



Print Form

Sole Source Justification (Reference Article 6, Procurement Source Selection Methods and Contract Awards, § 1-10-56 SOLE SOURCE PROCUREMENT)

Vendor: Bearings and Drives Inc E-Verify Number: 155500

Commodity: Screw jacks for Canal gate

Estimated annual expenditure for the above commodity or service: \$ 69,200.00

Initial all entries below that apply to the proposed purchase. Attach a memorandum containing complete justification and support documentation as directed in initialed entry. (More than one entry will apply to most sole source products/services requested).

- _____ 1. SOLE SOURCE REQUEST IS FOR THE ORIGINAL MANUFACTURER OR PROVIDER, THERE ARE NO REGIONAL DISTRIBUTORS. (Attach the manufacturer's written certification that no regional distributors exist. Item no. 4 also must be completed.)
- _____ 2. SOLE SOURCE REQUEST IS FOR ONLY THE AUGUSTA GEORGIA AREA DISTRIBUTOR OF THE ORIGINAL MANUFACTURER OR PROVIDER. (Attach the manufacturer's — not the distributor's — written certification that identifies all regional distributors. Item no. 4 also must be completed.)
- _____ 3. THE PARTS/EQUIPMENT ARE NOT INTERCHANGEABLE WITH SIMILAR PARTS OF ANOTHER MANUFACTURER. (Explain in separate memorandum.)
- X _____ 4. THIS IS THE ONLY KNOWN ITEM OR SERVICE THAT WILL MEET THE SPECIALIZED NEEDS OF THIS DEPARTMENT OR PERFORM THE INTENDED FUNCTION. (Attach memorandum with details of specialized function or application.)
- _____ 5. THE PARTS/EQUIPMENT ARE REQUIRED FROM THIS SOURCE TO PERMIT STANDARDIZATION. (Attach memorandum describing basis for standardization request.)
- _____ 6. NONE OF THE ABOVE APPLY. A DETAILED EXPLANATION AND JUSTIFICATION FOR THIS SOLE SOURCE REQUEST IS CONTAINED IN ATTACHED MEMORANDUM.

The undersigned requests that competitive procurement be waived and that the vendor identified as the supplier of the service or material described in this sole source justification be authorized as a sole source for the service or material.

Name: Stephen Orton Department: 4416 Date: 6/30/2026

Department Head Signature: [Signature] Date: 30 Jun 26

Approval Authority: [Signature] Date: 07/06/2026

Administrator Approval: (required not required) Date: _____

COMMENTS:

Commission Approval Required



UTILITIES DEPARTMENT

Wes Byne, P.E.
Director

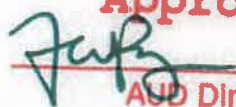
TO: Andy Penick
Director, Procurement Department

THRU: Wes Byne, P.E.
Director, Utilities Department

FROM: Stephen Orton P.E.

DATE: 6/30/2026

SUBJECT: JUSTIFICATION FOR SOLE SOURCE

Approved:

AUD Director

Bearings and Drives Inc. is the sole authorized supplier capable of providing the custom-engineered gear jack system required for Pump #9 at the Raw Water Pumping Station. The company is the established representative and supplier of the existing gear jack equipment currently installed throughout the facility, providing the technical expertise and product knowledge necessary to ensure complete compatibility with our existing infrastructure.

This project involves replacing the original hydraulic gate operating system with a custom-designed mechanical gear jack assembly engineered specifically for the Pump #9 intake gate. The new system will provide improved gate control while eliminating the potential for hydraulic fluid contamination of the raw water canal, thereby reducing environmental risk, improving system reliability, and lowering long-term maintenance requirements.

Awarding this purchase to another vendor would require the development of an alternate design, introduce compatibility and integration concerning existing equipment, increase engineering and commissioning costs, and create unnecessary maintenance and spare parts inventory challenges. Standardizing on the existing gear jack manufacturer and representative also ensures consistent operation, readily available replacement parts, and continued technical support.

For these reasons, Bearings and Drives Inc. is the only source that can provide the required custom-engineered solution while maintaining compatibility with the Authority's existing equipment and meeting the operational, environmental, and reliability requirements of this critical infrastructure project.

Dear Stephen Orton,

I hope this reaches you well. I wanted to reach out regarding the screw jacks that we are working with B&D Industrial on to help you guys. B&D Industrial brought us in for support on quoting the jacks based on your needs. We have worked with the B&D team and engineers to design this custom screw jack specific to your application. Typically, with custom designs, we would work with one distributor, and in this case that is B&D Industrial.

With this being said, B&D Industrial is the only company that has worked with us on designing this jack to fit your application. This is a custom piece that has taken some engineering to design for you all. B&D Industrial is the sole source for this screw jack based on design/engineering.

