

THE NAVAJO NATION



JONATHAN NEZ | PRESIDENT MYRON LIZER | VICE PRESIDENT

REQUEST FOR PROPOSAL BID # 21-05-2486LE

The Navajo Nation Department of Water Resources – Technical, Construction, and Operations Branch (NNDWR-TCOB), Northern Agency Agriculture Project is seeking qualified suppliers to provide pipes for an irrigation project located in Nenahnezad Chapter. GPS 36.745483, -108.411270

The proposal shall include one (1) original and three (3) duplicate copies of the following:

1. Fee Schedule in its own sealed envelope inside the bid packet. Clearly indicate “FEE SCHEDULE” on the sealed envelope.

The proposer who submits the best proposal in terms of best quality and lowest cost on the specified materials will be selected. Adherence to the bid instructions is paramount, otherwise, Navajo Nation Business Regulatory Department will disqualify the bid for non-compliance. No additional conditions or requirements shall be attached to the Bid.

Proposals delivery can be:

In person, hand carried in a sealed envelope to:

“Bluff Conversion Project Pipes,
BID #: **21-05-2486LE** – DO NOT OPEN”
Attn: Lorita Etsitty
ADMINISTRATION BUILDING #1 – 1st FLOOR
Window Rock Blvd
Window Rock, Arizona 86515

or mailed to:

Navajo Nation Office of the Controller
Purchasing Department
Attn: Lorita Etsitty
Administration Building #1
Window Rock Blvd
P.O. Box 3150
Window Rock, Arizona 86515
“Bluff Conversion Project Pipes,
BID #: **21-05-2486LE** – DO NOT OPEN”

Bid documents and supplemental information regarding the project is available online at www.nnooc.org link: Purchasing. If there are any questions regarding this Request for Proposal call Lorita Etsitty at (928) 871-6317 (procurement) or Gilbert Harrison at (505) 368-1063 (piping).

The Navajo Nation reserves the right to reject any and all proposals not within projected budget and may elect to award the contract not solely on the bid amount but the bidder’s qualification. The due date for all proposal(s) is **July 23, 2021 at 4:00 p.m.**

INSTRUCTIONS TO BIDDERS AND GENERAL INFORMATION

SCOPE OF WORK

All materials must be new and manufactured in the USA. A 1-year limited warranty is required on all materials. The scope of work shall include pricing for all materials, necessary documents for proper preparation and installation, fabrication and freight. Shipping and delivery will be to the project site, Nenahnezad Chapter GPS 36.745483, -108.411270 located on the Navajo Reservation.

Delivery shall be made within 30 days after a purchase order has been issued by the Navajo Nation. Specifications regarding warranty on materials shall be included in the proposal.

The Navajo Nation is not responsible for any "Down Time" including late delivery of materials, any act of negligence on the part of the supplier and any unforeseen occurrence. These are not billable to the Navajo Nation and will not be considered for payment. Unjustified delayed delivery of more than one week may incur reasonable late charges.

SPECIFICATIONS

See Bid Specifications (page 4-9) and Bid Schedule (page10-13).

AWARD OF BID — REJECTION OF BID

The NNDWR reserves the right to accept bids all or in part. At the time of acceptance, the NNDWR also reserves the right to increase or decrease quantities of any item at the same price bid.

The NNDWR reserves the right to reject any or all bids or to accept any bid that in its judgment will be in the best interest of the Navajo Nation. It is the intention to award contract to the lowest responsible bidder best meeting the requirements.

PREFERENCE OF NAVAJO AND INDIAN-OWNED BUSINESSES

Preference of Navajo and Indian-owned businesses will be given under the Navajo Nation Business Opportunity Act, 5 NNC §201 et. seq., and the Navajo Nation Procurement Act, 12 NNC §303. Evaluation points will be awarded to Navajo and minority respondents. Certification of Navajo Owned Business will be assured by certificate held by the Navajo Nation Business Regulatory Department.

