



Department of Administration
 Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

**State of West Virginia
 Solicitation Response**

Proc Folder: 1139454
Solicitation Description: Addendum1:180' of 30" Diameter 0.375 Thick Steel Casing Pipe
Proc Type: Agency Purchase Order

Solicitation Closes	Solicitation Response	Version
2022-12-13 14:30	SR 0803 ESR12132200000002795	1

VENDOR
 VS0000002427
 Technology International Inc

Solicitation Number: ARFQ 0803 DOT2300000033
Total Bid: 24762.59999999999854480847716 **Response Date:** 2022-12-13 **Response Time:** 06:43:22
Comments: Please see attached

FOR INFORMATION CONTACT THE BUYER

Amber J Heath
 304-414-7105
 amber.j.heath@wv.gov

Vendor Signature X **FEIN#** **DATE**

All offers subject to all terms and conditions contained in this solicitation

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
1	180' 30" Diameter 0.375" Thickness Steel Casing	180.00000	LF	137.570000	24762.60

Comm Code	Manufacturer	Specification	Model #
11101704			

Commodity Line Comments: 30" OD x .375w Steel Casing Pipe Produced to ASTM A 252 Gr 3 x 20' lengths.

Extended Description:

180' 30" Diameter 0.375" Thickness Steel Casing



**State of West Virginia
Agency Request for Quote
Highways**

Proc Folder: 1139454	Reason for Modification:
Doc Description: 180' of 30" Diameter 0.375 Thick Steel Casing Pipe	
Proc Type: Agency Purchase Order	

Date Issued	Solicitation Closes	Solicitation No	Version
2022-11-29	2022-12-13 14:30	ARFQ 0803 DOT2300000033	1

BID RECEIVING LOCATION

BUDGET & PROCUREMENT
 DIVISION OF HIGHWAYS
 BLDG 5, RM A-317
 1900 KANAWHA BLVD E
 CHARLESTON WV 25305
 US

VENDOR

Vendor Customer Code:

Vendor Name : [Technology International, Inc.](#)

Address : [1331 South International Parkway, Suite 2251.](#)

Street :

City : [Lake Mary](#)

State : [Florida](#)

Country : [USA](#)

Zip : [32746](#)

Principal Contact : [Rifat Habib](#)

Vendor Contact Phone: [\(407\) 359-2373](#)

Extension: -

FOR INFORMATION CONTACT THE BUYER

Amber J Heath
 304-414-7105
amber.j.heath@wv.gov

**Vendor
Signature X**

FEIN# [650342335](#)

DATE [12-13-2022](#)

All offers subject to all terms and conditions contained in this solicitation

ADDITIONAL INFORMATION

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION - BUDGET AND PROCUREMENT DIVISION - SOLICITATION OF
- STEEL CASING PIPE - FOR DISTRICT 10 PER THE ATTACHED DOCUMENTS.

QUESTIONS REGARDING THE SOLICITATION MUST BE SUBMITTED IN WRITING TO AMBER.J.HEATH@WV.GOV PRIOR
TO THE QUESTION PERIOD DEADLINE CONTAINED IN THE INSTRUCTIONS TO VENDORS SUBMITTING BIDS.

*****NOTICE*****

WE DO NOT ACCEPT EMAIL BIDS

MUST USE ONE THE FOLLOWING TO SUBMIT A BID:

- * UPLOAD TO OASIS
- * HAND DELIVERY
- * MAIL IN HARD COPY

MAKE SURE YOU DOWNLOAD ALL INFORMATION - THE COMPLETE SOLICITATION - PRICING PAGES - SIGN THE PAGES
THAT NEED SIGNED

PLEASE NOTE THAT TO BE AWARDED THIS CONTRACT YOU WILL NEED TO BE A REGISTERED VENDOR WITH WV
STATE PURCHASING, AND COMPLIANT WITH SEVERAL AGENCIES SUCH AS THE WVSOS, TAX DEPARTMENT,
WORKER'S COMPENSATION, AND UNEMPLOYMENT INSURANCE

INVOICE TO		SHIP TO	
DIVISION OF HIGHWAYS		DIVISION OF HIGHWAYS	
DISTRICT TEN		DISTRICT TEN	
270 HARDWOOD LN		270 HARDWOOD LN	
PRINCETON	WV	PRINCETON	WV
US		US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
1	180' 30" Diameter 0.375" Thickness Steel Casing	180.00000	LF	\$137.57	\$24,762.60

Comm Code	Manufacturer	Specification	Model #
11101704			

Extended Description:

180' 30" Diameter 0.375" Thickness Steel Casing

SCHEDULE OF EVENTS

Line	Event	Event Date
1	Technical Questions Due at 10:00am ET	2022-12-06

	Document Phase	Document Description	Page
DOT2300000033	Draft	180' of 30" Diameter 0.375 Thick Steel Casing Pipe	3

ADDITIONAL TERMS AND CONDITIONS

See attached document(s) for additional Terms and Conditions

**INSTRUCTIONS TO VENDORS SUBMITTING BIDS
(Agency Delegated Procurements Only)**

1. REVIEW DOCUMENTS THOROUGHLY: The attached documents contain a solicitation for bids. Please read these instructions and all documents attached in their entirety. These instructions provide critical information about requirements that if overlooked could lead to disqualification of a Vendor's bid. All bids must be submitted in accordance with the provisions contained in these instructions and the Solicitation. Failure to do so may result in disqualification of Vendor's bid.

2. MANDATORY TERMS: The Solicitation may contain mandatory provisions identified by the use of the words "must," "will," and "shall." Failure to comply with a mandatory term in the Solicitation will result in bid disqualification.

2A. PREBID MEETING: The item identified below shall apply to this Solicitation.

A pre-bid meeting will not be held prior to bid opening

A MANDATORY PRE-BID meeting will be held at the following place and time:

All Vendors submitting a bid must attend the mandatory pre-bid meeting. Failure to attend the mandatory pre-bid meeting shall result in disqualification of the Vendor's bid. No one individual is permitted to represent more than one vendor at the pre-bid meeting. Any individual that does attempt to represent two or more vendors will be required to select one vendor to which the individual's attendance will be attributed. The vendors not selected will be deemed to have not attended the pre-bid meeting unless another individual attended on their behalf. The required attribution of attendance to a single vendor should be addressed during the pre-bid but may occur at any time deemed appropriate by the Purchasing Division.

An attendance sheet provided at the pre-bid meeting shall serve as the official document verifying attendance. Any person attending the pre-bid meeting on behalf of a Vendor must list on the attendance sheet his or her name and the name of the Vendor he or she is representing.

Additionally, the person attending the pre-bid meeting should include the Vendor's E-Mail address, phone number, and Fax number on the attendance sheet. It is the Vendor's responsibility to locate the attendance sheet and provide the required information. Failure to complete the attendance sheet as required may result in disqualification of Vendor's bid.

All Vendors should arrive prior to the starting time for the pre-bid. Vendors who arrive after the starting time but prior to the end of the pre-bid will be permitted to sign in, but are charged with knowing all matters discussed at the pre-bid.

Questions submitted at least five business days prior to a scheduled pre-bid will be discussed at the pre-bid meeting if possible. Any discussions or answers to questions at the pre-bid meeting are preliminary in nature and are non-binding. Official and binding answers to questions will be published in a written addendum to the Solicitation prior to bid opening.

3. BID SUBMISSION: All bids must be submitted electronically through wvOASIS or signed and delivered by the Vendor to the Agency on or before the date and time of the bid opening. Any bid received by the Agency staff is considered to be in the possession of the Agency and will not be returned for any reason.

3A. BID SUBMISSION

A bid that is not submitted electronically through wvOASIS should contain the information listed below on the face of the envelope or the bid may be rejected by the Agency.

SEALED BID: 180' of 30" Diameter 0.375 Thick Steel Casing Pipe for District 10

BUYER: Amber Heath

SOLICITATION NO.: ARFQ DOT2300000033

BID OPENING DATE: December 13, 2022

BID OPENING TIME: 2:30pm ET

FAX NUMBER: 304-558-0047

4. ADDENDUM ACKNOWLEDGEMENT: Changes or revisions to this Solicitation will be made by an official addendum issued by the Agency. Vendor should acknowledge receipt of all addenda issued with this Solicitation by completing an Addendum Acknowledgment Form, a copy of which is included herewith. Failure to acknowledge addenda may result in bid disqualification. The addendum acknowledgement should be submitted with the bid to expedite document processing.

