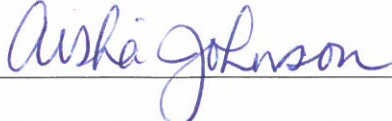
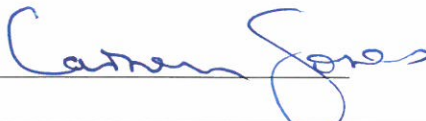


CITY OF BIRMINGHAM-PURCHASING DIVISION
 710 NORTH 20TH STREET
 P-100 CITY HALL
 BIRMINGHAM, AL 35203-2227
 OFFICE: (205) 254-2265/FAX: (205) 254-2484

AISHA JOHNSON, SENIOR BUYER
 CARMEN JONES, PURCHASING AGENT

NOVEMBER 28, 2022
 ITB: 23-31

TO:	Prospective Bidders
INVITATION TO BID NUMBER:	Bid #23-31 (A complete copy can be downloaded at www.birminghamal.gov)
SEPARATE SEALED BIDS FOR:	Fire Hose & Appliances
INVITATION TO BID RESPONSES WILL BE RECEIVED BY:	Aisha Johnson, Senior Buyer Purchasing Division 710 North 20 th Street, P-100 City Hall Birmingham, AL 35203-2227
IMPORTANT SOLICITATION DATES	
BID DUE DATE:	BID OPENING DATE:
Wednesday, December 14, 2022 by 5:00 P.M. (Central Standard Time)	Thursday, December 15, 2022 at 11:00 A.M. (Central Standard Time)
<p>Bidders wishing to bid can download the complete solicitation including the specifications and bid forms via the internet at www.birminghamal.gov (go to link titled Work, then click on Bidding Opportunities), or by visiting the Purchasing Office at the address shown above, or by calling (205) 254-2265 and requesting a copy be mailed to you.</p> <p>BID OPENING WILL BE HELD AT: Purchasing Division 710 North 20th Street P-100 City Hall Birmingham, AL 35203-2227</p>	
<u>TELEPHONE INQUIRIES – NOT ACCEPTED</u>	
Telephone inquiries with questions regarding clarification of any and all specifications of the ITB will not be accepted. All questions must be e-mailed to Aisha Johnson at aisha.johnson@birminghamal.gov .	
Submissions may be withdrawn, modified, and resubmitted prior to the formal bid opening due date. Any submission modification(s) submitted after the “Bid Due Date” may not be considered.	
The City of Birmingham reserves the right to accept or reject any or all bids, or any part of any bid, and to waive any informalities or irregularities in the bid. The City of Birmingham may award contract in whole or in part based on the needs of the City of Birmingham.	
All costs incurred by the company to respond to this solicitation will be wholly the responsibility of the Bidder. All copies and contents of the bid, attachments, and explanations thereto submitted in response to this ITB, except copyrighted material, shall become the property of the City of Birmingham regardless of the bidder selected. Response to this solicitation does not constitute an agreement between the Bidder and the City of Birmingham.	
The City of Birmingham is not responsible for delays occasioned by the U.S. Postal Service, the internal mail delivery system of the City of Birmingham or any other means of delivery employed by the bidder. Similarly, the City of Birmingham is not responsible for, and will not open, any bid responses which are received later than the date and time indicated above. Late bid responses will be retained in the bid file, unopened.	
Published-Birmingham News-12/02/2022	
RELEASED BY:	
 	

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INVITATION TO BID

Sealed bids marked “**Fire Hose & Appliances**”, will be received by the Purchasing Agent, P-100 First Floor City Hall, 710 North 20th Street, Birmingham, Alabama 35203.

Bids will be accepted until 5:00 P.M. central time (standard or daylight savings time, as applicable) on **WEDNESDAY, DECEMBER 14, 2022**. Bids submitted after these dates and times will not be considered.

Bids will be publicly opened at 11:00 A.M. on **THURSDAY, DECEMBER 15, 2022**.

In the effort to decrease the spread of COVID-19, bid openings will be held virtually via WebEx. Login information can be found on the City’s website at www.birminghamal.gov (click on the link titled **Work** then click on **Bidding Opportunities**).

The City is not responsible for delays occasioned by the U.S. Postal Service, the internal mail delivery system of the City, or any other means of delivery employed by the Bidder. Similarly, the City is not responsible for, and will not open, any bid/proposal responses, which are received later than the date and time, indicated above. Late bids/proposals will be retained in the bid/proposal file, unopened.

TERM OF CONTRACT

Any contract resulting from this ITB will become effective upon bid award. Per Section 3-3-7(7) of the Birmingham City Code and State Bid Law, the proposed contract shall be in effect for a minimum of one (1) year guaranteed with the option of renewal for two (2) additional one-year terms, contingent upon Council approval. The life of this contract shall exist with the approval of both parties with the provision that no price increase in the original bid prices shall be allowed.

ADDENDA

Any addenda will be available on the internet. Bidder is responsible for checking the website for addenda until the bid opening date. Addenda will be mailed to only those vendors who were provided a copy in person or by mail.


CERTIFIED CHECK/BID BOND/CASHIER’S CHECK

It is required for any contract exceeding \$10,000.00 that the bidder submits with his bid a certified check, a cashier’s check, or a bid bond payable to the City of Birmingham. In order for any bid award to be considered that exceeds \$10,000.00, your bid must be accompanied by an acceptable bid bond or check in the amount of \$500.00. Bid bond checks will be returned to all unsuccessful bidders after the formal award is made and to the successful bidder after acceptance of award. Should the successful bidder fail to accept the award, the bid bond check shall be forfeited.

The City follows a policy of nondiscrimination. No contractor with the City should discriminate on the basis of race, sex, religion or national origin. Failure by the Vendor to carry out these requirements is a material breach of its obligations, which may result in its termination or such other remedy as the City deems appropriate.

No bid may be withdrawn for a period of sixty (60) days after the date of the bid opening. All bids are to be submitted on the bid form provided and all bids are to be f.o.b. Birmingham, Alabama delivered. The City reserves the right to reject any or all bids submitted, in whole or part, and to waive any informalities.

Bids must be submitted in a sealed envelope marked “**Fire Hose & Appliances**”, **5:00 P.M., 12/14/2022**.” Bids may be **hand delivered** to Purchasing, Room P-100 First Floor, City Hall, Birmingham, Alabama or **mailed** to City of Birmingham, 710 North 20th Street, Birmingham, AL 35203. Bids mailed in (i.e. USPS, Federal Express, UPS, Airborne, etc.) **must** specify delivery to Room P-100, 1st Floor-City Hall.


Carmen Jones, Purchasing Agent

aj
B.N. 12/02/22

**CITY OF BIRMINGHAM-PURCHASING DIVISION
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**AISHA JOHNSON, SENIOR BUYER
CARMEN JONES, PURCHASING AGENT**

**NOVEMBER 28, 2022
ITB: 23-31**

INVITATION TO BID (cont'd)

GENERAL

The City of Birmingham is seeking bids for the supply of fire hoses, nozzles and appliances. The City intends to award to the lowest priced, responsive, responsible bidder based on an individual group basis: Group 1 - consists of valves, gauges, nozzles, blind caps straps and adapters; Group 2 - Hoses; Group 3 - TFT Valves and Blitzfire OSC Nozzle; Group 4 - Flow Testing Meter, hose roller, hydrant wrenches, spanner wrenches and hydrant bags. For the purchase of personal property, the City's policy is to apply a local preference option, as allowed by State of Alabama Code, Section 41-16-50, in determining the low bidder.