NAVAJO NATION SALES TAXES

All work performed within the territorial jurisdiction of the Navajo Nation is subject to the six percent (6%) Navajo Sales TAX. 24 N.N.C. § 601 et. seq. The Navajo Nation shall withhold from each payment to the "CONTRACTOR" 6% of the total invoice amount associated with work performed within the Navajo Nation. This amount reflects the Navajo Sales Tax due on such invoice amount. This 6% shall be transferred to the Office of the Navajo Tax Commission as a payment of the tax on behalf of the "CONTRACTOR".

BID INSTRUCTIONS

Submit **one (1) original Proposal** and **three (3) duplicate copies**. Mark original as "ORIGINAL" and should contain authorized signatures where a signature is required. Submit proposals in a sealed envelope, marked "Bluff Conversion Project Pipes, BID #: **21-05-2486LE – DO NOT OPEN**".

The name and address of the bidding firm should be shown in the upper left-hand corner of the envelope. Each submittal must be signed in the firm or corporate name and must bear the longhand signature of a principal duly authorized to make contracts for the bidding party. The bidder's name must be fully stated. Where submittals are signed by an agent of the bidder, evidence of his/her authority to act as the bidder's agent shall accompany the proposal.

AVAILABILITY OF BID DOCUMENTS

Bid Proposal documents are available on the web site at www.nnooc.org and at the Navajo Nation Purchasing services located at the Administration Building #1 – 1st Floor, Window Rock Boulevard, Window Rock, Arizona 86515 between the hours of 8:00 AM and 5:00 PM Monday through Friday. For more information, contact Lorita Etsitty at (928) 871-6317.

TIME AND PLACE FOR RECEIPT OF BIDS

All sealed bid proposals, hand-carried or mailed, shall be received by the Navajo Nation Purchasing Services, Administration Building #1 – 1st Floor, Window Rock Boulevard, P.O. Box 3150, Window Rock, Arizona 86515 on or before **July 23, 2021 at 4:00 p.m.**

WITHDRAWAL OF BID

No bid proposal shall be withdrawn for a period of 60 calendar days after the opening of bids without the consent of the owner.

DEVIATIONS

All specifications listed are intended to be preferred design and performance. Where deviations from the specification are necessary, bidder will submit equivalent design, reliability and performance data. If there is insufficient room for detailing deviation, please indicate "see deviation" and attach, clearly indicating the bullet number on any such attachments. Failure to detail all such deviations will provide a basis for rejections of the entire proposal. Substantial deviations will not be considered.

(Attachments to follow)

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PART 1 – GENERAL

1.01 WORK INCLUDED

- A. **Project Description.** This scope of work covers the 48-inch polypropylene pipe required to pipe a section of Fruitland Canal.
- B. **Background.** Fruitland Canal is the main canal that conveys water from the San Juan River to 3,335 acres located in Upper Fruitland Chapter, Nenahnezad Chapter, and San Juan Chapter. The canal is 22 miles long and has both earthen and concrete lined reach. The portion of Fruitland Canal that is to be piped is located in Nenahnezad Chapter 0.5 miles upstream where Fruitland Canal crosses N365.
- C. **Scope of Work.** Work covered includes all designs, submittals, material, fabrication, loading, and shipping to furnish the 48-inch polypropylene pipe.

1.02 GENERAL

- A. **Materials.** All materials, unless otherwise noted, shall be of new, first-quality manufacture, free from defects and suitable for the intended use.
- B. **Workmanship.** All workmanship shall be of the highest quality.
- C. **Design.** The Supplier is responsible for completing the shop drawings necessary to manufacture the polypropylene pipe using the enclosed lay schedule. The enclosed drawings of required pipes provide guidance for the manufacturer for fabricating the pipe. Two 48-inch diameter polypropylene pipes spaced 2 ft apart shall be installed parallel along the centerline of Fruitland Canal.
- D. **Sections.** This project will furnish pipe from station 0+00 to station 36+05. The total length of pipe is 3,605 ft.
- E. **Submittals.** Submittals are required for:
 - Product Brochure showing material and fabrication specifications
 - Shop drawings of pipe and fittings

The review period for approving a design submittal shall be 5 work days. The review period shall include an initial submittal and review followed by any modifications required to achieve approval. The Owner shall respond to each submittal within 5 work days of receiving a submittal. No fabrication of pipe shall begin until the Owner has approved the submittal in writing.

