

INVITATION FOR BID
April 28, 2026

INVITATION FOR BID NUMBER	IFB 26-029
PROJECT #	1201846.007
NAME OF BID	Purchase of an Insertion-Type Magnetic Flow Meter
BIDS WILL BE RECEIVED AT	MAWSS Purchasing Dept. Bid Box East Visitor Entrance 4725 Moffett Road Mobile, AL 36618 If sending bids by UPS/Fed Ex, deliver to the Warehouse: 1610 Shelton Beach Rd. Ext., Mobile, AL 36618 with IFB# marked on envelope
BID OPENING DATE	May 12, 2026
BID CLOSING TIME	10:30 am Central Time
AWARD WILL BE MADE BY	Total Cost & Lead Time
MATERIAL DELIVERED TO	Gaillard Pumping Station 1450 Pumping Station Rd., Mobile, AL 36608
STARTUP ADDRESS	Regulator House - 1203 Woodland Ave., Prichard, AL 36610
ADDITIONAL INFORMATION CONTACT	Jett Byrne 251-342-1070 Ext. 1298 jett.byrne@volkert.com Markus Moore 251-721-0828 mamoore@mawss.com
APPLICABLE SDP POLICY	None


Sealed bids must be in the Purchasing Department no later than the time specified in order to be considered. Submissions received after the deadline will not be considered. Envelopes must bear the name of the supplier, company address and the words “**IFB 26-029 Flow Meter Purchase**” or “**IFB 26-029 NO QUOTE.**” Facsimile or email bids will not be accepted.

All bids must be submitted on the attached forms, or your bid will be disqualified. Bidder shall furnish all the information required by the solicitation. The bidder’s name must be typed or printed on the bid sheet and signed by the bidder or appropriate authorized executive officer of the bidder’s company. Bidders must initial any changes or erasures. Bidders should retain a copy of bids for their records.

Bidders shall acknowledge receipt of all addenda to this solicitation by signing and returning each addendum or by identifying the addendum number and the date on the bid form. Failure to acknowledge receipt of any addendum by a bidder will result in rejection of the bid if MAWSS determines that the addendum contains information that materially changes the requirements.

All bids shall be quoted FOB Destination, freight prepaid with no additional charges. Unless otherwise specified in the bid, all prices will be on a firm-fixed price basis and are not subject to adjustments based on costs incurred. MAWSS reserves the right to reject any or all bids submitted, to waive any informality in any bid or in the bid process, or to terminate the bid process at any time, if deemed by MAWSS to be in MAWSS’s best interest.

A Purchase Order and this “Invitation for Bid” with “Specifications,” “Conditions,” “Bid Form,” signed by the successful bidder’s authorized representative, and all attached drawings and other documents furnished by MAWSS to the bidders with the Invitation for Bid in order to illustrate the contract requirements, will constitute a contract for the goods and/or services to be purchased.


Joyce Sawyer, Buyer II
Board of Water and Sewer Commissioners

IFB 26-029 FLOW METER PURCHASE CONDITIONS

The Board of Water and Sewer Commissioners of the City of Mobile will accept bids for the **Flow Meter Purchase** in our Purchasing Department Bid Box located at the East Visitor Entrance at 4725 Moffett Road, Mobile, AL. 36618 **no later than 10:30 a.m.** local time on **May 12, 2026**. Bids will be opened immediately after bid closing time in the Operations Center Board room located at the East Visitor Entrance. Award will be by **Total Cost & Lead Time**. The bidder offers and agrees, if this bid is accepted, to furnish the items as defined in the specifications for the unit price set opposite each item. Pricing shall be FOB Mobile, Alabama. All items shall be delivered to the **Gaillard Pumping Station at 1450 Pumping Station Rd., Mobile, AL 36608** or to the job site as needed. The bidder shall state the expected length of delivery time on the Bid Form.

An optional site visit can be scheduled before bidding, if needed. Please contact Jett Byrne at 251-342-1070 Ext. 1298.