Bidders are required to provide an original and two (2) copies of their bid.

CANCELLATION

The City reserves the right to cancel the contract, in whole or part, and seek new bids at any time the City determines that the services, item(s) and/or product lines(s) being supplied is/are failing to perform satisfactorily. Any bid that imposes a service fee or any other type of fee on any order not exceeding a minimum order quantity or minimum purchase order dollar amount, will be determined a non-responsive bid and will not be considered for award. Municipalities are not liable for sales tax: reference Code of Alabama Section 40-23-4. Costs normally considered pass through costs (property tax, use tax, delivery charge, etc.) to the customer by the provider must be included in any fee proposed (Code of Alabama 40-12-222). For the purchase of personal property, the City's policy is to apply a local preference option, as allowed by the State of Alabama Code, Section 41-16-50, in determining the low bidder. The contract shall become effective from the date noted in the Notification of Award letter which will be mailed to the successful bidder.

PURCHASE ORDERS

The City will issue purchase order(s) to the successful bidder for the goods and/or services (bid items) that are the subject of the bid. Unless otherwise agreed in a writing that is signed by both parties, the entire agreement between the City and the successful bidder concerning the bid items is comprised of the terms, conditions, specifications and requirements stated in (a) the contemplated purchase order(s), (b) this Invitation to Bid and Specifications and (c) your bid (collectively, the "Contract Requirements"). These writings supersede all former proposals, offers, negotiations, representations or agreements, either written or oral, concerning the provision of vendor's goods and/or services. By acceptance of the City's purchase order(s), the successful vendor agrees to abide by and perform its responsibilities related to the bid items in compliance with the Contract Requirements.

Successful bidder shall not assign this contract to any other party without prior written approval of the City of Birmingham. Contract shall not be assigned to an unsuccessful bidder who was rejected because he was not a responsive or responsible bidder.

TERMINATION OF CONTRACT

Failure to adhere to any or all terms, conditions and specifications as set forth in the contract may result in the immediate termination of the contract. Should termination occur, the holder of the contract may be declared a "non-responsible vendor" This declaration may result in the rejection of any future bids submitted by the vendor for a period of time to be determined by the City.

All bids submitted are to be F.O.B. delivered, City of Birmingham, Birmingham AL 35203.

PRICES

Include transportation (including fuel surcharge, if applicable)

QUANTITIES

The quantities shown on the bid form are estimated quantities only. Merchandise shall be ordered as requirements dictate. The City reserves the right to purchase more or less than this quantity as conditions require, and no bidder shall attempt to hold the quantities shown as a firm quantity under this contract.

PRE-PAYMENTS

No prepayments of any kind will be made prior to shipment.

TAX

The City of Birmingham is exempt from all Federal Tax, and sales and use tax, except Alabama tax on oils, lubricants and fuels specifically bought for over-the-road transportation use.

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**AISHA JOHNSON, SENIOR BUYER
CARMEN JONES, PURCHASING AGENT**

**NOVEMBER 28, 2022
ITB: 23-31**

INVITATION TO BID (cont'd)

ADDITIONAL PURCHASES

The City has attempted to list all items for "Fire Hose & Appliances" required during the term of the contract, if mutually agreed upon, additional contracts may be executed, based upon this bid for the same item(s) or related types and/or sizes.

REDUCTION IN COST

Bidder agrees that the City of Birmingham will be charged no more for item(s) bid than the State of Alabama, and that in the event of a price reduction; the City will receive the benefit of such reduction on any undelivered portion of contract.

Successful bidder acknowledges and agrees that the City has the right to deduct from total amount of consideration to be paid, if any, to the successful bidder under this agreement all unpaid, delinquent, or overdue license fees, taxes, fines, penalties, and other amounts due the City from the successful bidder.

NON-DISCRIMINATION POLICY

Vendor (and its employees, agents and any subcontractors) shall not discriminate on the basis of race, color, sex, gender identity, sexual orientation, disability, familial status, or national origin in the performance of the services contemplated hereunder. Failure by the bidder to carry out these requirements is a material breach of its obligations which may result in its termination or such other remedy as the City deems appropriate.

DISADVANTAGED BUSINESS ENTERPRISE (DBE)

Vendor acknowledges and agrees that, consistent with federal law and City's public policy, it will encourage disadvantaged business enterprise (DBE) participation to the extent permitted by law. A "disadvantaged business enterprise" is a for-profit small business concern (i) at least 51% owned by one or more individuals who are both socially and economically disadvantaged or, in the case of a corporation, in which 51% of the stock is owned by one or more such individuals; and (ii) whose management and daily business operations are controlled by one or more of the socially and economically disadvantaged individuals who own it. In accordance with federal law, a "socially and economically disadvantaged individual" includes African-Americans, Hispanic Americans, Native Americans, Asian-Americans, women, and any additional groups designated as socially and economically disadvantaged by the federal Small Business Administration.

FORM W-9

Any successful bidder who is not currently set up as a vendor in the City of Birmingham vendor file will be required to submit a completed W-9 tax form prior to any award. The W-9 tax form may be submitted with your bid or no later than seven (7) working days of receipt of notice of intent to award.

BUSINESS LICENSE

The City of Birmingham must have a copy of the successful bidder's current City of Birmingham business license prior to formal award of contract. A copy of his/her license may be submitted along with his/her bid. In the event you receive a notification of intent to award letter, bidder must provide a copy of his/her current business license no later than seven (7) working days of receipt. Failure to submit the requested information will result in the notice of intent to award being revoked.

PUBLIC DISCLOSURE

Subject to applicable law or regulations, the content of each Bidder's Proposal shall become public information upon the effective date of any resulting contract.

TELEGRAPHIC/ELECTRONIC BID RESPONSES

Proposal responses sent by electronic devices (i.e., facsimile machines and email) are not acceptable and will be rejected upon receipt. Vendors will be expected to allow adequate time for delivery of their bid responses either by airfreight, postal services, or by other means.

NON-RESPONSIVE BIDDER

Three (3) failures by a vendor in a twelve (12) month period to complete awarded projects within the stated completion time frame will force the City to determine the vendor to be a non-responsible vendor, and that vendor will not have future bids considered for a period of twelve (12) months.

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NOVEMBER 28, 2022
ITB: 23-31

INVITATION TO BID (cont'd)

E-VERIFY

Successful Vendor (located in the State of Alabama or located outside of the State of Alabama, but employs one or more employees within the State of Alabama) represents and warrants that it does not knowingly employ, hire for employment, or continue to employ an "unauthorized alien", as defined by the Beason-Hammon Alabama Taxpayer and Citizen Protection Act, Act No. 2011-535 (H.B.56) of the Alabama Legislature, as amended from time to time (the "Act") and that, during the performance of this contract, Vendor shall participate in the E-Verify program as required under the term of the Act. Vendor agrees to comply with all applicable provisions of the Act. As a condition for the award of any contract, Vendor shall provide documentation establishing that the Vendor is enrolled in the E-Verify program, or a signed, written statement that the Vendor does not have a presence (one or more employees) in the State of Alabama. Vendor may submit applicable documentation with his/her bid or no later than seven (7) working days of receipt of notice of intent to award.