5. BID FORMATTING: Vendor should type or electronically enter the information onto its bid to prevent errors in the evaluation. Failure to type or electronically enter the information may result in bid disqualification.

6. ALTERNATE MODEL OR BRAND: Unless the box below is checked, any model, brand, or specification listed in this Solicitation establishes the acceptable level of quality only and is not intended to reflect a preference for, or in any way favor, a particular brand or vendor. Vendors may bid alternates to a listed model or brand provided that the alternate is at least equal to the model or brand and complies with the required specifications. The equality of any alternate being bid shall be determined by the State at its sole discretion. Any Vendor bidding an alternate model or brand should clearly identify the alternate items in its bid and should include manufacturer's specifications, industry literature, and/or any other relevant documentation demonstrating the equality of the alternate items. Failure to provide information for alternate items may be grounds for rejection of a Vendor's bid.

This Solicitation is based upon a standardized commodity established under West Virginia Code § 5A-3-61. Vendors are expected to bid the standardized commodity identified. Failure to bid the standardized commodity will result in your firm's bid being rejected.

7. EXCEPTIONS AND CLARIFICATIONS: The Solicitation contains the specifications that shall form the basis of a contractual agreement. Vendor shall clearly mark any exceptions, clarifications, or other proposed modifications in its bid. Exceptions to, clarifications of, or modifications of a requirement or term and condition of the Solicitation may result in bid disqualification.

8. REGISTRATION: Prior to Contract award, the apparent successful Vendor must be properly registered with the West Virginia Purchasing Division and must have paid the \$125 fee, if applicable.

9. UNIT PRICE: Unit prices shall prevail in cases of a discrepancy in the Vendor's bid.

10. PREFERENCE: Vendor Preference may be requested in purchases of motor vehicles or construction and maintenance equipment and machinery used in highway and other infrastructure projects. Any request for preference must be submitted in writing with the bid, must specifically identify the preference requested with reference to the applicable subsection of West Virginia Code § 5A-3-37, and must include with the bid any information necessary to evaluate and confirm the applicability of the requested preference. A request form to help facilitate the request can be found at: <http://www.state.wv.us/admin/purchase/vrc/Venpref.pdf>.

10A. RECIPROCAL PREFERENCE: The State of West Virginia applies a reciprocal preference to all solicitations for commodities and printing in accordance with W. Va. Code § 5A-3-37(b). In effect, if reciprocal preference is requested by a West Virginia resident vendor, non-resident vendors receiving a preference in their home states, will see that same preference granted to West Virginia resident vendors bidding against them in West Virginia. Any request for reciprocal preference must include with the bid any information necessary to evaluate and confirm the applicability of the preference. A request form to help facilitate the request can be found at: <http://www.state.wv.us/admin/purchase/vrc/Venpref.pdf>.

11. SMALL, WOMEN-OWNED, OR MINORITY-OWNED BUSINESSES: For any solicitations publicly advertised for bid, in accordance with West Virginia Code §5A-3-37 and W. Va. CSR § 148-22-9, any non-resident vendor certified as a small, women-owned, or minority-owned business under W. Va. CSR § 148-22-9 shall be provided the same preference made available to any resident vendor. Any non-resident small, women-owned, or minority-owned business must identify itself as such in writing, must submit that writing to the Purchasing Division with its bid, and must be properly certified under W. Va. CSR § 148-22-9 prior to contract award to receive the preferences made available to resident vendors. Preference for a non-resident small, women-owned, or minority owned business shall be applied in accordance with W. Va. CSR § 148-22-9.

12. ELECTRONIC FILE ACCESS RESTRICTIONS: Vendor must ensure that its submission in wvOASIS can be accessed and viewed by the Agency staff immediately upon bid opening. The Agency will consider any file that cannot be immediately access and viewed at the time of the bid opening (such as, encrypted files, password protected files, or incompatible files) to be blank or incomplete as context requires, and therefore unacceptable. A vendor will not be permitted to unencrypt files, remove password protections, or resubmit documents after bid opening to make a file viewable if those documents are required with the bid. A Vendor may be required to provide document passwords or removed access restrictions to allow the Agency to print or electronically save documents provided that those documents are viewable by the Agency prior to obtaining the password or removing the access restriction.

13. NON-RESPONSIBLE: The Purchasing Division Director reserves the right to reject the bid of any vendor as Non-Responsible in accordance with W. Va. Code of State Rules § 148-1-5.3, when the Director determines that the vendor submitting the bid does not have the capability to fully perform, or lacks the integrity and reliability to assure good-faith performance.”

14. ACCEPTANCE/REJECTION: The State may accept or reject any bid in whole, or in part in accordance with W. Va. Code of State Rules § 148-1-4.5. and § 148-1-6.4.b.”

15. YOUR SUBMISSION IS A PUBLIC DOCUMENT: Vendor’s entire response to the Solicitation and the resulting Contract are public documents. As public documents, they will be disclosed to the public following the bid/proposal opening or award of the contract, as required by the competitive bidding laws of West Virginia Code §§ 5A-3-1 et seq., 5-22-1 et seq., 5G-1-1 et seq. and the Freedom of Information Act in West Virginia Code §§ 29B-1-1 et seq.

DO NOT SUBMIT MATERIAL YOU CONSIDER TO BE CONFIDENTIAL, A TRADE SECRET, OR OTHERWISE NOT SUBJECT TO PUBLIC DISCLOSURE.

Submission of any bid, proposal, or other document to the Purchasing Division constitutes your explicit consent to the subsequent public disclosure of the bid, proposal, or document. The Purchasing Division will disclose any document labeled “confidential,” “proprietary,” “trade secret,” “private,” or labeled with any other claim against public disclosure of the documents, to include any “trade secrets” as defined by West Virginia Code § 47-22-1 et seq. All submissions are subject to public disclosure without notice.

**GENERAL TERMS AND CONDITIONS:
(Agency Delegated Procurements Only)**

1. CONTRACTUAL AGREEMENT: Issuance of an Award Document signed by the Agency and approved as to form by the Attorney General's office, if required, constitutes acceptance by the State of this Contract made by and between the State of West Virginia and the Vendor. Vendor's signature on its bid, or on the Contract if the Contract is not the result of a bid solicitation, signifies Vendor's agreement to be bound by and accept the terms and conditions contained in this Contract.

2. DEFINITIONS: As used in this Solicitation/Contract, the following terms shall have the meanings attributed to them below. Additional definitions may be found in the specifications included with this Solicitation/Contract.

2.1. "Agency" or "Agencies" means the agency, board, commission, or other entity of the State of West Virginia that is identified on the first page of the Solicitation or any other public entity seeking to procure goods or services under this Contract.

2.2. "Bid" or "Proposal" means the vendors submitted response to this solicitation.

2.3. "Contract" means the binding agreement that is entered into between the State and the Vendor to provide the goods or services requested in the Solicitation.

2.4. "Director" means the Director of the West Virginia Department of Administration, Purchasing Division.

2.5. "Purchasing Division" means the West Virginia Department of Administration, Purchasing Division.

2.6. "Award Document" means the document signed by the Agency that identifies the Vendor as the contract holder.

2.7. "Solicitation" means the official notice of an opportunity to supply the State with goods or services.

2.8. "State" means the State of West Virginia and/or any of its agencies, commissions, boards, etc. as context requires.

2.9. "Vendor" or "Vendors" means any entity submitting a bid in response to the Solicitation, the entity that has been selected as the lowest responsible bidder, or the entity that has been awarded the Contract as context requires.

3. CONTRACT TERM; RENEWAL; EXTENSION: The term of this Contract shall be determined in accordance with the category that has been identified as applicable to this Contract below:

Term Contract

Initial Contract Term: This Contract becomes effective on _____ and the initial contract term extends until _____.

Renewal Term: This Contract may be renewed upon the mutual written consent of the Agency, and the Vendor. Any request for renewal should be delivered to the Agency thirty (30) days prior to the expiration date of the initial contract term or appropriate renewal term. A Contract renewal shall be in accordance with the terms and conditions of the original contract. Unless otherwise specified below, renewal of this Contract is limited to _____ successive one (1) year periods or multiple renewal periods of less than one year, provided that the multiple renewal periods do not exceed the total number of months available in all renewal years combined. Automatic renewal of this Contract is prohibited.