Bidder understands and agrees that manufacturer and part numbers are provided for descriptive purposes only. Items of equal or better quality will be considered but must be approved by MAWSS in writing. Upon delivery, if the quality, durability or performance of any product represented as equal or better is determined by MAWSS to be unsatisfactory, MAWSS will require a suitable substitute or will require that the originally specified item be delivered, at the unit price originally offered by bidder. No substitution for items to be provided pursuant to this contract shall be permitted during the contract period without the express written consent of MAWSS. All items provided shall be for commercial use and for the purposes reflected in the contract documents.

No bid on closed out or discontinued item(s) will be accepted. Item(s) that have a determinable shelf life must be disclosed at the time of bid submittal. Bidder understands that his/her bid shall be good and may not be withdrawn for a period of sixty (60) calendar days after the scheduled closing time for receiving bids.

MAWSS reserves the right to reject any or all bids submitted, to waive any informality in any bid or in the bid process, or to terminate the bid process at any time, if deemed by MAWSS to be in MAWSS's best interest.

Bidder understands and agrees that quantities will be purchased by MAWSS on an "as needed" basis to replenish inventory. MAWSS shall not be committed to the purchase of a pre-established minimum quantity for any one item.

A bidder may not modify its bid after bid opening. Errors in the extension of unit prices stated in a bid or in multiplication, division, addition or subtraction in a bid may be corrected by the MAWSS Purchasing Buyer prior to award. In such cases, unit prices shall not be changed.

It is the responsibility of the bidder to determine prior to the bid opening whether any amendment, additions, deletions or changes of any type have been made to this Invitation for Bid, Conditions, Specifications, Bid Form or any other bid documents. Bid documents and any amendments made to this bid will be posted on our website at www.mawss.com.

Invoicing Requirements: Email invoices to Accounts Payable at AcctsPayable@mawss.com.

END OF CONDITIONS

SECTION 40 71 13.23
INSERTION-TYPE MAGNETIC FLOW METERS

PART 1 – GENERAL

1.01 SCOPE OF WORK

- A. This Specification is intended for the purchase and delivery of the electromagnetic insertion-type flow meter and associated equipment described herein for the existing Mobile Area Water and Sewer System raw water distribution system. Installation to be performed by the owner with technical support from the supplier.

1.02 SUBMITTAL

- A. The following information shall be included in the submittal for this section:
 - 1. Data sheets and catalog literature for the forward flow insertion-type magnetic flow meter and the microprocessor based signal converter.
 - 2. Connection diagrams for equipment wiring.
 - 3. List of spare parts and optional equipment.

1.03 DELIVERY, STORAGE, & HANDLING

- A. Ship equipment, material, and spare parts complete except where partial disassembly is required by transportation regulations, for protection of components, or for installation requirements.
- B. Pack spare parts in containers bearing labels which clearly designate contents and pieces of equipment for which they are intended.

PART 2 – PRODUCTS

2.01 MANUFACTURERS

- A. The electromagnetic insertion flow meter shall be McCrometer 395L for forward flow full profile insertion mag meter or approved equal. Equivalency is determined by MAWSS and the Engineer's review, and is not done prior to bid. If equivalency is a concern, bidders are encouraged to submit multiple bids.

2.02 ELECTROMAGNETIC INSERTION FLOWMETER

- A. The electromagnetic insertion flow meter shall consist of a flow sensor based on Faraday's Law of Electromagnetic Induction and microprocessor-based signal converter.
- B. Sensor:
 - 1. Operating principle: Utilizing Faraday's Law of Electromagnetic Induction, the flow of a conductive liquid around the sensor induces an electrical voltage that is proportional to the velocity of the flow.
 - 2. Construction: The sensor material shall be constructed of 316 Stainless Steel and coated with NSF 61 certified approved epoxy coating.
 - 3. Sensor operating temperature: +14° to +170° F at 250 PSI
 - 4. Electronics operating temperature (Converter): -4° to +140° F
 - 5. Size: 48" diameter PCCP pipe. Supplier shall perform necessary field measurements.
 - 6. Installation hardware shall include a Stainless Steel 2" full ported valve with stainless-steel nipple.
 - 7. Submergence:
 - a. The sensor shall be NEMA 6P or IP68 rated to be permanently submerged up to 6 feet.
- C. Converter:
 - 1. Electronic Enclosure: Shall be a NEMA 4X, IP67 rated enclosure.