Bids may be solicited for the product included in this contract where an immediate/emergency need exists including large quantities. The decision of the Purchasing Agent as to what constitutes a biddable situation shall be final and shall not be construed as a breach of contract.

QUESTIONS

Any questions concerning these specifications should be addressed to Purchasing Division, Aisha Johnson, phone (205) 254-2267, fax, (205) 254-2484, between the hours of 8:00 a.m. and 4:00 p.m., Monday through Friday.

SINGLE BID

If a single bid response is received for this ITB, the bid will be rejected in accordance with Title 41-16-50-a of the Alabama Code. The bid will be opened but **will not** be read publicly. We will proceed with negotiations for a lower price with the rejected Bidder and other Bidders by means of sealed quotes. The rejected Bidder's initial offer will not be disclosed to other Bidders, prior to the awarding of a contract. The award will be made to the company offering the lowest negotiated quotation, provided that all conditions and specifications required by the City are met.

NEGOTIATIONS

The City of Birmingham reserves the right to enter into contract negotiations with the selected Bidder. If the City and the selected Bidder cannot negotiate a successful contract, the City may terminate negotiations and begin negotiation with the next selected Bidder. This process will continue until a contract has been executed or all proposals have been rejected. No Bidder shall have any rights against the City arising from such negotiations.

PROHIBITION AGAINST BOYCOTTING

By signing this contract, the Contractor certifies that it is not currently engaged in, and for the duration of this agreement will not engage in, the boycott of a person or an entity based in or doing business with a jurisdiction with which this state enjoys open trade.

AWARD

Contract will be awarded to the lowest most responsive and responsible bidder who meets all bid requirements and has a history of successfully completing like work.

GOVERNING LAW/DISPUTE RESOLUTION

Contract award to purchase the materials covered in this bid document shall be construed under and governed by the laws of the State of Alabama and each party hereto irrevocably agrees to be subject to the jurisdictions of the courts of the State of Alabama.

PAYMENT TERMS

The City's standard payment term is Net-30 days from acceptance. Exception may be allowed for discounted early payment, such as 2%-10, Net 30 Days. The reference date for all such discounted early payment terms will be the date the invoice is received or the date the goods are received, whichever is later. In the event of a dispute the City's records shall prevail. **The City will not consider any bids requiring C.O.D. payments.**

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**NOVEMBER 28, 2022
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INVITATION TO BID (cont'd)

STATEMENT OF COMPLIANCE WITH ALABAMA CODE SECTION 31-13-9

Vendor shall participate in the E-Verify program as required under the Beason-Hammon Alabama Taxpayer and Citizen Protection Act. Vendor agrees to comply with all applicable provisions of the Act. As a condition for the award of any contract, Vendor shall provide documentation establishing that the Vendor is enrolled in the E-Verify program, or a signed, written statement that the Vendor does not have a presence (one or more employees) in the State of Alabama. Vendor may submit applicable documentation with his/her bid or no later than seven (7) working days of receipt of notice of intent to award.

HOLD HARMLESS AND INDEMNIFICATION

Vendor(s) shall defend, indemnify, and hold harmless the City of Birmingham, and its agents, employees and officials (hereinafter the "Indemnitees") from and against all demands, actions, damages, judgments, expenses (including but not limited to attorneys' fees, expert fees, court costs and other litigation costs), losses, and claims (including those for bodily injury, sickness, disease or death, or to injury to, destruction or loss of use of tangible property) (collectively hereinafter "Claims") by any third parties (including any employee, subcontractor or representative of the Vendor, hereafter a "Vendor Representative") that arises out of, relates to, results from, or is attributable to any of the following: (a) Vendor's performance or failure to perform its obligations hereunder; (b) any conditions in or about the work sites that the Vendor or any Vendor Representative may encounter; or (c) the use or occupancy of the work sites by Vendor or any Vendor Representatives. This indemnification obligation includes Claims that are caused in part by the negligence of an Indemnitee(s); provided nothing herein shall obligate Vendor to indemnify any of the Indemnitee(s) for Claims resulting from the sole negligence or from the willful misconduct of the Indemnitee(s).

NON-COLLUSION

Contractor covenants and declares that it has not employed any person to solicit or procure this Agreement and that Contractor has not made, and will not make, any payment of any compensation for the procurement of this Agreement. The covenant contained herein shall survive the expiration or earlier termination of this Agreement.

CONFLICT OF INTEREST

Contractor covenants and declares that it has not, and will not, acquire any interest, directly or indirectly, in any property acquired by the City during the term of this Agreement. Contractor warrants and covenants that it presently has no interest in, nor shall any interest be hereinafter acquired in, any matter that will render the services required under this Agreement a violation of any applicable Federal, State or local law. In the event that any conflict of interest should hereinafter arise, Contractor shall promptly notify the City in writing of the existence of such conflict of interest.

CONFIDENTIALITY

Contractor agrees that such reports, information, opinions or conclusions shall not be made available to or discussed with any individual or organization, including the news media, without prior written approval of the City. Contractor shall exercise reasonable precautions to prevent the unauthorized disclosure and use of the City information whether deemed confidential or not.

GUARANTEE

Bidder certifies by bidding, that he is fully aware of the conditions of service and purpose for which item(s) included in this bid are to purchase, and that his offering will meet these requirements of service and purpose to the satisfaction of the City of Birmingham Finance Purchasing Division and its agent.

BID SAMPLES

Bid samples may be required. Bidder(s) must furnish sample(s) of items bid as noted in each item's specification. Any such samples requested must be made available to the City within five (5) working days or as noted in the item specification.

LAWS, PERMITS

The bidder's attention is directed to the fact that all applicable state laws, municipal ordinances and rules and regulations of the authorities having jurisdiction over the work to be performed shall apply to the Contract throughout, and they will be deemed to be included in the Contract as though written out in full in the Contract.

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CARMEN JONES, PURCHASING AGENT**

**NOVEMBER 28, 2022
ITB: 23-31**

INVITATION TO BID (cont'd)

INSURANCE REQUIREMENTS

Liability Insurance: For the duration of this contract and for limits not less stated below, the Contractor shall carry (i) general liability insurance (either primary or a combination of primary and umbrella coverage) with limits of not less than \$1,000,000.00 total with a maximum of \$500,000.00 for each occurrence and shall include, but not be limited to, personal injury, property damage, vandalism, property loss and theft; (ii) comprehensive automobile liability insurance concerning owned and rented vehicles operated by the Contractor with limits of not less than \$500,000.00 bodily injury per occurrence, \$500,000.00 property damage or combined single limit of \$500,000.00; and (iii) Workman's Compensation coverage in an amount adequate to comply with the statutory requirements. The City's bid number (23-31) must appear on any/all copies of the certificate of insurance.