Alternate Renewal Term – This contract may be renewed for _____ successive _____ year periods or shorter periods provided that they do not exceed the total number of months contained in all available renewals. Automatic renewal of this Contract is prohibited. Renewals must be approved by the Vendor and Agency.

Delivery Order Limitations: In the event that this contract permits delivery orders, a delivery order may only be issued during the time this Contract is in effect. Any delivery order issued within one year of the expiration of this Contract shall be effective for one year from the date the delivery order is issued. No delivery order may be extended beyond one year after this Contract has expired.

Fixed Period Contract: This Contract becomes effective upon Vendor’s receipt of the notice to proceed and must be completed within _____ days.

Fixed Period Contract with Renewals: This Contract becomes effective upon Vendor’s receipt of the notice to proceed and part of the Contract more fully described in the attached specifications must be completed within _____ days. Upon completion of the work covered by the preceding sentence, the vendor agrees that maintenance, monitoring, or warranty services will be provided for _____ year(s) thereafter.

One Time Purchase: The term of this Contract shall run from the issuance of the Award Document until all of the goods contracted for have been delivered, but in no event will this Contract extend for more than one fiscal year.

Construction/Project Oversight: This Contract becomes effective on the effective start date listed on the first page of this Contract, identified as the State of West Virginia contract cover page containing the signatures of the State Agency (or another page identified as _____), and continues until the project for which the vendor is providing oversight is complete.

Other: See attached.

4. AUTHORITY TO PROCEED: Vendor is authorized to begin performance of this contract on the date of encumbrance listed on the front page of the Award Document unless either the box for “Fixed Period Contract” or “Fixed Period Contract with Renewals” has been checked in Section 3 above. If either “Fixed Period Contract” or “Fixed Period Contract with Renewals” has been checked, Vendor must not begin work until it receives a separate notice to proceed from the State. The notice to proceed will then be incorporated into the Contract via change order to memorialize the official date that work commenced.

5. QUANTITIES: The quantities required under this Contract shall be determined in accordance with the category that has been identified as applicable to this Contract below.

Open End Contract: Quantities listed in this Solicitation/Award Document are approximations only, based on estimates supplied by the Agency. It is understood and agreed that the Contract shall cover the quantities actually ordered for delivery during the term of the Contract, whether more or less than the quantities shown.

Service: The scope of the service to be provided will be more clearly defined in the specifications included herewith.

Combined Service and Goods: The scope of the service and deliverable goods to be provided will be more clearly defined in the specifications included herewith.

One Time Purchase: This Contract is for the purchase of a set quantity of goods that are identified in the specifications included herewith. Once those items have been delivered, no additional goods may be procured under this Contract without an appropriate change order approved by the Vendor, Agency, Purchasing Division, and Attorney General’s office.

Construction: This Contract is for construction activity more fully defined in the specifications.

6. EMERGENCY PURCHASES: The Purchasing Division Director may authorize the Agency to purchase goods or services in the open market that Vendor would otherwise provide under this Contract if those goods or services are for immediate or expedited delivery in an emergency. Emergencies shall include, but are not limited to, delays in transportation or an unanticipated increase in the volume of work. An emergency purchase in the open market, approved by the Purchasing Division Director, shall not constitute a breach of this Contract and shall not entitle the Vendor to any form of compensation or damages. This provision does not excuse the State from fulfilling its obligations under a One Time Purchase contract.

7. REQUIRED DOCUMENTS: All of the items checked below must be provided to the Agency by the Vendor as specified below.

LICENSE(S) / CERTIFICATIONS / PERMITS: In addition to anything required under the Section of the General Terms and Conditions entitled Licensing, the apparent successful Vendor shall furnish proof of the following licenses, certifications, and/or permits upon request and in a form acceptable to the State. The request may be prior to or after contract award at the State's sole discretion.

The apparent successful Vendor shall also furnish proof of any additional licenses or certifications contained in the specifications regardless of whether or not that requirement is listed above.

8. INSURANCE: The apparent successful Vendor shall furnish proof of the insurance identified by a checkmark below on each policy prior to Contract award. The insurance coverages identified below must be maintained throughout the life of this contract. Thirty (30) days prior to the expiration of the insurance policies Vendor shall provide the Agency with proof that the insurance

mandated herein has been continued. Vendor must also provide Agency with immediate notice of any changes in its insurance policies, including but not limited to, policy cancelation, policy reduction, or change in insurers. The apparent successful Vendor shall also furnish proof of any additional insurance requirements contained in the specifications prior to Contract award regardless of whether or not that insurance requirement is listed in this section.

Vendor must maintain:

Commercial General Liability Insurance in at least an amount of:
\$1,000,000.00 _____ per occurrence.

Automobile Liability Insurance in at least an amount of: \$500,000.00 _____ per occurrence.

Professional/Malpractice/Errors and Omission Insurance in at least an amount of:
_____ per occurrence. Notwithstanding the forgoing, Vendor's are not required to list the State as an additional insured for this type of policy.

Commercial Crime and Third Party Fidelity Insurance in an amount of:
_____ per occurrence.

Cyber Liability Insurance in an amount of: _____ per occurrence.

Builders Risk Insurance in an amount equal to 100% of the amount of the Contract.

Pollution Insurance in an amount of: _____ per occurrence.

Aircraft Liability in an amount of: _____ per occurrence.

9. WORKERS' COMPENSATION INSURANCE: Vendor shall comply with laws relating to workers compensation, shall maintain workers' compensation insurance when required, and shall furnish proof of workers' compensation insurance upon request.

10. LIQUIDATED DAMAGES: This clause shall in no way be considered exclusive and shall not limit the State or Agency's right to pursue any other available remedy. Vendor shall pay liquidated damages in the amount specified below or as described in the specifications:

_____ for _____

Liquidated Damages Contained in the Specifications.

Liquidated Damages Are Not Included in this Contract.

11. ACCEPTANCE: Vendor's signature on its bid, or on the certification and signature page, constitutes an offer to the State that cannot be unilaterally withdrawn, signifies that the product or service proposed by vendor meets the mandatory requirements contained in the Solicitation for that product or service, unless otherwise indicated, and signifies acceptance of the terms and conditions contained in the Solicitation unless otherwise indicated.

12. PRICING: The pricing set forth herein is firm for the life of the Contract, unless specified elsewhere within this Solicitation/Contract by the State. A Vendor's inclusion of price adjustment provisions in its bid, without an express authorization from the State in the Solicitation to do so, may result in bid disqualification. Notwithstanding the foregoing, Vendor must extend any publicly advertised sale price to the State and invoice at the lower of the contract price or the publicly advertised sale price.

13. PAYMENT IN ARREARS: Payments for goods/services will be made in arrears only upon receipt of a proper invoice, detailing the goods/services provided or receipt of the goods/services, whichever is later. Notwithstanding the foregoing, payments for software licenses, subscriptions, or maintenance may be paid annually in advance.

14. PAYMENT METHODS: Vendor must accept payment by electronic funds transfer or P-Card. (The State of West Virginia's Purchasing Card program, administered under contract by a banking institution, processes payment for goods and services through state designated credit cards.)

15. ADDITIONAL FEES: Vendor is not permitted to charge additional fees or assess additional charges that were not either expressly provided for in the solicitation published by the State of West Virginia, included in the Contract, or included in the unit price or lump sum bid amount that Vendor is required by the solicitation to provide. Including such fees or charges as notes to the solicitation may result in rejection of vendor's bid. Requesting such fees or charges be paid after the contract has been awarded may result in cancellation of the contract.

16. TAXES: The Vendor shall pay any applicable sales, use, personal property or any other taxes arising out of this Contract and the transactions contemplated thereby. The State of West Virginia is exempt from federal and state taxes and will not pay or reimburse such taxes.

17. FUNDING: This Contract shall continue for the term stated herein, contingent upon funds being appropriated by the Legislature or otherwise being made available. In the event funds are not appropriated or otherwise made available, this Contract becomes void and of no effect beginning on July 1 of the fiscal year for which funding has not been appropriated or otherwise made available. If that occurs, the State may notify the Vendor that an alternative source of funding has been obtained and thereby avoid the automatic termination. Non-appropriation or non-funding shall not be considered an event of default.

18. CANCELLATION: The State reserves the right to cancel this Contract immediately upon written notice to the vendor if the materials or workmanship supplied do not conform to the specifications contained in the Contract. The Agency may also cancel any purchase or Contract upon 30 days written notice to the Vendor in accordance with West Virginia Code of State Rules § 148-1-5.2.b.