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2. Converter/display: Background illumination with alphanumeric 8-line graphical backlit LCD display with 6-key tough programming to indicate flow rate, totalized values, settings, and faults.
 3. Power supply:
 - a. 90/265 VAC
 4. Operating temperature: -4 to 140° F
 5. Outputs:
 - a. Two 4-20 mA (0-21 mA)
 - b. Two separate digital programmable outputs:
 - 1) Open collector transistor usable for pulse
 - 2) Frequency and alarm settings
 6. Communications:
 - a. AMI Smart Output (Sensus)
 7. Sensor and signal converter performance:
 - a. Flow range: 0.2 FPS to 32 FPS for accuracies stated below.
 - b. Accuracy:
 - 1) AC Power: Plus, or minus 0.5% of actual flow
 - c. Cable Length:
 - 1) AC Power: Manufacturer to coordinate required length with owner
 - d. Manufacturer shall offer optional Quick Connect cabling for remote mounted installations.
 - e. Repeatability: $\pm 0.05\%$ or ± 0.0008 ft/s, whichever is greater
 - f. Conductivity: Minimum 5 $\mu\text{s/cm}$
 - g. Power and Signal Cabling: The power and signal between the converter and sensor are isolated and placed in separate cables.
 - h. Flow Direction Measurement: Forward flow indication and forward net totalization is required
 8. Other:
 - a. Cable Length: 200'

2.03 SPARE PARTS

- A. Spare parts for the equipment shall include the following, unless otherwise noted:
 1. Extra operation manuals as required

2.04 OPERATOR INSTRUCTIONS

- A. Calibration
 1. Each flow sensor shall have wet flow calibration of the complete meter flow element and its signal converter. The calibration facilities must be traceable to the National Institute of Standards and Technology (N.I.S.T). All the calibration information and factory settings matching the sensor shall be stored in an integrally mounted memory unit. The memory unit shall store sensor calibration data and signal converter settings for the lifetime of the product. At initial commissioning, the flow meter commences measurement without any initial programming. Any customer specified settings are downloaded to the memory unit. Should the signal converter need to be replaced, the new signal converter will upload all previous settings and resume measurement without any need for reprogramming or rewiring.
 2. Manufacturer shall provide a calibrated meter set which includes the sensor element, the cabling and the converter.
 3. An N.I.S.T. certificate of calibration shall accompany each flow element.

PART 3 – EXECUTION

4.01 INSTALLATION

- A. Follow manufacturer's recommendation for the minimum upstream and downstream installation requirements for the flow element or at a location directed by the owner.
- B. Wiring between flow element and remote mounted signal converters shall use cable type and procedures as per the manufacturers' recommendations.

4.02 MANUFACTURER'S ASSISTANCE

- A. Warranty
 - 1. The manufacturer of the electromagnetic flow meter shall provide a two-year warranty that the equipment shall be free from defects in design, workmanship, or materials. Extended warranties up to five years shall be available for additional cost.
 - 2. The manufacturer of the electromagnetic flow meter shall provide a Lifetime Guarantee on the flow element Ultra Liner fusion bonded epoxy liner.
 - 3. In the event a component fails to perform as specified or is proven defective in service during the guarantee period, the manufacturer shall promptly repair or replace the defective part at no cost to the owner.