- F. **Material Handling.** Proper handling, storage, and shipping of all materials prior to being received by the Owner shall be the responsibility of the Supplier.
- G. **Shipping.** The polypropylene pipe shall be shipped to the project site located at the following coordinates:

N 36°43' 39"; E 108° 23' 45" which is 0.33 miles east of the intersection of N365 and Fruitland Canal; Nenahnezad Chapter, Navajo Nation, New Mexico, USA

Unloading will be completed by a Contractor contracted by the Owner after the load has been inspected and signed off for by the Owner's representative. The chain of custody from Supplier to the Owner occurs when the shipping documents are signed by an authorized representative of the Owner.

- H. **Tax.** A six (6) percent Navajo Nation Sales Tax shall be applied to the final sales cost. Information for reporting and paying the tax may be obtained from the:

Office of the Navajo Tax Commission
PO Box 1903
Window Rock, AZ 86515
PH (928) 871-6681
[www. Tax.navajo-nsn.gov](http://www.Tax.navajo-nsn.gov)

The Navajo Nation is exempt all state taxes if final sale is to be delivered to the Navajo Nation.

- I. **Costs.** The cost of all materials, design, workmanship, shipping, and tax as described by the drawings and these specifications shall be included in the prices listed in the Bid Schedule.

1.03 WARRANTY

- A. **Manufacturer warranties.** All warranties for materials furnished by this scope of work shall be transferred to:

Navajo Nation Department of Water Resources
Technical Construction and Operations Branch
P.O. Box 678
Fort Defiance, AZ 86504

The Supplier shall warrant all material for a minimum of one year after the polypropylene pipe was received by the Owner.

- B. **Costs.** All costs associated with warranting the polypropylene pipe as described in the drawings and specifications shall be included in the bid schedule for each item applicable to the warranty.

PART 2 – MATERIALS

2.01 GENERAL

- A. **General.** All materials, unless otherwise noted, shall be of new, first-quality manufacture, free from defects and suited for the intended use.

2.02 POLYPROPYLENE PIPE

- A. **General.** Forty-eight (48) inch nominal diameter polypropylene pipe shall be designed, reviewed, furnished, fabricated, loaded, and shipped in accordance with this paragraph. Pipes shall be ordered in standard 19.65 ft (19 ft – 7.8-inches) and custom lengths. Custom pipes with fittings such as elbows, tees, and custom lengths will also be ordered.
- B. **Length.** Lengths specified are installed length or laying lengths. Actual pipe lengths may be longer when measured from bell to spigot.
- C. **Polypropylene Material.** Polypropylene compound for pipe and fitting production shall be impact modified copolymer meeting material requirements of ASTM F2881, Section 5 and AASHTO M330, Section 6.1.
- D. **Exterior Wall Corrugations.** Outside corrugations shall meet ASTM F2881 or AASHTO M330. The corrugations shall form the outside wall of a dual wall pipe.
- E. **Interior.** The interior of the pipe shall be smooth having a Manning's "n" value of 0.012.
- F. **Joint Performance.** Pipe shall be joined using a bell and spigot joint meeting the requirements of ASTM F2881 or AASHTO M330. The joint shall be **watertight** according to the requirements of ASTM D3212. Gaskets shall meet the requirements of ASTM F477. Two gaskets are required for each pipe joint. The gasket shall be installed by the pipe manufacturer and covered with a removed with a removable, protective wrap to ensure the gasket is free from debris. The exterior of the bell shall have an exterior bell wrap installed by the manufacturer.
- G. **Lubrication.** The Supplier shall provide sufficient lubrication recommended by the manufacturer to install the number of pipe joints specified by this order.
- H. **Fittings.** Fittings shall conform to ASTM F2881 or AASHTO M330. Bell and spigot connections shall utilize a welded or integral bell and valley or inline gaskets meeting the **watertight** joint performance requirements of ASTM D3212.

2.03 TEE FITTINGS

- A. **General.** Tees for manholes shall be a standard 48-inch diameter x 30-inch standard tee fitting. The standard tee fitting shall be incorporated into a special pipe fitting as shown in the drawings.