19. TIME: Time is of the essence with regard to all matters of time and performance in this Contract.

20. APPLICABLE LAW: This Contract is governed by and interpreted under West Virginia law without giving effect to its choice of law principles. Any information provided in specification manuals, or any other source, verbal or written, which contradicts or violates the West Virginia Constitution, West Virginia Code or West Virginia Code of State Rules is void and of no effect.

20A. VENUE: All legal actions for damages brought by Vendor against the State shall be brought in the West Virginia Claims Commission. Other causes of action must be brought in the West Virginia court authorized by statute to exercise jurisdiction over it.

21. COMPLIANCE WITH LAWS: Vendor shall comply with all applicable federal, state, and local laws, regulations and ordinances. By submitting a bid, Vendor acknowledges that it has reviewed, understands, and will comply with all applicable laws, regulations, and ordinances. Vendor shall notify all subcontractors providing commodities or services related to this Contract that as subcontractors, they too are required to comply with all applicable laws, regulations, and ordinances.

22. ARBITRATION: Any references made to arbitration contained in this Contract, Vendor's bid, or in any American Institute of Architects documents pertaining to this Contract are hereby deleted, void, and of no effect.

23. MODIFICATIONS: This writing is the parties' final expression of intent. Notwithstanding anything contained in this Contract to the contrary, no modification of this Contract shall be binding without mutual written consent of the Agency, and the Vendor.

24. WAIVER: The failure of either party to insist upon a strict performance of any of the terms or provision of this Contract, or to exercise any option, right, or remedy herein contained, shall not be construed as a waiver or a relinquishment for the future of such term, provision, option, right, or remedy, but the same shall continue in full force and effect. Any waiver must be expressly stated in writing and signed by the waiving party.

25. SUBSEQUENT FORMS: The terms and conditions contained in this Contract shall supersede any and all subsequent terms and conditions which may appear on any form documents submitted by Vendor to the Agency or Purchasing Division such as price lists, order forms, invoices, sales agreements, or maintenance agreements, and includes internet websites or other electronic documents. Acceptance or use of Vendor's forms does not constitute acceptance of the terms and conditions contained thereon.

26. ASSIGNMENT: Neither this Contract nor any monies due, or to become due hereunder, may be assigned by the Vendor without the express written consent of the Agency and any other government agency or office that may be required to approve such assignments.

27. WARRANTY: The Vendor expressly warrants that the goods and/or services covered by this Contract will: (a) conform to the specifications, drawings, samples, or other description furnished or specified by the Agency; (b) be merchantable and fit for the purpose intended; and (c) be free from defect in material and workmanship.

28. STATE EMPLOYEES: State employees are not permitted to utilize this Contract for personal use and the Vendor is prohibited from permitting or facilitating the same.

29. PRIVACY, SECURITY, AND CONFIDENTIALITY: The Vendor agrees that it will not disclose to anyone, directly or indirectly, any such personally identifiable information or other confidential information gained from the Agency, unless the individual who is the subject of the information consents to the disclosure in writing or the disclosure is made pursuant to the Agency's policies, procedures, and rules. Vendor further agrees to comply with the Confidentiality Policies and Information Security Accountability Requirements, set forth in www.state.wv.us/admin/purchase/privacy.

30. YOUR SUBMISSION IS A PUBLIC DOCUMENT: Vendor's entire response to the Solicitation and the resulting Contract are public documents. As public documents, they will be disclosed to the public following the bid/proposal opening or award of the contract, as required by the competitive bidding laws of West Virginia Code §§ 5A-3-1 et seq., 5-22-1 et seq., and 5G-1-1 et seq. and the Freedom of Information Act West Virginia Code §§ 29B-1-1 et seq.

DO NOT SUBMIT MATERIAL YOU CONSIDER TO BE CONFIDENTIAL, A TRADE SECRET, OR OTHERWISE NOT SUBJECT TO PUBLIC DISCLOSURE.

Submission of any bid, proposal, or other document to the Purchasing Division constitutes your explicit consent to the subsequent public disclosure of the bid, proposal, or document. The Purchasing Division will disclose any document labeled "confidential," "proprietary," "trade secret," "private," or labeled with any other claim against public disclosure of the documents, to include any "trade secrets" as defined by West Virginia Code § 47-22-1 et seq. All submissions are subject to public disclosure without notice.

31. LICENSING: In accordance with West Virginia Code of State Rules § 148-1-6.1.e, Vendor must be licensed and in good standing in accordance with any and all state and local laws and requirements by any state or local agency of West Virginia, including, but not limited to, the West Virginia Secretary of State's Office, the West Virginia Tax Department, West Virginia Insurance Commission, or any other state agency or political subdivision. Obligations related to political subdivisions may include, but are not limited to, business licensing, business and occupation taxes, inspection compliance, permitting, etc. Upon request, the Vendor must provide all necessary releases to obtain information to enable the Purchasing Division Director or the Agency to verify that the Vendor is licensed and in good standing with the above entities. Vendor shall notify all subcontractors providing commodities or services related to this Contract that as subcontractors, they too are required to be licensed, in good standing, and up-to-date on all state and local obligations as described in this section.

32. ANTITRUST: In submitting a bid to, signing a contract with, or accepting an Award Document from any agency of the State of West Virginia, the Vendor agrees to convey, sell, assign, or transfer to the State of West Virginia all rights, title, and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the State of West Virginia for price fixing and/or unreasonable restraints of trade relating to the particular commodities or services purchased or acquired by the State of West Virginia. Such assignment shall be made and become effective at the time the purchasing agency tenders the initial payment to Vendor.

33. VENDOR NON-CONFLICT: Neither Vendor nor its representatives are permitted to have any interest, nor shall they acquire any interest, direct or indirect, which would compromise the performance of its services hereunder. Any such interests shall be promptly presented in detail to the Agency.

34. VENDOR RELATIONSHIP: The relationship of the Vendor to the State shall be that of an independent contractor and no principal-agent relationship or employer-employee relationship is contemplated or created by this Contract. The Vendor as an independent contractor is solely liable for the acts and omissions of its employees and agents. Vendor shall be responsible for selecting, supervising, and compensating any and all individuals employed pursuant to the terms of this Solicitation and resulting contract. Neither the Vendor, nor any employees or subcontractors of the Vendor, shall be deemed to be employees of the State for any purpose whatsoever. Vendor shall be exclusively responsible for payment of employees and contractors for all wages and salaries, taxes, withholding payments, penalties, fees, fringe benefits, professional liability insurance premiums, contributions to insurance and pension, or other deferred compensation plans, including but not limited to, Workers' Compensation and Social Security obligations, licensing fees, etc. and the filing of all necessary documents, forms, and returns pertinent to all of the foregoing. Vendor shall hold harmless the State, and shall provide the State and Agency with a defense against any and all claims including, but not limited to, the foregoing payments, withholdings, contributions, taxes, Social Security taxes, and employer income tax returns.

35. INDEMNIFICATION: The Vendor agrees to indemnify, defend, and hold harmless the State and the Agency, their officers, and employees from and against: (1) Any claims or losses for services rendered by any subcontractor, person, or firm performing or supplying services, materials, or supplies in connection with the performance of the Contract; (2) Any claims or losses resulting to any person or entity injured or damaged by the Vendor, its officers, employees, or subcontractors by the publication, translation, reproduction, delivery, performance, use, or disposition of any data used under the Contract in a manner not authorized by the Contract, or by Federal or State statutes or regulations; and (3) Any failure of the Vendor, its officers, employees, or subcontractors to observe State and Federal laws including, but not limited to, labor and wage and hour laws.

36. NO DEBT CERTIFICATION: In accordance with West Virginia Code §§ 5A-3-10a and 5-22-1(i), the State is prohibited from awarding a contract to any bidder that owes a debt to the State or a political subdivision of the State. By submitting a bid, or entering into a contract with the State, Vendor is affirming that (1) for construction contracts, the vendor is not in default on any monetary obligation owed to the state or a political subdivision of the state, and (2) for all other contracts, that neither vendor nor any related party owe a debt as defined above and that neither Vendor nor any related party are in employer default as defined in the statute cited above unless the debt or employer default is permitted under the statute.

