Pad designed as per stringer end reactions. Furnish one complete bearing assembly for all stringers (extra set for use at existing abutment, other for bolt a bin abutment).

4. ENGINEERING

4.1 Structural design of the bridge superstructure and abutments (including bearing, elastomeric pads and anchor assembly) shall be performed by or under the direct supervision of a Registered Professional Engineer, licensed in the state of manufacture. Bridge bearing components shall be built for 2.00% grade.

4.2 Drawings and calculations shall be submitted to the Owner for approval prior to fabrication. Submittals shall carry the signature and seal of the Registered Professional Engineer per Section 4.1. End reactions at stringers used for abutment design shall be noted. Written approval or rejection of submittals will be provided within seven (7) calendar days after receipt. Installation drawings and instructions shall be provided with bridge and abutment to provide aid and guidance in the handling, fit-up, and bolting together of the items according to the manufacture’s recommendations.

4.3 The Contractor shall provide a Load Rating using AASHTO Ware BrR. Cost shall be included in the quote and noted in invoice for final payment. A list of three firms that are licensed to provide this requirement.

- Forsgren and Associates – Boise, Salt Lake City
- HDR Engineering – Boise, Coeur d’Alene, Portland, Seattle
- Parametrix – Portland, Seattle

5. FABRICATION

5.1 All welding shall be in accordance with AWSDI.1 or ANSI/ASSHTO/AWS D1.5 “Bridge Welding Code”, current edition.

5.2 Fabrication facility shall be certified under the AISC Quality Certification Program in the Major Bridge Category, Fracture Critical and Sophisticated Paint Endorsement.

6. FINISHING

6.1 All exposed surfaces of structural steel to be wipe cleaned in accordance with SSPC-SP1. Exposed surfaces of steel shall be defined as those surfaces seen from the outside of the structure.

7. ABUTMENT

7.1 Pre-engineered abutment shall include precast engineered concrete sill as per General Requirements, Design Criteria and Drawings.

8. METHOD OF MEASUREMENT. This item shall include Design, Build and Transport of Steel Modular Bridge and One Bolt-A-Bin Steel Abutment in compliance with Technical Specifications.