All such insurance shall be provided by a policy or policies issued by a company or companies qualified by law to engage in the insurance business in the State of Alabama with a rating of B+ or better according to the most current edition of Best's Insurance reports. Bidder is to provide written documentation of the company's rating with their bid. The Contractor may use umbrella or excess liability insurance to achieve the required coverages, provided that such umbrella or excess insurance results in the same type of coverage as required for the individual policies. These insurance requirements are in addition to and do not affect any indemnification obligation of the Contractor herein.

City Additional Named Insured: Except for Worker's Compensation coverage, all coverages shall contain endorsements naming the City, and its officers, employees and agents as additional named insured with respect to liabilities that arise out of and result from the operations of the Contractor or the performance of its work. The additional named insured endorsement shall not limit the scope of coverage to the City to vicarious liability but shall allow coverage for the City to the fullest extent provided by the policies. Such additional insured coverage shall be at least as broad as Additional Insured endorsement from ISO, CG 2010.1185.

Policies Primary: All insurance policies required herein are to be primary and non-contributory with any insurance or self-insurance program administered by the City.

Waiver of Subrogation: Contractor shall require the carriers of the above-required insurance coverage to waive all rights of subrogation against the City, and its officers, employees, agents, contractors and subcontractors. Further, Contractor hereby waives any rights of subrogation against the City. All general or automotive liability coverage provided herein shall not prohibit the Contractor or its employees, agents or representatives from waiving the right of subrogation prior to loss or claim.

Proof of Coverage: Before the commencement of services or work hereunder, the Contractor shall provide the City a certificate(s) of insurance and endorsements (including the additional insured endorsements) evidencing compliance with the requirements in this section. Evidence of insurance will not be accepted on a per event basis. These certificates shall provide that such insurance shall not be terminated or expire without thirty (30) days advance notice to the City. In the event that the City is not notified that any of the coverage required herein is to be cancelled or changed in such a manner as not to comply with the requirements of this Contract, the Contractor shall, within fifteen (15) days prior to the effective date of such cancellation or change, obtain and provide the City with binder(s) of insurance evidencing the re-establishment of the insurance coverage required herein.

PRICING ESCALATION/DE-ESCALATION

The City of Birmingham may take into consideration an Economic Price Adjustment. All prices offered shall be firm against any increase for twelve (12) months from the effective date of the contract. Sixty (60) days prior to renewal, the City of Birmingham may entertain a request for escalation in accordance with the most recently published consumer price index. Each successive renewal option will be treated in the same manner. The City of Birmingham reserves the right to accept, reject, or negotiate the request for a price increase. If the price increase is approved, the price will remain firm for one (1) year from the date of the increase. This clause also enables the City of Birmingham to seek de-escalation on the same terms.

WARRANTY

Equipment/Parts furnished shall carry the standard warranty offered to the general public. **PLEASE ATTACH A COPY OF YOUR WARRANTY AS PART OF YOUR BID SUBMISSION.**

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NOVEMBER 28, 2022
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INVITATION TO BID (cont'd)

INVOICING

All invoices must agree with the purchase order in description and price and include the following information:

- 1.) Purchase Order Number
- 2.) Ship to Department Name and Address
- 3.) In order to ensure prompt payment, ALL **ORIGINAL INVOICES*** MUST BE SENT TO:

CITY OF BIRMINGHAM
FIRE ADMINISTRATION
1808 7TH AVENUE NORTH
BIRMINGHAM, AL 35203

*If invoice does not agree with purchase order, credits or a corrected invoice will be required in order for the City to process payment. **Invoices that do not reference an authorized Purchase Order will be returned to the vendor.**

THIRD-PARTY "REMIT-TO"

If a Bidder has a third-party "remit-to" company, that information must appear on the Bidders response. The City of Birmingham will send payment to the company designated by the Bidder on its response but will not be responsible for resolving payment issues should the Bidder change payment processing companies after a payment has been mailed or without a 45-day written notification to the Human Resources Department and Accounting division of the City of Birmingham.

BIDDER COMPLIANCE FORMAT

Bidders are to supply all requested data in the appropriate space on the bid form. Failure to supply this data may result in the rejection of bid.

All participant bidders shall mark conspicuously – **compliance or non-compliance with an "X"** in the appropriate column beside each specified item. Those items marked in the "**NO**" column must be explained in detail on the provided "**Exceptions to Specifications**" pages.

The manufacturer, model and/or series of each item listed reflects a point of reference for quality and performance. For any item specified that has been discontinued, bidder should offer the manufacturer's proposed substitute or closest match available. The City will consider manufacturers of brands other than those specified as long as they are comparable in appearance, quality, functionality, design and/or any other features, normally considered of a critical nature for the specific item being bid.

Any bid submitted must be accompanied by catalogs, brochures, detailed specification sheets, and/or any other descriptive information normally considered critical in the evaluation of the item being bid.

(THIS PORTION LEFT BLANK INTENTIONALLY)

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**NOVEMBER 28, 2022
ITB: 23-31**

BIRMINGHAM FIRE AND RESCUE SERVICE SPECIFICATIONS

GENERAL REQUIREMENTS:

This bid specifications are to purchase equipment for the fire attack during high rise operations and hose for new apparatus. All equipment listed in this bid shall meet the applicable NFPA standard at the current issue. The equipment listed below will be considered in this bid proposal.

HIGH RISE AND FORESTRY EQUIPMENT, ATTACK HOSE AND APPLIANCES	BIDDER COMPLIES	
	YES	NO
GROUP 1		
• 4 or more – 1.5 inch to 2-1 inch gated wye - Forestry	_____	_____
• 30 or more - 2.5 inch to 2-1.5 inch gate wye - Structural	_____	_____
• 8 or more - 2.5 inch aluminum female NST swivel connection to a 2.5 inch male hydrant gate valve	_____	_____
• 10 or more - 2.5 inch NST inline gauges	_____	_____
• 10 or more - 2.5 inch NST solid bore nozzle with 1 inch tip	_____	_____
• 4 or more - Solid bore nozzle with stacked tips and playpipes	_____	_____
• 20 or more - 1.5 inch NST adjustable fog nozzles	_____	_____
• 10 or more Blitz/Portable Monitor	_____	_____
• 4 or more - 1 inch forestry nozzle	_____	_____
• 20 or more - 1.5 inch NST adjustable fog nozzles	_____	_____
• 45 or more - High Rise Hose Straps	_____	_____
• 15 or more - 2.5 inch female adapter to 1.5 inch male adapter (reducer)	_____	_____
• 15 or more - 1.5 inch female adapter to 2.5 inch male adapter (increaser)	_____	_____
• 4 or more - 1.5 inch female adapter to 1 inch male adapter (reducer)	_____	_____
• 4 or more - 2.5 inch female adapter to 1 inch male adapter (reducer)	_____	_____
• 4 or more - 30° degree elbow Task Force Tips model #AH3ST-NT or acceptable equivalent	_____	_____
• Aluminum 5" Storz cap with metal lanyard and Storz lock	_____	_____
• Aluminum 4" Storz cap with metal lanyard and Storz lock	_____	_____
• Aluminum 2.5" blind cap with metal lanyard	_____	_____
• Aluminum 1.5" blind cap with metal lanyard	_____	_____
• 100 or more – 50 foot 2 inch attach hose	_____	_____
• 100 or more – 50 foot 1.75 inch attack hose	_____	_____
• 100 or more – 100 foot 5 inch supply hose (polyester)	_____	_____