37. CONFLICT OF INTEREST: Vendor, its officers or members or employees, shall not presently have or acquire an interest, direct or indirect, which would conflict with or compromise the performance of its obligations hereunder. Vendor shall periodically inquire of its officers, members and employees to ensure that a conflict of interest does not arise. Any conflict of interest discovered shall be promptly presented in detail to the Agency.

38. REPORTS: Vendor shall provide the Agency and/or the Purchasing Division with the following reports identified by a checked box below:

Such reports as the Agency and/or the Purchasing Division may request. Requested reports may include, but are not limited to, quantities purchased, agencies utilizing the contract, total contract expenditures by agency, etc.

Quarterly reports detailing the total quantity of purchases in units and dollars, along with a listing of purchases by agency. Quarterly reports should be delivered to the Purchasing Division via email at purchasing.division@wv.gov.

39. BACKGROUND CHECK: In accordance with W. Va. Code § 15-2D-3, the State reserves the right to prohibit a service provider's employees from accessing sensitive or critical information or to be present at the Capitol complex based upon results addressed from a criminal background check. Service providers should contact the West Virginia Division of Protective Services by phone at (304) 558-9911 for more information.

40. PREFERENCE FOR USE OF DOMESTIC STEEL PRODUCTS: Except when authorized by the Director of the Purchasing Division pursuant to W. Va. Code § 5A-3-56, no contractor may use or supply steel products for a State Contract Project other than those steel products made in the United States. A contractor who uses steel products in violation of this section may be subject to civil penalties pursuant to W. Va. Code § 5A-3-56. As used in this section:

a. “State Contract Project” means any erection or construction of, or any addition to, alteration of or other improvement to any building or structure, including, but not limited to, roads or highways, or the installation of any heating or cooling or ventilating plants or other equipment, or the supply of and materials for such projects, pursuant to a contract with the State of West Virginia for which bids were solicited on or after June 6, 2001.

b. “Steel Products” means products rolled, formed, shaped, drawn, extruded, forged, cast, fabricated or otherwise similarly processed, or processed by a combination of two or more or such operations, from steel made by the open hearth, basic oxygen, electric furnace, Bessemer or other steel making process. The Purchasing Division Director may, in writing, authorize the use of foreign steel products if:

c. The cost for each contract item used does not exceed one tenth of one percent (.1%) of the total contract cost or two thousand five hundred dollars (\$2,500.00), whichever is greater. For the purposes of this section, the cost is the value of the steel product as delivered to the project; or

d. The Director of the Purchasing Division determines that specified steel materials are not produced in the United States in sufficient quantity or otherwise are not reasonably available to meet contract requirements.

41. PREFERENCE FOR USE OF DOMESTIC ALUMINUM, GLASS, AND STEEL: In Accordance with W. Va. Code § 5-19-1 et seq., and W. Va. CSR § 148-10-1 et seq., for every contract or subcontract, subject to the limitations contained herein, for the construction, reconstruction, alteration, repair, improvement or maintenance of public works or for the purchase of any item of machinery or equipment to be used at sites of public works, only domestic aluminum, glass or steel products shall be supplied unless the spending officer determines, in writing, after the receipt of offers or bids, (1) that the cost of domestic aluminum, glass or steel products is unreasonable or inconsistent with the public interest of the State of West Virginia, (2) that domestic aluminum, glass or steel products are not produced in sufficient quantities to meet the contract requirements, or (3) the available domestic aluminum, glass, or steel do not meet the contract specifications. This provision only applies to public works contracts awarded in an amount more than fifty thousand dollars (\$50,000) or public works contracts that require more than ten thousand pounds of steel products.

The cost of domestic aluminum, glass, or steel products may be unreasonable if the cost is more than twenty percent (20%) of the bid or offered price for foreign made aluminum, glass, or steel products. If the domestic aluminum, glass or steel products to be supplied or produced in a “substantial labor surplus area”, as defined by the United States Department of Labor, the cost of domestic aluminum, glass, or steel products may be unreasonable if the cost is more than thirty percent (30%) of the bid or offered price for foreign made aluminum, glass, or steel products. This preference shall be applied to an item of machinery or equipment, as indicated above, when the

item is a single unit of equipment or machinery manufactured primarily of aluminum, glass or steel, is part of a public works contract and has the sole purpose or of being a permanent part of a single public works project. This provision does not apply to equipment or machinery purchased by a spending unit for use by that spending unit and not as part of a single public works project.

All bids and offers including domestic aluminum, glass or steel products that exceed bid or offer prices including foreign aluminum, glass or steel products after application of the preferences provided in this provision may be reduced to a price equal to or lower than the lowest bid or offer price for foreign aluminum, glass or steel products plus the applicable preference. If the reduced bid or offer prices are made in writing and supersede the prior bid or offer prices, all bids or offers, including the reduced bid or offer prices, will be reevaluated in accordance with this rule.

42. PROHIBITION AGAINST USED OR REFURBISHED: Unless expressly permitted in the solicitation published by the State, Vendor must provide new, unused commodities, and is prohibited from supplying used or refurbished commodities, in fulfilling its responsibilities under this Contract.

43. VOID CONTRACT CLAUSES – This Contract is subject to the provisions of West Virginia Code § 5A-3-62, which automatically voids certain contract clauses that violate State law.

DESIGNATED CONTACT: Vendor appoints the individual identified in this Section as the Contract Administrator and the initial point of contact for matters relating to this Contract.

Rifat Habib
Business Development Exec.

(Printed Name and Title)

1331 South International Parkway, Suite 2251, Lake Mary, Florida 32746

(Address)

(407) 359-2373 (407) 359-2372

(Phone Number) / (Fax Number)

tii@tii-usa.com

(E-mail address)

CERTIFICATION AND SIGNATURE: By signing below, or submitting documentation through *wvOASIS*, I certify that I have reviewed this Solicitation in its entirety; that I understand the requirements, terms and conditions, and other information contained herein; that this bid, offer or proposal constitutes an offer to the State that cannot be unilaterally withdrawn; that the product or service proposed meets the mandatory requirements contained in the Solicitation for that product or service, unless otherwise stated herein; that the Vendor accepts the terms and conditions contained in the Solicitation, unless otherwise stated herein; that I am submitting this bid, offer or proposal for review and consideration; ; that this bid or offer was made without prior understanding, agreement, or connection with any entity submitting a bid or offer for the same material, supplies, equipment or services; that this bid or offer is in all respects fair and without collusion or fraud; that this Contract is accepted or entered into without any prior understanding, agreement, or connection to any other entity that could be considered a violation of law; that I am authorized by the Vendor to execute and submit this bid, offer, or proposal, or any documents related thereto on Vendor's behalf; that I am authorized to bind the vendor in a contractual relationship; and that to the best of my knowledge, the Vendor has properly registered with any State agency that may require registration.

By signing below, I further certify that I understand this Contract is subject to the provisions of West Virginia Code § 5A-3-62, which automatically voids certain contract clauses that violate State law.

Technology International, Inc.

(Company)



(Signature of Authorized Representative)

Rifat Habib
Business Development Exec.

(Printed Name and Title of Authorized Representative)

12-13-2022

(Date)

(407) 359-2373 (407) 359-2372

(Phone Number) (Fax Number)

Revised 09/12/2022

REQUEST FOR QUOTATION
Steel Casing Pipe

SPECIFICATIONS

1. **PURPOSE AND SCOPE:** The West Virginia Purchasing Division is soliciting bids on behalf of the West Virginia Division of Highways - District 10, to establish a contract for the one-time purchase of steel casing pipe.

2. **DEFINITIONS:** The terms listed below shall have the meanings assigned to them below. Additional definitions can be found in section 2 of the General Terms and Conditions.

2.1 **“Contract Item”** means as more fully described by these specifications.

2.2 **“Pricing Page”** means the pages, contained in wvOASIS or attached as Exhibit A, upon which Vendor should list its proposed price for the Contract Items.

2.3 **“Solicitation”** means the official notice of an opportunity to supply the State with goods or services that is published by the Purchasing Division.

3. **GENERAL REQUIREMENTS:**

3.1 **Mandatory Contract Item Requirements:** Contract Item must meet or exceed the mandatory requirements listed below.

3.1.1 From Specification 718.12 of the West Virginia Division of Highways Standard Specifications, Roads and Bridges, 2017 – Casing Pipe (Steel) shall conform to the following: ASTM A53, Grade B, ASTM A139, Grade B or ASTM A252, Graded 2.