Regards,

Tom Yardito

Tom Yardito 06/29/2026

Regional Sales Manager – Joyce/Dayton

AUGUSTA UTILITIES DEPARTMENT IN-HOUSE REQUISITION

CHECK ALL THAT APPLY:

DATE: 6/30/2026
DIVISION Facilities Maintenance
FUND #: 506043580 5425110
SHIP TO:

☒ WATER ☐ EQUIPMENT ☐ CHEMICAL ☐ LAB ☐ IT ☐ ROUTINE
☐ SEWER ☐ TOOLS ☐ GASES ☐ UNIFORM ☐ SCADA ☐ EMERGENCY
☐ SUPPLIES ☐ SAFETY ☐ REPAIR ☐ LIFT STATION ☐ INVENTORY ☒ SOLE SOURCE
☒ SERVICE ☐ OFFICE ☐ MAINTENANCE ☒ OTHER ☐ BID ITEM ☐ PREFER ITEM

VENDOR: Bearings and Drives, Inc
ADDRESS: p.o box 4325 Macon, Ga 31208
PHONE #: 706-707-7265
QUOTED BY: Scott Cotton

ITEM #	ITEM DESCRIPTION	QUANTITY	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE
1.	50 Ton Guide Screw Jack	3	21,900.00	65,700.00		0.00		0.00
2.	RWJT115045-192.00-STD-X			0.00		0.00		0.00
3.	STD-X			0.00		0.00		0.00
4.				0.00		0.00		0.00
5.				0.00		0.00		0.00
6.				0.00		0.00		0.00
7.				0.00		0.00		0.00
8.				0.00		0.00		0.00
9.				0.00		0.00		0.00
10.				0.00		0.00		0.00
11.				0.00		0.00		0.00
12.				0.00		0.00		0.00
13.				0.00		0.00		0.00
14.				0.00		0.00		0.00
SHIPPING CHARGES			3,500.00	3,500.00		0.00		0.00
TOTAL				69,200.00		0.00		0.00

JUSTIFICATION AND EXPLANATION FOR PURCHASE:

Screw jacks for #9 Intake Gate where the Hydraulics system has failed us twice

REQUESTED BY: Steve Olson

APPROVED BY: John Goodenough

Approved:
John Goodenough
AUD Director



SERVING INDUSTRY SINCE 1947

Augusta Utilities Department

Electric Gate Cylinders- Augusta Utilities Department

Prepared For:

Colton Scott

Date:

06/16/2026

Quote Number:

352011 Rev A

Prepared By:

William Wilkinson

wwilkinson@bdindustrial.com

(762) 958-2944

INDUSTRIAL
CONTROL PANELS



Applications Engineering Group
3905 Steve Reynolds Blvd
Ste 100
Norcross, GA 30093

Quote Number: 352011 REV A

Quote Date: 06/16/2026

Quote By: William Wilkinson

THIS QUOTE IS GOOD FOR 30 DAYS FROM
THE ABOVE DATE. IT DOES NOT INCLUDE
FREIGHT OR TAXES AND IS SUBJECT TO
B&D INDUSTRIAL STANDARD TERMS AND
CONDITIONS

For questions on the quote:

Email: aeg@bdindustrial.com

Quotation For: Augusta Utilities Department

Ship To:

2421 Riverlook Dr, Augusta, GA 30904

Bill to:

2421 Riverlook Dr, Augusta, GA 30904

Description	Qty	Unit Price	Extended Price
50 Ton Guide Screw Jack : RWJT1150I4S-192.00-STDY-STDY-X (Jack Only No Drive Components)	3	\$21,900.00	\$65,700.00
Freight	1	\$3,500.00	\$3,500.00
		Sub-Total	\$69,200.00

Jack Model Number: RWJT1150I4S-192.00-STDY-STDY-X

Description of Jack: The selected jack is a 50 tons maximum load worm gear machine screw jack with a Reverse Base housing, 10.7:1 ratio gearset, inverted, translating, male clevis (4) end condition with standard lead screw. The left hand input shaft is standard. The right hand input shaft is standard.