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CARMEN JONES, PURCHASING AGENT**

**NOVEMBER 28, 2022
ITB: 23-31**

BIRMINGHAM FIRE AND RESCUE SERVICE SPECIFICATIONS (cont'd)

HIGH RISE AND FORESTRY EQUIPMENT, ATTACK HOSE AND APPLIANCES	BIDDER COMPLIES	
	YES	NO
GROUP 1 – cont'd		
• 100 or more – 100 foot 5 inch supply hose (rubber)	_____	_____
• 20 or more – 50 foot 1 inch type 2 forestry hose	_____	_____
• 10 or more – TFT Ball Intake Valve (AB1SP-NX)	_____	_____
• 10 or more – TFT LDH 5-Way Manifold AL92T2T3-SC	_____	_____
• 10 or more – TFT Hydrant Assist Valve (Oasis)	_____	_____
• 4 or more – TFT Blitzfire OSC Combination Package	_____	_____
• 1 or more – Flow testing meter	_____	_____
• 10 or more Hydrant Wrenches	_____	_____
• 10 or more Jumbo Hydrant Wrenches	_____	_____
• 10 or more Spanner Wrenches	_____	_____
• 10 are more Hydrant bags	_____	_____
GATED WYE - FORESTRY		
The gated wye shall be 1.5 inch NST female connection to two (2) 1 inch male NST connections	_____	_____
The gated wye shall be cast aluminum body with 1 inch ball valves with long handles	_____	_____
The gated wye shall be covered by a five (5) year warranty	_____	_____
GATED WYE - STRUCTURAL		
The gated wye shall be 2.5 inch NST female swivel connection to two (2) 1.5 inch male NST connections	_____	_____
The gated wye shall be cast aluminum body with 1.5 inch ball valves with long handles	_____	_____
The gated wye shall be covered by a five (5) year warranty	_____	_____
HYDRANT VALVE		
Aluminum 2.5 inch female NST swivel connection to a 2.5 inch male hydrant gate valve	_____	_____
Quarter turn ball valve are not acceptable	_____	_____
The outlet shall be designed to reduce water hammer	_____	_____
The gated wye shall be covered by five (5) year warranty	_____	_____

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BIRMINGHAM FIRE AND RESCUE SERVICE SPECIFICATIONS (cont'd)

HIGH RISE AND FORESTRY EQUIPMENT, ATTACK HOSE AND APPLIANCES	BIDDER COMPLIES	
	YES	NO
GROUP 1 - cont'd		
INLINE GAUGE – HIGH RISE		
The inline gauge shall be 2.5 inch female NST connection to 2.5 inch male NST connection	_____	_____
The female connection shall be free swivel inlet	_____	_____
The 2.5 inch male NST shall have a 20° pivoting outlet	_____	_____
The pressure gauge shall be fully guarded, shock resistant luminescent gauge	_____	_____
The gauge shall be gauged from 0 to 200 psi	_____	_____
The gauge shall be covered by a five (5) year warranty	_____	_____
HIGH RISE SOLID BORE NOZZLE		
The solid bore nozzle shall be 2.5 inch female swivel NST connection with shutoff	_____	_____
The solid bore tip shall be 1 inch	_____	_____
The nozzle shall be Pyrolite material and shall not exceed 5 pounds in weight	_____	_____
The nozzle shall have no pistol grip handle	_____	_____
The nozzle shall be covered by a five (5) year warranty	_____	_____
SOLID BORE NOZZLE WITH STACKED TIPS AND PLAYPIPES		
Combination of a playpipe with stacked tips for direct connection to a 2.5" coupling.	_____	_____
2.5" (65mm) coupling size	_____	_____
Female NH connection type	_____	_____
Rocker inlet coupling style	_____	_____
Non-full time swivel	_____	_____
Female NH connection type	_____	_____
Nozzle should be covered with a five (5) year warranty.	_____	_____

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BIRMINGHAM FIRE AND RESCUE SERVICE SPECIFICATIONS (cont'd)

HIGH RISE AND FORESTRY EQUIPMENT, ATTACK HOSE AND APPLIANCES	BIDDER COMPLIES	
	YES	NO
GROUP 1 - cont'd		
ADJUSTABLE FOG NOZZLE		
The nozzle shall have an operating pressure of 100 psi	_____	_____
The nozzle shall have 1.5 inch NST swivel connection and a pistol grip handle	_____	_____
The nozzle shall have adjustable gallon settings of 30, 95, 125, 150, and 200 GPM	_____	_____
The nozzle weight shall be less than 6 pounds	_____	_____
The nozzle shall be capable of flushing without shutting down	_____	_____
The nozzle shall meet NFPA 1964	_____	_____
The nozzle shall have a ten (10) year warranty	_____	_____
BLITZ/PORTABLE MONITOR		
Task Force Blitzforce Series Monitor Model: XXLG-32 or "Acceptable equivalent."	_____	_____
Maximum flow 500 GPM (2000 l/min)	_____	_____
The nozzle shall have a 20 degree to 60 degree up and down range of stream motion.	_____	_____
Horizontal movement degrees shall be 20 left and right of center	_____	_____
Package shall come with monitor, mounting bracket and combination nozzle	_____	_____
Nozzle shall have at least a five year warranty	_____	_____
FORESTRY NOZZLE		
The forestry nozzle shall be operated with a twist to switch between stream patterns and GPM flow	_____	_____
The flow patterns shall be able to be changed from fog to straight stream	_____	_____
The nozzle shall have a 1 inch female NST coupling	_____	_____
The nozzle shall be capable of GPM settings of 10 to 30 GPM	_____	_____
The nozzle shall not exceed 1 pound in weight	_____	_____

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BIRMINGHAM FIRE AND RESCUE SERVICE SPECIFICATIONS (cont'd)

HIGH RISE AND FORESTRY EQUIPMENT, ATTACK HOSE AND APPLIANCES	BIDDER COMPLIES	
	YES	NO
GROUP 1 – cont'd		
1.5 INCH ADJUSTABLE GALLON FOG NOZZLE		
The nozzle shall have an operating pressure of 100 psi	___	___
The nozzle shall have 1.5 inch NST swivel connection and a pistol grip handle	___	___
The nozzle shall have adjustable gallon settings of 30, 95, 125, 150, and 200 GPM	___	___
The nozzle weight shall be less than 6 pounds	___	___
The nozzle shall be capable of flushing without shutting down	___	___
The nozzle shall meet NFPA 1964	___	___
The nozzle shall have a ten (10) year warranty	___	___
HIGH RISE HOSE STRAP		
The High Rise strap shall be a capable of carrying the hose in the Denver Load style	___	___
The strap shall be capable for holding a single 50 foot section of 2 inch hose	___	___
The High Rise strap shall be made with 1¾" heavy duty webbing straps	___	___
Forged steel buckles	___	___
Industrial strength Velcro and 3M reflective striping	___	___
If the bidder is bidding separate individual straps, then the bid shall be a minimum of three (3) straps as a set to equal one (1) strap	___	___
HOSE ADAPTERS		
The hose adaptors shall meet the descriptions listed below:		
All adapters shall have Miralox finish with the colors specified by each adapter listed below	___	___
Aluminum 2.5 inch female NST to 1.5 inch NST male adapter (reducer). The color of this adapter shall be <u>GREEN</u> .	___	___
Aluminum 1.5 inch female NST to 2.5 inch NST male adapter (increaser). The color of this adapter shall be <u>GREEN</u> .	___	___
Aluminum 1.5 inch female NST to 1 inch NST male adapter (reducer). The color of this adapter shall be <u>YELLOW</u> .	___	___
Aluminum 2.5 inch female NST to 1 inch NST male adapter (reducer). The color of this adapter shall be <u>YELLOW</u> .	___	___