4. **CONTRACT AWARD:**

4.1 **Contract Award:** The Contract is intended to provide Agencies with a purchase price for the Contract Items. The Contract shall be awarded to the Vendor that provides the Contract Items meeting the required specifications for the lowest overall total cost as shown on the Pricing Pages Exhibit A.

4.2 **Pricing Page:** Vendor should complete the Pricing Page by unit cost and total cost. Vendor should complete the Pricing Page in full as failure to complete the Pricing Page in its entirety may result in Vendor’s bid being disqualified.

REQUEST FOR QUOTATION
Steel Casing Pipe

Vendor should type or electronically enter the information into the Pricing Page to prevent errors in the evaluation.

5. PAYMENT:

5.1 Payment: Vendor shall accept payment in accordance with the payment procedures of the State of West Virginia. **This purchase will be submitted through Accounts Payable to issue a check once all materials have been received.**

6. DELIVERY AND RETURN:

6.1 Shipment and Delivery: Vendor shall ship the Contract Items immediately after being awarded this Contract and receiving a purchase order or notice to proceed. Vendor shall deliver the Contract Items within 30 working days after awarded this contract and receiving a purchase order or notice to proceed. Contract Items must be delivered to Agency at West Virginia Division of Highways located at 270 Hardwood Lane Princeton, WV 24740.

Trucks must call for appointment and must be spread out at least 45 minutes between loads, delivery times from 7:00 AM to 3:30 PM, DUE to COVID 19 there may be selected days for delivery.

Contact for delivery Debrina Woods 304-716-3061
 Angela Roske 304-716-3019

6.2 Late Delivery: The Agency placing the order under this Contract must be notified in writing if the shipment of the Contract Items will be delayed for any reason. Any delay in delivery that could cause harm to an Agency will be grounds for cancellation of the Contract, and/or obtaining the Contract Items from a third party.

Any Agency seeking to obtain the Contract Items from a third party under this provision must first obtain approval of the Purchasing Division.

6.3 Delivery Payment/Risk of Loss: Vendor shall deliver the Contract Items F.O.B. destination to the Agency's location.

6.4 Return of Unacceptable Items: If the Agency deems the Contract Items to be unacceptable, the Contract Items shall be returned to Vendor at Vendor's expense and with no restocking charge. Vendor shall either make arrangements for the return within five (5) days of being notified that items are unacceptable or permit the Agency to arrange for the return and reimburse Agency for delivery expenses. If the

REQUEST FOR QUOTATION
Steel Casing Pipe

original packaging cannot be utilized for the return, Vendor will supply the Agency with appropriate return packaging upon request. All returns of unacceptable items shall be F.O.B. the Agency's location. The returned product shall either be replaced, or the Agency shall receive a full credit or refund for the purchase price, at the Agency's discretion.

- 6.5 Return Due to Agency Error:** Items ordered in error by the Agency will be returned for credit within 30 days of receipt, F.O.B. Vendor's location. Vendor shall not charge a restocking fee if returned products are in a resalable condition. Items shall be deemed to be in a resalable condition if they are unused and in the original packaging. Any restocking fee for items not in a resalable condition shall be the lower of the Vendor's customary restocking fee or 5% of the total invoiced value of the returned items.

7. VENDOR DEFAULT:

7.1 The following shall be considered a vendor default under this Contract.

7.1.1 Failure to provide Contract Items in accordance with the requirements contained herein.

7.1.2 Failure to comply with other specifications and requirements contained herein.

7.1.3 Failure to comply with any laws, rules, and ordinances applicable to the Contract Services provided under this Contract.

7.1.4 Failure to remedy deficient performance upon request.

7.2 The following remedies shall be available to Agency upon default.

7.2.1 Immediate cancellation of the Contract.

7.2.2 Immediate cancellation of one or more release orders issued under this Contract.

7.2.3 Any other remedies available in law or equity.

8. MISCELLANEOUS:

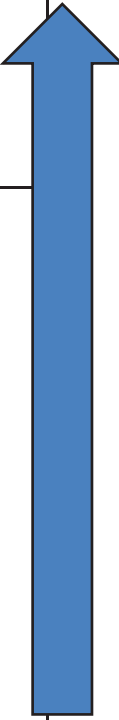
- 8.1** In the event of a significant price increase of material or rental equipment planned for use on a public improvement project, that occurs during the time between bid submission and contract award, and that is not the fault of the Vendor, the contract sum, or contract requirements, may be equitably adjusted by change order in

REQUEST FOR QUOTATION
Steel Casing Pipe

accordance with the procedures specified in the relevant procurement law or contract documents. A change in price is considered significant if the price of the material or rental equipment increases by 20% or more between the date of bid submission and the date of contract award. The total amount of all change orders issued to account for price increases under this Escalation Clause may not exceed 10% of the total contract price. Any request for a price increase under this clause must be supported by: price quotes included with the Vendor's bid for the materials or rental equipment for which a change is being sought; invoices showing amounts actually paid for the materials or rental equipment; and any other evidence that supports the increase request. The quotes included in the bid must be the quotes that Vendor actually relied on when submitting its bid and both the quote and the amount ultimately paid must have resulted from an arm's length transaction with an unrelated party. The Vendor must also show that the significant price increase would have been incurred if the owner had purchased the material or rental equipment directly from the supplier.

Exhibit A - Pricing Page

Item Number	Quantity	Unit of Measure	Description	Unit Cost	Total
1	180	LF	30-inch Diameter, 0.375 inch Thickness Steel Casing Pipe	\$137.57	\$24,762.60
				\$	-
				\$	-
				\$	-
				\$	-
Grand Total				\$	\$24,762.60





Technology International, Inc.
 1331 South International Pkwy, Suite 2251
 Lake Mary, FL 32746
 Tel: (407) 359-2373
 Fax: (407) 359-2372
 E-mail: tii@tii-usa.com
 Website: www.tii-usa.com

Equipment Proposal

Title: Thick Steel Casing Pipe
Solicitation: ARFQ-0803-DOT2300000033
Agency: State of West Virginia
TII Ref: TII/WV/1222/25399
Date: 12/13/2022

In response to your quote request for Thick Steel Casing Pipe, Technology International, Inc. is pleased to submit the following for consideration:

ITEM NO.	QTY	DESCRIPTION/ MODEL NO.	UNIT PRICE	EXTD. PRICE
1	180ft	30" OD x .375w Steel Casing Pipe Produced to ASTM A 252 Gr 3 x 20' lengths.	\$137.57	\$24,762.60
See attached data sheets				
Total.....\$24,762.60				

Warranty: Manufacturer’s Standard warranty applies.

Delivery:

- Estimated delivery is **12 Weeks** after receipt of order and approved submittal.
- Please note, due to COVID-19 there may be unanticipated disruptions and delays in the supply chains globally, for parts, components, equipment and internal manufacturing services such as engineering, production allocation, and logistics. This may result in manufacturing & delivery delays out of our control. We will do our best to communicate all such impacts and reduce the effects of any such delays.
- All delivery dates quoted are subject to manufacturer’s confirmation at time of order.
- Submittal data will be provided for approval after receipt of order (if applicable)
- Customer to provide equipment and personnel to unload

- TII will provide MSO at time of payment confirmation. Customer is responsible for all titling and registration of trailer (If Applicable)

Freight: Included to Princeton, WV

Quote Validity: 30 days.

Payment Terms: NET 30

Prompt Payment discount: 1/4 % 10 days

Technology International, Inc. Corporate data:

We are a small business and our Tax Payer Identification Number (TIN): 650342335. The above price quoted does not include any sales, excise or similar taxes.

We trust that this proposal will meet your requirements and we look forward to hearing from you.

If you have any questions or need more information, please contact us by phone at 407-359-2373, fax at 407-359-2372 or email us at tii@tii-usa.com

Respectfully submitted,



Rifat Habib
Business Development Exec.
Technology International, Inc.

Welcome to Newton!



OUR MISSION

**GROW THE CORE
EXPAND BEYOND
LIVE OUR CULTURE**

OUR CHALLENGE IS
**TO BECOME THE WORLD'S
SAFEST STEEL COMPANY.**

WE LIVE EACH DAY WITH
GRATITUDE

FOR THE FAMILIES, CUSTOMERS
AND PARTNERS THAT MAKE OUR
WORK POSSIBLE.

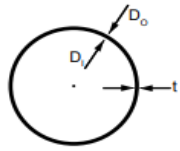
NUCOR
POWERFUL PARTNERSHIPS. POWERFUL RESULTS.