Selected Jack Data

Screw Diameter 4.5 Inches

Screw Pitch 0.666 Inches

Screw Lead 0.666 Inches

Gear Ratio 11 :1

Screw Thread Root Diameter 3.758 Inches

Static Load 25000 Pounds

Dynamic Load 25000 Pounds

Rise 192 Inches

Linear (travel) Speed 21.853 in/min

Loading Condition Tension & Compression

Unsupported Length 192 Inches

Column end Fixity guided

Column Safety Factor 3.775 :1

Allowable Continuous Travel 361.985 Inches

Performance Details

Input Speed 350 rpm

Screw Torque (Raising) 9437.318 in*lb

Screw Torque (Lowering) 4055.822 in*lb

Input Starting Torque (Raising) 2493.275 in*lb

Input Starting Torque (Lowering) 1320.821 in*lb

Input Running Torque (Raising) 1622.231 in*lb

Input Running Torque (Lowering) 754.201 in*lb

Input Running Power (Raising) 9.009 HP

Input Running Power (Lowering) 4.188 HP

Stresses & Factors of Safety F.S. Yield F.S. Ultimate Actual Value (lb/in²)

Screw Max. Shear Stress 26.6:1 47.2:1 1,446

Screw Max. Tensile Stress 29.9:1 35.4:1 2,572

Nut Thread Bending Stress 32.7:1 84:1 1,072

Nut Thread Shear Stress 86.3:1 332.9:1 203

Input Shaft Stress 7.9:1 17.9:1 3,778

Sleeve Cap (Bolt) Tensile Stress 168.1:1 201.1:1 303

Sleeve Cap (Bolt) Thread Shear Stress 37.3:1 66.9:1 684

Worm Cap Bolt Stress 12.5:1 16.3:1 7,358

Worm Cap Bolt Thread Shear Stress 25.9:1 50.7:1 1,776

Misc. Data

Max. Allowable Screw Endplay At Capacity 0.212 Inches

Max. Allowable Screw Endplay At Load 0.315 Inches

Nominal Endplay for a New Jack 0.019 Inches

Thrust Bearing Life 2.94E+7 Inches

Input Shaft Bearing Life 5.59E+7 Inches



Terms and Conditions for AEG/MAS Services

Scope

These Terms and Conditions apply to all custom designs, projects, and engineering services provided by B&D Industrial under AEG/MAS Services. By placing an order, the customer agrees to the terms set forth herein unless otherwise negotiated and documented.

Milestones and Payments

For projects with significant value (generally \$25,000 or more), progressive payments may be required at key stages of the order. These milestones can include, but are not limited to:

- A percentage due at the time of order.
- A percentage due upon delivery of design drawings or other early project deliverables.
- A percentage due when equipment or hardware ships.
- Final amounts due upon completion of commissioning or other services, if applicable.

Specific amounts, timing, and structure of these payments will be determined based on the scope and nature of the project. In cases where commissioning services are included in the hardware scope as a single line item, the full amount may be invoiced at shipment, with the project remaining open for up to 90 days for any additional scope-related work.

Purpose

The purpose of B&D's terms and conditions is to equalize the risk between the customer and B&D Industrial. We believe in true partnerships, and partnerships share risks.

We understand that these terms may not work for all customers and are willing to negotiate. However:

- Any negotiation must be conducted and documented in writing.
- If new terms are not negotiated and agreed upon in writing, **B&D's standard terms will apply after 15 days of receipt of order**, regardless of language included on the customer's purchase order.

Additional Payment Terms

1. **Past Due Accounts:** Any past due amount may result in delays in processing orders and/or suspension of the open account, even if the account remains within its credit limit.
2. **Service Charges:** Customers agree to pay a monthly service charge of **1.5% on invoices past due 30 days or more (18% APR)** unless otherwise negotiated.

Corporate Headquarters: 607 Lower Poplar Street, Macon, GA 31201

Phone: 478.746.7623 Fax: 478.742.7836

www.bdindustrial.com

3. **Collection Costs:** In the event of non-payment requiring a collections agent or legal proceedings, the customer agrees to bear all expenses of collections and/or legal proceedings plus attorney fees.
 4. **Business Structure Changes:** Customers must notify B&D Industrial of any change in business structure (e.g., incorporation, change of ownership). Without such notice, the original principals to whom credit was extended remain liable. Notification must be sent by certified or registered mail and acknowledged by return receipt.
 5. **Returned Checks:** Customers will be charged the current legal amount for returned checks.
 6. **Credit Card Transactions:** All credit card purchases are subject to a **3% transaction fee**.
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Acceptance

By placing an order with B&D Industrial under AEG/MAS Services, the customer acknowledges acceptance of these Terms and Conditions unless an alternate agreement has been negotiated and documented in writing.

Cancellations and Returns

Any custom design can be canceled during the first week of the design-build process for zero cost or penalty. After the first week, the cost to cancel (minimum of 30%) is based on the investment in B&D and will be billed at the appropriate rate based on the value of the hardware and engineering time incurred.

Any goods returned must be in a first-class, saleable condition, returned freight prepaid in its original container, subject to inspection by B&D Industrial. Goods failing to so confirm will not be subject to any refund, whatsoever.

Custom manufactured parts designed and engineered by B&D partner vendors, after receiving customer-signed approval drawings or documents, cannot be cancelled or returned for any reason without the written consent of an officer of B&D Industrial.