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BIRMINGHAM FIRE AND RESCUE SERVICE SPECIFICATIONS (cont'd)

HIGH RISE AND FORESTRY EQUIPMENT, ATTACK HOSE AND APPLIANCES	BIDDER COMPLIES	
	YES	NO
GROUP 1 - cont'd		
30 DEGREE ELBOW		
For corrosion resistance, the elbow shall be constructed of hard coat anodized aluminum alloy	_____	_____
Shall be 30 degree elbow Task Force Tips model #AH3ST-NT or acceptable equivalent	_____	_____
The elbow shall have a silver powder coat finish inside and out and include a polymer bearing ring for prevention of galvanic corrosion.	_____	_____
An eyelet attachment point shall be provided for securing the lanyard or chain for the cap or plug	_____	_____
The elbow shall meet a 900 PSI hydrostatic test and comply with the current NFPA 1965 Standard.	_____	_____
The elbow shall be configured with a 5" rigid Storz coupling and a 5" female NH swivel rocker lug coupling.	_____	_____
The unit shall be covered by a five-year warranty or better	_____	_____
BLIND CAPS		
Aluminum 5" Storz cap with metal lanyard and Storz lock	_____	_____
Aluminum 4" Storz cap with metal lanyard and Storz lock	_____	_____
Aluminum 2.5" blind cap with metal lanyard	_____	_____
Aluminum 1.5" blind with cap metal lanyard	_____	_____

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BIRMINGHAM FIRE AND RESCUE SERVICE SPECIFICATIONS (cont'd)

HIGH RISE AND FORESTRY EQUIPMENT, ATTACK HOSE AND APPLIANCES	BIDDER COMPLIES	
	YES	NO
GROUP 2		
COMBAT ATTACK FIRE HOSE		
All hose shall be in 50 foot lengths.	_____	_____
Bidder must bid Key Hose "No Exceptions"	_____	_____
All hose shall meet current NFPA 1961 Standards, Underwriter's Laboratories and MIL-H-24606B.	_____	_____
The hose must be manufactured in the U.S.A., coupled and tested in the same facility, with a ten (10) year warranty plus a one (1) year wear/tear warranty.	_____	_____
A copy of the manufactures testing procedure and warranty must be submitted in writing with their formal bid.	_____	_____
Each vendor must submit the Manufacture, Model and inside diameter of the hose they are bidding.	_____	_____
Hose Construction: This hose is designed specifically for aggressive fire attack operations. The outer jacket is woven from ring spun staple polyester yarns over an inner liner consisting of a one-piece extruded through-the-weave nitrile/PVC tube with double dip color or clear coat abrasion resistant process as a standard. When the hose is tested in accordance with NFPA 1961, the liner or cover shall have the following properties:		
<ul style="list-style-type: none"> • Ultimate Tensile Strength: shall not be less than 1200 PSI 	_____	_____
<ul style="list-style-type: none"> • Ultimate Elongation: shall not be less than 200% 	_____	_____
<ul style="list-style-type: none"> • Accelerated Aging Test: shall meet requirements of UL19 for accelerated aging 	_____	_____
<ul style="list-style-type: none"> • Adhesion: between reinforcement and liner shall be a minimum of 20 pounds 	_____	_____
<ul style="list-style-type: none"> • Ozone Resistance: shall show no signs of visible cracking of the cover of liner when tested in accordance with ASTM D1149-91 and ASTM D518-86 (R91), Procedure B 	_____	_____
<ul style="list-style-type: none"> • Chemical Resistance: Exposure to seawater and contamination by most chemicals will have no effect on the short or long-term performance of the hose 	_____	_____
<ul style="list-style-type: none"> • It shall not be affected by rot or mildew. The hose must be of sufficient body and weight to meet the demands of heavy-duty firefighting usage. 	_____	_____
Safety Factors:		
<ul style="list-style-type: none"> • Abrasion Resistance: A direct relationship to the safe performance of the fire hose. The UL abrasion test most closely resembles the fire ground use of fire hose and as such, is considered of prime importance. Hose meeting all of the abrasion resistance safety factors below shall do so without exceeding average weights. 	_____	_____
<ul style="list-style-type: none"> • UL Abrasion: The hose shall pass a burst test after 5000 cycles on a reciprocating abrasion tester as specified in UL Standard 19. 	_____	_____

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BIRMINGHAM FIRE AND RESCUE SERVICE SPECIFICATIONS (cont'd)

HIGH RISE AND FORESTRY EQUIPMENT, ATTACK HOSE AND APPLIANCES	BIDDER COMPLIES	
	YES	NO
GROUP 2 - cont'd		
Safety Factors - cont'd:		
<ul style="list-style-type: none"> Cold Resistance Safety Factor: Hose shall be capable of safe use down to -50°F. The hose shall have no apparent damage to cover reinforcement or lining when subjected to the following cold bending test: A 50 ft. length of dry hose is coiled and placed in a cold box at -50° for twenty-four (24) hours. The hose shall not show any damage to the reinforcement when subjected to hydrostatic acceptance test pressure. 	_____	_____
<ul style="list-style-type: none"> The service test pressure of hose made to this specification shall be 500 PSI. The proof test pressure shall be 1000 PSI, and the burst test pressure of a 3 ft. sample shall be at least 1500 PSI. At 600 PSI pressure, a 50 ft. hose shall not elongate more than 30 inches. The twist of the hose shall not exceed two (2) right hand turns per 50 ft. nor shall it rise up from the test surface. The hose must resist kinking and be flexible at temperatures as low as -65°F. 	_____	_____
COMBAT ATTACK FIRE HOSE - cont'd		
<ul style="list-style-type: none"> Flashover Resistance Safety Factor: Heat resistance is of the utmost importance when evaluating interior attack hose. This hose shall meet the safety factors for heat resistance without exceeding the normal fire hose weight. The hose shall be subjected to a static pressure of 100 PSI and be capable of withstanding a surface temperature of 1200°F for a minimum of 30 seconds without bursting. 	_____	_____
<ul style="list-style-type: none"> Water Pick-up Weight: The tendency for a hose to absorb water while in a wet environment can create significant handling difficulties. When tested against the procedure listed in MIL-H-24606B, the maximum weight gain shall not exceed 3 lbs. per 50 foot length. 	_____	_____
Couplings:		
Lightweight aluminum threaded couplings with a 2½" x 2" Inside Taper with 2½" NST threads. All couplings shall be made in the USA. Imported couplings will not be accepted. The minimum Bowl Size of the coupling shall be 2 ² / ₅ ".	_____	_____
The following friction loss guidelines will be strictly adhered to in this specification:		
210 G.P.M. NO MORE THAN 15 LBS PER 100' COUPLED	_____	_____
250 G.P.M. NO MORE THAN 25 LBS PER 100' COUPLED	_____	_____
300 G.P.M. NO MORE THAN 39 LBS PER 100' COUPLED	_____	_____
Color: The hose shall be Green	_____	_____
Hose shall come from the factory with identifying numbers printed on the hose jacket. The series of numbers shall be provided by BFRS.	_____	_____
A bid for the above hose specification shall be included for: <ul style="list-style-type: none"> 1.75 inch hose with 1.5 inch NST couplings - color Tan and Red 2.5 inch hose with 2.5 inch NST couplings - color Blue 	_____	_____