Newton Capabilities/Strengths:

- Rolled and Welded Casing
 - 24" – 192" OD
 - .250" – 2" Nominal Thickness
- 30+ teammates with an average tenure of 20+ years experience.
- We have two primary buildings, both with independent lead-times:
 - East shop - produces smaller pipe from 24" – 96" dia. at thicknesses of .250" - .750"
 - West shop - produces larger pipe from 30" – 192" dia. at thicknesses up to 2".
- Depending on sizing/timing, we are able to provide quicker lead-times than PSW or ERW, especially if we have plate steel &/or coil on hand.
- In-House testing: Full D1.1/D1.5 Code Capability – UT Level 2 Certification and CWI's on staff
- NDT – In-house Ultrasonic. Mag Particle, other NDT available by 3rd party.
- Destructive Testing – Tensile, Yield, Charpy Impact can be provided using 3rd party.
- De-coiling – We are able to process coils from .3125" up to .750", increasing turn-around time and reduces scrap per job.
- Rail & Truck Capabilities
- End Attachments & Fabrication
 - Reinforcing Bands/Driving Bands
 - Cutting Shoes
 - Points/Plates
 - Cutting Teeth
 - Rolled Channel and Angle Iron
 - Twisting Slots/Pick Eyes/Lifting Lugs
 - If you draw it we can do it!
- Sheet Pile Rental & Pairing –

for details/requirements specific to rentals.

Steel Specs – Manufacturing Specs



APPROXIMATE VALUES	
Pipe Weight (lbs/ft) = 10.69*t*(D _o -t)	
D _o (in) - outside diameter	
t (in) - thickness of pipe	
Pipe Weight (kg/m) = 0.0247*t*(D _o -t)	
D _o (mm) - outside diameter	
t (mm) - thickness of pipe	

Outside Diameter (D _o) in (mm)	PIPE WEIGHT lbs/ft (kg/m)															Coating Area ft ² /ft m ² /m
	Wall Thickness (t) in (mm)															
	0.250 6.35	0.312 7.92	0.375 9.52	0.438 11.13	0.500 12.70	0.562 14.27	0.625 15.87	0.688 17.48	0.750 19.05	0.875 22.22	1.000 25.40	1.250 31.75	1.375 34.92	150 - 2.25 38.10 - 57.15		
24 609.6	63.47 94.47	79.01 117.59	94.71 140.96	110.32 164.20	125.61 186.95	140.81 209.58	156.18 232.44	171.46 255.18	186.41 277.44							6.28 1.92
30 762.0	79.51 118.34	99.02 147.37	118.76 176.76	138.42 206.01	157.68 234.68	196.26 283.23	229.21 330.86	259.71 372.86	272.43 399.04	310.01 448.41						7.85 2.39
36 914.4	95.54 142.20	119.03 177.16	142.81 212.56	166.51 248.83	199.75 292.41	236.35 346.88	269.71 398.54	297.71 437.20	328.62 478.00	374.15 536.87	464.35 669.12					9.42 2.87
42 1066.8	111.58 166.07	139.04 206.94	166.87 248.35	194.61 289.64	221.82 330.15	248.95 370.53	276.44 411.44	303.84 452.22	330.73 492.23	384.68 572.53	438.30 652.34	544.53 810.45	597.14 888.76			11.00 3.35
48 1219.2	127.61 189.93	159.05 236.73	190.92 284.15	222.70 331.45	253.89 377.88	285.00 424.18	316.53 471.10	347.97 517.90	378.83 563.83	440.80 656.06	502.44 747.80	624.71 929.78	685.34 1020.02	Max. wall thickness of 150" (381mm). Please call for weight.		12.57 3.83
54 1371.6	143.65 213.80	179.07 266.51	214.97 319.95	250.79 373.27	285.96 425.61	321.05 477.83	356.62 530.77	392.10 583.58	426.94 635.43	496.92 739.59	566.58 843.26	704.88 1049.11	773.53 1151.28			14.14 4.31
60 1524.0	159.68 237.66	199.08 296.30	239.02 355.75	278.89 415.08	318.03 473.34	357.10 531.48	396.70 590.43	436.23 649.26	475.04 707.03	553.05 823.13	630.72 938.73	785.06 1168.44	861.73 1282.54	Max. wall thickness of 1625" (413mm). Please call for weight.		15.71 4.79
66 1676.4	175.72 261.53	219.09 326.08	263.08 391.55	306.98 456.89	350.10 521.07	393.14 585.13	436.79 650.10	480.35 714.94	523.15 778.63	609.17 906.66	694.86 1034.19	865.23 1287.77	949.92 1413.81			17.28 5.27
72 1828.8	191.75 285.40	239.10 355.87	287.13 427.35	335.07 498.70	382.17 568.80	429.19 638.78	476.88 709.76	524.49 780.62	571.25 850.22	665.29 990.19	759.00 1129.65	945.41 1407.90	1038.11 1545.07			18.85 5.75
78 1981.2	207.79 309.26	259.11 385.65	311.18 463.15	363.17 540.52	414.24 616.54	465.24 692.43	516.97 769.43	568.62 846.30	619.36 921.82	721.42 1073.72	823.14 1225.12	1025.59 1526.42	1126.31 1676.33	Max. wall thickness of 175" (443mm). Please call for weight.		20.42 6.22
84 2133.6	223.82 333.13	279.13 415.44	335.24 498.95	391.26 582.33	446.31 664.27	501.28 746.08	557.06 829.09	612.74 911.98	667.47 993.42	777.54 1157.25	887.28 1320.58	1105.76 1645.75	1214.50 1807.60			21.99 6.70
90 2286.0	239.86 356.99	299.14 445.22	359.29 534.75	419.35 624.14	478.38 712.00	537.33 799.73	597.14 888.76	656.87 977.65	715.57 1065.02	833.66 1240.78	951.42 1416.04	1185.94 1765.08	1302.69 1938.86			23.56 7.18
96 2438.4	255.90 380.86	319.15 475.01	383.34 570.54	447.45 665.96	510.45 759.73	573.38 853.38	637.23 948.42	701.00 1043.33	763.68 1136.61	889.79 1324.31	1015.56 1511.51	1266.11 1884.41	1390.89 2070.12			25.13 7.66
102 2590.8	271.93 404.73	339.16 504.79	407.39 606.34	475.54 707.77	542.52 807.46	609.43 907.03	677.32 1008.09	745.13 1109.01	811.78 1208.21	945.91 1407.84	1079.70 1606.97	1346.29 2003.74	1479.08 2201.38	Max. wall thickness of 200" (508mm). Please call for weight.		26.70 8.34
108 2743.2	287.97 428.59	359.17 534.58	431.45 642.14	503.64 749.58	574.60 855.20	645.47 960.69	717.41 1076.75	789.26 1174.69	859.89 1279.81	1002.03 1491.37	1143.85 1702.44	1426.47 2123.07	1567.27 2332.65			28.27 8.62
114 2895.6	304.00 452.46	379.19 564.36	455.50 677.94	531.73 791.40	606.67 902.93	681.52 1014.34	757.50 1127.42	833.39 1240.37	907.99 1351.41	1058.16 1574.90	1207.99 1797.90	1506.64 2242.40	1655.47 2463.91			29.85 9.10
120 3048.0	320.04 476.32	399.20 594.14	479.55 713.74	559.82 833.21	638.74 950.66	717.57 1067.99	797.58 1187.08	877.52 1306.05	956.10 1423.01	1114.28 1658.43	1272.13 1893.36	1586.82 2361.73	1743.66 2595.17			31.42 9.58
126 3200.4		419.21 623.93	503.61 749.54	587.92 875.02	670.81 998.39	753.61 1121.64	837.67 1246.75	921.65 1371.73	1004.21 1494.60	1170.40 1741.96	1336.27 1988.83	1666.99 2481.06	1831.86 2726.43			32.99 10.05
132 3352.8		439.22 653.71	527.66 785.34	616.01 916.84	702.88 1046.12	789.66 1175.23	877.76 1306.41	965.78 1437.41	1052.31 1556.20	1226.53 1825.49	1400.41 2084.29	1747.17 2600.39	1920.05 2857.70			34.56 10.53
138 3505			551.71 821.14	644.10 958.65	734.95 1093.85	825.71 1228.94	917.85 1366.08	1009.90 1503.09	1100.42 1637.80	1282.65 1909.03	1464.55 2179.75	1827.35 2719.75	2008.24 2988.96	Max. wall thickness of 225" (573mm). Please call for weight.		36.13 11.01
144 3657.6			575.76 856.94	672.20 1000.46	767.02 1141.59	861.76 1282.59	957.94 1425.74	1054.03 1568.77	1148.52 1709.40	1338.77 1992.56	1528.69 2275.22	1907.52 2839.05	2096.44 3120.22			37.70 11.49
150 3810.0			599.82 892.73	700.29 1042.28	799.09 1189.32	897.80 1338.24	998.02 1485.41	1098.16 1634.44	1196.63 1780.99	1394.90 2076.09	1592.83 2370.68	1987.70 2958.38	2184.63 3251.48			39.27 11.97
156 3962.4			623.87 928.53	728.39 1084.09	831.16 1237.05	933.85 1389.89	1038.11 1545.07	1142.29 1700.12	1244.73 1852.59	1451.02 2159.62	1656.97 2466.15	2067.87 3077.71	2272.82 3382.75			40.84 12.45
162 4114.8			756.48 1125.90	863.23 1284.78	969.90 1443.54	1078.20 1604.73	1186.42 1765.80	1292.84 1924.19	1507.14 2243.15	1721.11 2561.61	2148.05 3197.04	2361.02 3514.01				42.41 12.93
168 4267.2			784.57 1167.71	895.30 1332.51	1005.94 1497.19	1118.29 1664.40	1230.55 1831.48	1340.94 1995.79	1563.27 2326.68	1785.25 2657.07	2228.23 3316.37	2449.21 3645.27				43.98 13.41
169-204 4293 - 5182																Please call for weight.