2.04 ELBOW FITTINGS

- A. **General.** Elbows for direction changes shall be standard 48-inch elbow fittings incorporated into a special pipe fitting as shown in the drawings.

2.05 OTHER FITTINGS

- A. **Repair Couplers.** Repair Couplers shall be suitable for 48-inch polypropylene pipe. Couplers shall be Mission Rubber Company Flex Seal Corrugated Coupling (MR72 Series) or approved equal.
- B. **Push Joint.** A 48-inch diameter corrugated pipe length between 36-inches and 60-inches in length shall be furnished for pushing in full length pipes using a hydraulic shovel bucket. The push joint shall have a spigot with no gaskets that can fit reasonably well into the pipe bell.
- C. **End Caps.** A 30-inch diameter end cap with a spigot end that is watertight when inserted into a bell. The cap shall include two gaskets that may be placed onto the spigot end.

2.06 SHIPPING

- A. **General.** The Supplier shall deliver the polypropylene pipe and fittings to the Owner as described. Access to the project site is via paved highway until 0.33 miles of the pipeline route. The last 0.33 miles consists of a graded gravel road.
- B. **Safety.** The Supplier shall follow all Federal, state, tribal, and local safety codes.
- C. **Transport and Handling.** During loading, transportation, unloading, storage, and laying, every precaution shall be taken to prevent damage to the polypropylene pipe, pipe fittings, and coatings. The pipe shall not be dropped or subjected to any unnecessary jars, impacts, or other treatment that might damage the pipe. Any damage to a section of the pipe shall be replaced as directed by the Owner at the expense of the Supplier. An inspection of all pipe and fittings and materials will be required at the time of initial delivery at the delivery site. Any defects will be noted at the time of inspection and indicated on the delivery manifest for action by the Supplier.
- D. **Delivery Notice.** The Supplier shall give the Owner two (2) day notice prior to delivering a load of pipe so the Owner can arrange for off-loading the truck. Any shipping costs for trucks waiting to be unloaded because of failing to notify the Owner shall be the responsibility of the Supplier.

PART 3 – BID

Pricing shall include all materials, design, workmanship, shipping, and warranty. Complete a cost proposal showing the cost for each pipe segment. Include a six (6) percent Navajo Nation Sales Tax on the total costs. Show any additional terms on the cost proposal. Return the cost proposal by

October 18, 2019 at 5:00 p.m. to:

Mr. Gilbert Harrison, PE
Navajo Nation Department of Water Resources
PO Box 57
Shiprock, NM 87420
Ph: (505) 368-1063

For any technical questions regarding the material, please refer to:

Michael Isaacson, PE
KB-Walkoma, LLC
707 N Dustin Ave
Farmington, NM 87401
Cell (505) 320-9916
m.isaacson@kb-w.com

BID SCHEDULE

Item	Quantity	Cost	Extension
1. 48-inch diameter x 19.65 ft laying length Polypropylene pipe with Bell and Spigot per these specifications. ¹	342 each		
2. 48-inch diameter x 5.63 ft laying length Polypropylene pipe with Bell and Spigot per these drawings and specifications.	2 each		
3. 48-inch diameter x 18.28 ft laying length Polypropylene pipe with Bell and Spigot per these drawings and specifications.	1 each		
3A. 48-inch diameter x 16.66 ft laying length Polypropylene pipe with Bell and Spigot per these drawings and specifications	1 each		
4. 48-inch diameter x 8.26 ft laying length Polypropylene pipe with Bell and Spigot and 30-inch manhole per these drawings and specifications.	2 each		
5. 48-inch diameter x 12.11 ft laying length Polypropylene pipe with Bell and Spigot per these drawings and specifications	2 each		
6. 48-inch diameter x 12.89 ft laying length Polypropylene pipe with Bell and Spigot per these drawings and specifications	2 each		
7. 48-inch diameter x 16.06 ft laying length Polypropylene pipe with Bell and Spigot per these drawings and specifications	2 each		
8. 48-inch diameter x 10.68 ft laying length Polypropylene pipe with Bell and Spigot and 30-inch manhole per these drawings and specifications	2 each		

¹ Include sufficient quantity of manufacturer recommended lubrication into the unit price of the pipe.