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HIGH RISE AND FORESTRY EQUIPMENT, ATTACK HOSE AND APPLIANCES	BIDDER COMPLIES	
	YES	NO
GROUP 2 - cont'd		
UNIVERSAL ATTACK FIRE HOSE		
Hose specified, shall meet NFPA 1961 standards	_____	_____
Bidder must bid Key Hose "No Exceptions"	_____	_____
Hose furnished under these specifications will have a potential service life and warranty of ten (10) years, barring mistreatment that would render it unfit for service. Upon delivery the hose shall be free from defects in workmanship and materials.	_____	_____
The hose shall be 100% polyester double jacket. The hose manufactured to this specification shall be tightly woven with filament polyester yarn in the filler, and ring spun polyester yarn in the warp of both the inside and outside jackets.	_____	_____
The hose shall be 100% mildew resistant. The hose shall be resistant to most chemicals and petrol products, and resist deterioration due to exposure to UV-rays and ozone. It shall not be affected by rot or mildew.	_____	_____
The inside and outside jackets shall be manufactured with a minimum pick count of 11 picks per inch for increased strength and abrasion resistance.	_____	_____
The inside jacket shall be manufactured using a reverse twill process to reduce friction loss. The inside jacket shall be manufactured on a circular loom in a clockwise direction and the outside jacket in a counter-clockwise direction.	_____	_____
Hose assemblies shall be available with the special "Key-Lok" polyurethane based polymer impregnation for added abrasion resistance and ease in identification. Impregnated hose shall meet the requirements of MIL-H-24606B for abrasion resistance.	_____	_____
The rubber lining shall be a single-ply extruded tube of synthetic high tensile EPDM compounded to resist ozone. The finished form shall be free of pits or other imperfections and have a smooth finish for better flow characteristics.	_____	_____
The tube thickness shall be a minimum of .040".	_____	_____
No reclaimed rubber shall be used. Plastic tubes that sacrifice durability of the hose life for the sake of weight are not acceptable. Tensile Strength, Ultimate Elongation and Adhesion: Shall meet the standards of Underwriters Laboratories, Inc. as well as all other properties of UL-19 for rubber lined hose.	_____	_____
The minimum burst test pressure, when tested in accordance to NFPA 1961, shall be 1200 PSI/82 Bar.	_____	_____
Service test pressures stenciled on the hose shall be in accordance with current minimum requirements of NFPA 1962.	_____	_____
Hose shall be in 50 foot lengths	_____	_____
Hose shall have 1.5 inch NST couplings	_____	_____
Hose shall come from the factory with identifying numbers printed on the hose jacket. The series of numbers shall be provided by BFRS.	_____	_____
Hose shall be available in the following colors: Red, Blue, Tan, Clear, Black	_____	_____

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HIGH RISE AND FORESTRY EQUIPMENT, ATTACK HOSE AND APPLIANCES	BIDDER COMPLIES	
	YES	NO
GROUP 2 - cont'd		
UNIVERSAL ATTACK FIRE HOSE - cont'd		
A bid shall be included for the above hose specification for: <ul style="list-style-type: none"> • 2.5 inch hose with 2.5 inch NST couplings • 3 inch hose with 2.5 inch NST couplings 	_____	_____
5 INCH SUPPLY HOSE – POLYESTER		
Hose specified, shall meet NFPA 1961 standards	_____	_____
Bidder must bid Key Hose “No Exceptions”	_____	_____
Hose furnished under these specifications will have a potential service life and warranty of ten (10) years, barring mistreatment that would render it unfit for service. Upon delivery the hose shall be free from defects in workmanship and materials.	_____	_____
The hose shall be 100% polyester double jacket. The hose manufactured to this specification shall be tightly woven with filament polyester yarn in the filler, and ring spun polyester yarn in the warp of both the inside and outside jackets.	_____	_____
The hose shall be 100% mildew resistant. The hose shall be resistant to most chemicals and petrol products, and resist deterioration due to exposure to UV-rays and ozone. It shall not be affected by rot or mildew.	_____	_____
The inside and outside jackets shall be manufactured with a minimum pick count of eleven (11) picks per inch for increased strength and abrasion resistance.	_____	_____
The inside jacket shall be manufactured using a reverse twill process to reduce friction loss. The inside jacket shall be manufactured on a circular loom in a clockwise direction and the outside jacket in a counter-clockwise direction.	_____	_____
Hose assemblies shall be available with the special “Key-Lok” polyurethane based polymer impregnation for added abrasion resistance and ease in identification. Impregnated hose shall meet the requirements of MIL-H-24606B for abrasion resistance.	_____	_____
The rubber lining shall be a single-ply extruded tube of synthetic high tensile EPDM compounded to resist ozone. The finished form shall be free of pits or other imperfections and have a smooth finish for better flow characteristics.	_____	_____
The tube thickness shall be a minimum of .020”.	_____	_____
The adhesion between the tube and jacket shall meet a minimum requirement of 12 pounds on a 1½” strip when tested in accordance to UL-19 standards. Minimum tensile strength requirements for the finished tube requirement shall be 1800 PSI.	_____	_____
The minimum burst test pressure, when tested in accordance to NFPA 1961, shall be 1200 PSI/82 Bar.	_____	_____
Service test pressures stenciled on the hose shall be in accordance with current minimum requirements of NFPA 1962.	_____	_____
Hose shall be in 100 foot lengths, with 25 foot and 50 foot sections on request.	_____	_____