Steel Pipe Specification

When specifying steel pipe it is important to note that there are often multiple ASTM specifications involved. Steel plate, for the production of rolled and welded pipe, is often manufactured to specifications like A36, A572, & A709.

Pipe manufacturing is different from steel grade and falls under specifications like A139 and A252. These specifications control the manufacturing tolerances of the pipe.

If the designer requires a steel grade that is more specific than the requirements that are described in A252 or other pipe manufacturing specifications it would be acceptable to specify steel pipe like below.

A252 Gr. 3 with physical and chemical requirements that meet A572 Gr. 55

Pipe Manufacturing Specifications

ASTM	YIELD STRENGTH		ASTM	YIELD STRENGTH	
	ksi	MPa		ksi	MPa
A 139 Grade A	30	205	A 252 Grade 1	30	205
A 139 Grade B	35	240	A 252 Grade 2	35	240
A 139 Grade C	42	290	A 252 Grade 3	45	310
A 139 Grade D	46	315	A 252 Grade 3 (Mod)	50	345
A 139 Grade E	52	360			

Highlighted fields represent the most commonly used and readily available steel grades. Additional grades available upon request.

Steel Specification

ASTM	YIELD STRENGTH		ASTM	YIELD STRENGTH	
	ksi	MPa		ksi	MPa
A 36	36	250	A 516 Grade 55	30	205
A 572 Grade 42	42	290	A 516 Grade 60	32	220
A 572 Grade 50	50	345	A 516 Grade 65	35	240
A 572 Grade 55	55	380	A 516 Grade 70	38	260
A 572 Grade 60	60	415			
A 572 Grade 65	65	450			
A 588	50	345			

Information can be found at Skyline Steel website.

Manufacturing Processes

- Plasma Cut



A single flat sheet of plate steel is cut on a CNC controlled burning table using plasma. Plate is cut-to-fit according to the required width and length for each individual can that will form the final product. Bevel edges are also applied as part of the cut process for longitudinal seam and mid-welds.

**Important*:*

It is crucial your dimensions are exactly what you need for your pipe before the start this section of the process. Once material is cut, reordering from mill and additional lead-time are required which will cause delays.

Additional capabilities:

End Plates

Custom Parts

Manufacturing Processes

- Plate Rolls



After plasma cut process, the plate steel is transferred to the bending rolls. Nucor Skyline uses a 4-roll system to produce a true cylinder, also referred to as a can. Plates rolls are CNC controlled for accuracy along with fully qualified and experienced Skyline teammates. Once can is completed on the rolls it will be verified for quality and accuracy to ensure it meets customer specifications.

Manufacturing Processes

- Long Seam

Laser guided Lincoln submerged arc welder is used to complete the internal longitudinal seam. All welds are visually monitored by certified welder and assisted by video monitoring capabilities.

Tabs are welded in place at the beginning and end of the seam to ensure the weld material fills the entire seam. Once weld is complete, tabs are removed along with excess and inspected.



Manufacturing Processes

- Tac & Fit / Circumferential Seam / Fabrication

As cans are completed at long seam station, they are then moved to tac & fit stations where they are aligned end to end and tac welded together. Once tac weld is completed, we use laser guided Lincoln submerged arc welder to complete the internal circumferential seams. This process is repeated until the full length of the pipe per customer expectations is completed. Fabrication may be done at this process step depending on requirements.



Manufacturing Processes

- OD Sub-Arc / Fabrication



Once the finished length pipe is completed at the tac & fit station, it is then moved to OD sub-arc station. Laser guided Lincoln submerged arc welder technology is used to complete the outside longitudinal and circumferential seams. Once entire pipe is complete it undergoes final quality inspection. Fabrication &/or UT may be done at this process step depending on requirements. Once complete, pipe taken outside for shipment.



Manufacturing Processes

- UT / Quality Control



Once the welding is complete, the finished pipe is visually inspected by Quality Control (QC) as required. Ultrasonic (UT) testing can also be performed as required, to ensure the weld is acceptable according to relevant code.

Notable Project Accomplishment:

- Tappan Zee Bridge project – 20,000 tons / 72” & 48” x 1” wall, from Sept. 2013 – Mar. 2015 with <1% overall weld repair rate per D1.5 UT.

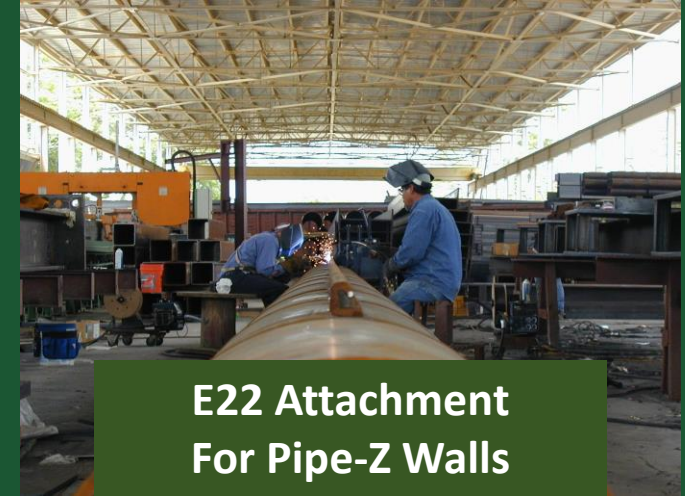
Fabrication Capabilities



Bracing



End Plate Attachment



**E22 Attachment
For Pipe-Z Walls**



Twisting Slots



Cutting Teeth



Conical Pipe Points



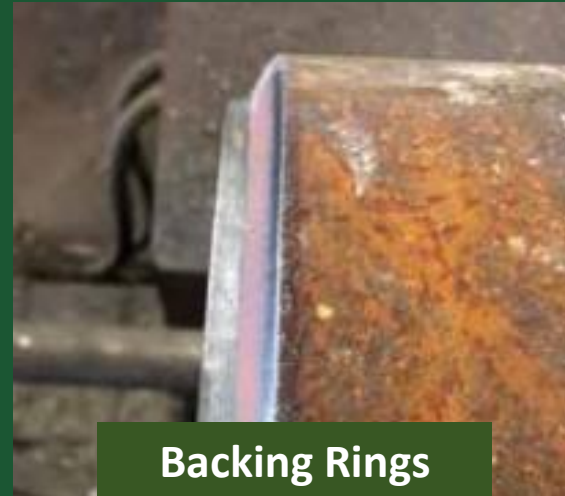
Fabrication Capabilities



Oscillator Casing



Leffer Ring



Backing Rings



Rock Crusher



Cutting Shoes



Weld-on Splicers



Reducers



Custom Fabrication

Nucor Skyline Newton R&W Pics