Item	Quantity	Cost	Extension
9. 48-inch diameter x 19.36 ft laying length Polypropylene pipe with Bell and Spigot per these drawings and specifications	2 each		
10. 48-inch diameter x 7.81 ft laying length Polypropylene pipe with Bell and Spigot per these drawings and specifications	2 each		
11. 48-inch diameter x 4.63 ft laying length Polypropylene pipe with Bell and Spigot per these drawings and specifications	2 each		
12. 48-inch diameter x 17.23 ft laying length Polypropylene pipe with Bell and Spigot per these drawings and specifications	2 each		
13. 48-inch diameter x 14.93 ft laying length Polypropylene pipe with Bell and Spigot per these drawings and specifications	2 each		
14. 48-inch diameter Special 30° Elbow 13+22Lt per these drawings and specifications.	1 each		
15. 48-inch diameter Special 30° Elbow 13+22Rt per these drawings and specifications.	1 each		
16. 48-inch diameter Special 30° Elbow 4+95Lt per these drawings and specifications.	1 each		
17. 48-inch diameter Special 30° Elbow 4+91Rt per these drawings and specifications.	1 each		
18. 48-inch diameter Special 45° Elbow 7+36 Lt per these drawings and specifications.	1 each		
19. 48-inch diameter Special 45° Elbow 7+36 Rt per these drawings and specifications.	1 each		
20. 48-inch diameter Special 15° Elbow 10+47 Lt per these drawings and specifications.	1 each		
21. 48-inch diameter Special 15° Elbow 10+47 Rt per these drawings and specifications.	1 each		

Item	Quantity	Cost	Extension
22. 48-inch diameter Special 30° Elbow 11+84 Lt per these drawings and specifications.	1 each		
23. 48-inch diameter Special 30° Elbow 11+84 Rt per these drawings and specifications.	1 each		
24. 48-inch diameter Special 11.25° Elbow 15+40 Lt per these Bid drawings and specifications.	1 each		
25. 48-inch diameter Special 11.25° Elbow 15+40 Rt per these drawings and specifications.	1 each		
26. 48-inch diameter Special 15° Elbow 16+61 Lt per these drawings and specifications.	1 each		
27. 48-inch diameter Special 15° Elbow 16+61 Rt per these drawings and specifications.	1 each		
28. 48-inch diameter Special 15° Elbow 21+89 Lt per these drawings and specifications.	1 each		
29. 48-inch diameter Special 15° Elbow 21+89 Rt per these drawings and specifications	1 each		
30. 48-inch diameter Special 11.25° Elbow 22+34 Lt per these drawings and specifications	1 each		
31. 48-inch diameter Special 11.25° Elbow 22+34 Rt per these drawings and specifications	1 each		
32. 48-inch diameter Special 15° Elbow 24+06 Lt per these drawings and specifications	1 each		
33. 48-inch diameter Special 15° Elbow 24+06 Rt per these drawings and specifications	1 each		
34. 48-inch diameter Special 22.5° Elbow 26+14 Lt per these drawings and specifications	1 each		
35. 48-inch diameter Special 22.5° Elbow 26+14 Rt per these drawings and specifications	1 each		
36. 48-inch diameter Special 15° Elbow 30+11 Lt per these drawings and specifications	1 each		

Item	Quantity	Cost	Extension
37. 48-inch diameter Special 15° Elbow 30+11 Rt per these drawings and specifications	1 each		
38. 48-inch diameter Special 15° Elbow 33+67 Lt per these drawings and specifications	1 each		
39. 48-inch diameter Special 15° Elbow 33+67 Rt per these drawings and specifications	1 each		
40. 48-inch diameter joint pusher per these specifications	2 each		
41. 48-inch diameter repair couplers per these specifications	4 each		
42. 30-inch diameter end caps with water tight joint per these specifications.	4 each		
Total			
Navajo Nation Tax (6%)			
Grand Total			