Taxes

This quotation does not include any federal, state, or local taxes that may apply. Taxes and permits are the responsibility of the Customer.

Confidentiality and Patents

Even without a non-disclosure agreement, B&D acts if there is one in place based on our Ethical rules. We expect the same treatment for our designs, proposals, and discussions.

B&D Industrial agrees to hold harmless and protect the customer against all losses or damages and lawsuits arising from actual or alleged infringement of the US. Patent by products designed by B&D Industrial, providing the Customer gives prompt notice in any such claim and cooperates with and permits B&D Industrial to defend at B&D Industrials expense.

Shipping and Delivery

Shipping is FOB with all freight charges, including inbound and outbound freight, will be added to the cost of the project or design as a separate charge and line item. Shipping dates are estimates and if the project or design is late, B&D will communicate to the Customer's point of contact. Being reasonable, B&D cannot plan on certain aspects of delivery delays due to: (1) acts of God, Customer's acts, acts of civil or military authority, priorities, fires, strikes, floods, epidemics, wars, riots, terrorism, delays in transportation; (2) inability to obtain necessary materials, components, or outside manufacturing services; In the event of any such delay, the date of shipment shall be extended for a period equal to the time lost by reason of the delay.

It is also important for the customer to inspect all goods immediately upon delivery. This needs to happen within 15 days from the date of delivery. If any issue is brought up beyond 15 days, B&D will reasonably try to correct it as a warranty claim but understanding that the non-communication within that period shall constitute a waiver by the customer of all claims. No goods may be returned without written consent.

Warranty and Repairs

Manufactured goods will be free of defects in materials and workmanship for one (1) year from shipment for all new products unless identified differently in the original quote or proposal. If during this period, goods are proven to B&D Industrial to be defective, they shall be repaired or replaced at B&D Industrials' option. B&D Industrial warrants only those parts manufactured or approved by B&D Industrial. This action constitutes the fulfillment of all liabilities. Repairs beyond listed warranty items will be performed on a time and material basis at published engineering rates and billed upon completion.

The Following Items Are Excluded from This Warranty:

1. Routine maintenance and adjustment as specified in the equipment instruction manual
2. Failure due to improper installation or inadequate maintenance by the Customer
3. Malfunctions that occur because of customer-supplied interfacing
4. Physical damage resulting from an accident, misuse, or abnormal conditions of operation
5. Attempts to utilize goods under conditions that exceed designed capabilities
6. Performance adjustments post-commissioning

**Important Note* No other warranty is expressed or implied including warranties of merchantability and fitness for any purpose. B&D Industrial is not liable for incidental or consequential damage such as, but not limited to, lost profits, loss of use of other equipment, or increases in operating costs or expenses. Also, penalty clauses by the Customer are not effective unless approved in writing by an officer of the B&D Industrial.*

Service and Technical Support

The purpose of onsite or remote technical support is to assist in customer's continual operations and needs. We offer free phone support 24/7 with the first hour being non-billable, billing for remote support over in hour will be at the discretion of B&D's support agent. Onsite visits that are determined to be non-

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warranty service calls are subject to billing at the published engineering rates. A purchase order is required prior to the visit. B&D offers onsite services to apply our industry knowledge to assist the customer in the determination of a performance or functional problem including failures. The billable time is for discovery and assistance in rectification but does not guarantee any outcome.

Performance Guarantees

B&D Industrial engages in component and system retrofits, repairs, and migrations every day and has for over seventy years. Often, the original designs have clear performance specifications but usually have had customer modifications over the active use period of the system. B&D does due diligence with engineering and design and offers the best solution with the information that is currently known.

Sometimes theoretical and real performance measurements differ, and B&D will do everything possible to meet the customer specifications and requirements but may require additional engineering or hardware that is subject to billing in addition to the original proposed solution.

Indemnity of B&D Industrial

Customer agrees to indemnify and hold harmless B&D Industrial against any and all claims, demands, expenses, liabilities, or causes of action arising out of the injury or death of any person when such injury or death arises from or is connected with (1) any act or omission on the part of the Customer, its agents, servants or employees; or (2) any condition resulting from the installation of the machine on the Customers premises; or (3) the misuse or modification of the manufactured goods by the Customer, its agents, servants or employees.

Controlling Law

The validity, construction and performance of these Terms & Conditions shall be governed by and construed in accordance with the laws of the State of Georgia, excluding that body of law applicable to choose of law. Each of the party's irrevocable consents to the exclusive jurisdiction and venue of the federal and Georgia State Courts in any action relating hereto or to the subject matter hereof. In the event any provision of these Terms & Conditions or the application of any such provision shall be held by a tribunal of competent jurisdiction to be contrary to law, the remaining provisions of these Terms & Conditions shall remain in full force and effect.