END OF SECTION 40 71 13.23

**IFB 26-029 FLOW METER PURCHASE
INSURANCE REQUIREMENTS**

- A. **General:** The Supplier shall provide insurance in accordance with the required specifications. A current certificate of insurance must be provided with your bid. MAWSS does not need to be named as an additional insured on this certificate until bid is awarded.
- B. **Supplier Coverage:** The Supplier shall not commence work under this Contract until he has obtained all insurance required under the following paragraphs and until such insurance has been approved by the Owner, nor shall the Supplier allow any subcontractor to commence work on his subcontract until all similar insurance required of the subcontractor has been obtained and approved. If the subcontractor does not take out insurance in his own name, the Supplier shall provide such insurance protection for the subcontractor and such subcontractor's employees.
- C. **Casualty Insurance:** The following insurance coverages (with limits not less than specified herein) shall be maintained by the Supplier for the duration of the Contract, affording coverage for any claim arising out of Supplier's operations herein, whether by the Supplier or by any subcontractor or by any Employee or Agent of either:
1. Claims of employees under Worker's Compensation and other similar employee benefit acts, including claims because of bodily injury, occupational sickness or disease, or death.
 2. Claims arising out of bodily injury, sickness, disease, or death of any person other than employee.
 3. Claims for damages arising out of libel, slander, false arrest, detention or imprisonment, malicious prosecution, defamation or violation of right of privacy, wrongful entry or eviction or other right of private occupancy, including claims as a result of an offense related to the employment of a claimant by Contractor (so-called "Personal Injury").
 4. Claims arising out of damage to or destruction of tangible property, including loss of use.
 5. The Supplier shall furnish certification of insurance and policies verifying that the above coverages are in effect before commencing any work, and that each policy is endorsed to give the Owner 30-day notice in writing in the event of cancellation or material change therein.

Policies of Insurance shall state that the Owner and the Owner's employees be named as additional insureds on the Supplier's Automobile Liability and Commercial General Liability policies. In respect to Worker's Compensation, a Waiver of Subrogation shall be issued in favor of the Owner. If Supplier is exempt from Worker's Compensation, the Supplier shall provide written documentation as to why they are exempt. Where applicable, the U.S. Longshore and Harbor Workers' Compensation Act Endorsement shall be attached to the policy. Where applicable, the Maritime Coverage Endorsement (to include coverage under Jones Act) shall be attached to the policy. Both the U. S. Longshore and Harbor Workers and the Maritime Coverage shall have limits equal to or greater than the employer's liability coverage.

6. Rated by AM Best – A- or better. For non-admitted companies, a rating of A or better by AM Best.
 - a. At the discretion of the Board, worker's compensation insurance may be placed through a qualified worker's compensation self-insurance fund.

b. **Limits of Liability:**

Worker's Compensation	Statutory
Employers' Liability	\$500,000 Each Accident \$500,000 by Disease, Policy Limit \$500,000 by Disease, Each Employeee
Commercial Automobile	\$1,000,000 Each Accident Bodily Injury and Property Damage Combined Business Auto Includes All Owned, Leased, Hired and Non-Owned Automobiles
Commercial General Liability	\$1,000,000 per Occurrence \$1,000,000 Personal & Advertising Injury \$2,000,000 General Aggregate per Project \$2,000,000 Products & Completed Operations Aggregate \$100,000 Fire Damage Liability

Umbrella Liability: In addition to the basic limits previously set out for Commercial General Liability, Products and Completed Operations, Automobile Liability and Worker's Compensation, coverage shall be issued with a "pay on behalf of" wording, including Personal Injury and other extensions, and provide coverage at least as broad as that afforded by the primary insurance policies.

Extensions (only if applicable):

Blanket Contractual Liability	Blanket Collapse and Underground Coverage
Personal Injury	Broad Form Property (including Completed Operations)
Host Liquor Liability	Employees as Additional Insureds
Non-owned Watercraft Liability	Incidental Medical Malpractice
Worldwide Products	Extended Bodily Injury (Assault and Battery)
Fire Legal Liability	
Newly Acquired Organizations	

When and if the use of explosives for blasting purposes appears necessary or desirable, such methods shall not be undertaken without written authorization of the Owner, and then only provided that acceptable extensions of liability coverage have been obtained specifically to include the explosion ("X") hazard and the collapse ("C") hazard. The policy of general liability shall include the special underground property damage coverage (providing the so-called "U" hazard) on a blanket basis.

- D. **Owner's Protective Liability:** The Supplier shall furnish from a carrier acceptable to the Owner, a policy of liability insurance, commonly called "Owner's Protective Liability" in the name of the Board of Water and Sewer Commissioners of the City of Mobile, d/b/a MAWSS, providing "Independent Contractor's Coverage" for the operations embraced by this Contract with limits of \$1,000,000 bodily injury and \$1,000,000 property damage. Policy shall be endorsed so that the premium is to be paid by the named Supplier.

END OF INSURANCE