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HIGH RISE AND FORESTRY EQUIPMENT, ATTACK HOSE AND APPLIANCES	BIDDER COMPLIES	
	YES	NO
GROUP 2 – cont'd		
5 INCH SUPPLY HOSE – POLYESTER - cont'd		
Hose shall come from the factory with identifying numbers printed on the hose jacket. The series of numbers shall be provided by BFRS.	_____	_____
Hose shall have 5” Storz couplings. Plastic components within the storz assembly shall not be accepted.	_____	_____
Hose shall be available in the following colors: Red, Black and Yellow.	_____	_____
5 INCH HOSE – RUBBER		
Hose shall be made from 100% high tenacity synthetic polyester yarn, circularly woven and completely protected by a through-the-weave extruded PVC/Nitrile rubber, forming a single homogeneous construction without the use of glues or adhesives of any type. Pro-Flow features a thin rib construction to aid abrasion resistance.	_____	_____
Hose shall meet all requirements of NFPA 1961 for supply hose.	_____	_____
Bidder must bid Key Hose “No Exceptions”	_____	_____
Hose shall come from the factory with printed identifying numbers provided by BFRS	_____	_____
Hose shall carry a ten (10) year written warranty against defects in materials and workmanship.	_____	_____
Hose shall be in 100 foot lengths, with 25 foot and 50 foot sections on request.	_____	_____
Ultimate Tensile Strength – Tensile strength of the lining and cover shall not be less than 1200 PSI.	_____	_____
Ultimate Elongation – 400% minimum.	_____	_____
Accelerated Aging Test – The tensile strength and ultimate elongation of the vulcanized rubber compound which has been subjected to the action of oxygen at a pressure of 300 PSI (±10 PSI) and a temperature of 158° (±18°F) for a period of 96 hours shall retain 60 percent of its originally stated properties.	_____	_____
Hose shall withstand 10,000 cycles on the Taber Abrasion Machine (H-22 Wheel: ½ kg). Other abrasion test results (UL, DIN, etc.) can be supplied on request of purchaser.	_____	_____
Hose shall have a capability of use down to -35°F. Hose shall have no apparent damage to cover, reinforcement or lining when subjected to the following cold bending test: a 50 ft. length of dry hose is to be firmly coiled and placed in a cold box at -35°F for a duration of twenty-four (24) hours. Immediately after removal of the hose from the box, hose should be uncoiled and laid out by one operator. Following this procedure, the hose shall not leak nor show any damage to the reinforcement when subjected to the hydrostatic acceptance test stated above.	_____	_____
Hose shall show no visible signs of cracking to the lining or cover when tested in accordance to ASTM D518 Procedure B (100pphm/118°F/70 hours).	_____	_____
Exposure to contamination by most chemical substances, hydrocarbons, oils, alkalis, acids and greases must have no effect on the short or long-term performance of the hose.	_____	_____

NAME OF YOUR COMPANY _____

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710 NORTH 20TH STREET
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OFFICE: (205) 254-2265/FAX: (205) 254-2484**

**AISHA JOHNSON, SENIOR BUYER
CARMEN JONES, PURCHASING AGENT**

**NOVEMBER 28, 2022
ITB: 23-31**

BIRMINGHAM FIRE AND RESCUE SERVICE SPECIFICATIONS (cont'd)

HIGH RISE AND FORESTRY EQUIPMENT, ATTACK HOSE AND APPLIANCES	BIDDER COMPLIES	
	YES	NO
GROUP 2 – cont'd		
5 INCH HOSE – RUBBER - cont'd		
The hose, when subjected to a static pressure of 100 PSI, shall be capable of withstanding a surface temperature of 1200°F for a minimum of one minute without rupture or damage to the synthetic reinforcement.	_____	_____
The color shall be of HI-VISIBILITY yellow.	_____	_____
Hose shall come from the factory with identifying numbers printed on the hose jacket. The series of numbers shall be provided by BFRS.	_____	_____
Hose shall have 5” Storz couplings. Plastic components within the Storz assembly shall not be accepted.	_____	_____
1 INCH SINGLE JACKET FORESTRY HOSE		
The fire hose assembly supplied under this specification shall meet NFPA 1961 and forestry spec 5100-187 standards.	_____	_____
Bidder must bid Key Hose “No Exceptions”	_____	_____
Hose furnished under these specifications will have a potential service life warranty of five (5) years.	_____	_____
The jackets will be woven evenly and be free of defects, including knots, lumps, or unsightly disfigurations that could jeopardize the integrity of the hose assembly. The warp yarn shall consist of ring spun polyester yarn.	_____	_____
The use of filament or entangled yarn is expressly forbidden due to the lack of inherent abrasion resistance. The filler yarns shall be constructed of high strength, low elongation, filament polyester to reduce weight and increase flexibility. The jacket construction shall be a 1-2 woven twill pattern with the 2 over-crossing on the exterior of the jacket.	_____	_____
Hose assemblies are available with polymer impregnation that provide additional abrasion resistance. Standard color: yellow. Color shall be pure and even in each hose.	_____	_____
Impregnated hose shall meet the requirements of USDA 5100-187 for abrasion resistance.	_____	_____
The lining shall be a single-ply extruded tube of synthetic polyurethane to resist zone. The polyurethane tube shall adhere to the jacket to prevent delamination. The finished product will meet and exceed all potable water Mil-H-24606B standards for the manufacturing of lightweight fire hose. The use of the polyurethane lined fire hose is designed to increase packing ability and applications where lightweight fire hose is desired.	_____	_____
The minimum burst test pressure, when tested in accordance to NFPA 1961, on Key Type 2 diameters shall be 900 PSI/62 Bar. Service test pressures stenciled on the hose shall be in accordance with current minimum requirements of NFPA 1962. A valid USA/ULC Underwriters listing shall be in force.	_____	_____
Expansion ring threaded or quarter-turn quick connect couplings available as specified by the end-user.	_____	_____

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BIRMINGHAM FIRE AND RESCUE SERVICE SPECIFICATIONS (cont'd)

HIGH RISE AND FORESTRY EQUIPMENT, ATTACK HOSE AND APPLIANCES	BIDDER COMPLIES	
	YES	NO
GROUP 2 – cont'd		
1 INCH SINGLE JACKET FORESTRY HOSE – cont'd		
Couplings shall meet 5100-108 minimum requirements.	_____	_____
The hose shall be in 50 foot lengths	_____	_____
The hose shall have 1 inch NST couplings	_____	_____
Hose shall come from the factory with identifying numbers printed on the hose jacket. The series of numbers shall be provided by BFRS.	_____	_____
The hose shall be color: YELLOW	_____	_____

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BIRMINGHAM FIRE AND RESCUE SERVICE SPECIFICATIONS (cont'd)

HIGH RISE AND FORESTRY EQUIPMENT, ATTACK HOSE AND APPLIANCES	BIDDER COMPLIES	
	YES	NO
GROUP 3		
6 INCH BALL INTAKE VALVE		
Task Force Tips Ball Intake Valve Model #AB1SP-NX "No Exceptions"	_____	_____
Coupling Size Side A - 6.0 Inch female NST	_____	_____
Coupling Size Side B - 5.0 Inch Storz	_____	_____
LDH 5-WAY MANIFOLD		
Task Force Tips LDH 5-Way Manifold Model: AL92T2T3-SC "No Exceptions"	_____	_____
The unit shall be equipped with an automatic pressure relief valve that is adjustable up to 300 psi.	_____	_____
The unit shall be configured with a 5" Storz swivel inlet, and 5" Storz swivel outlet with a slow open/close valve with only 2 PSI friction loss at 1000 GPM.	_____	_____
The unit shall have four (4) 2½" male NH outlets with slow close aluminum ball valves with full 2½" waterway, and multi-turn knob with valve position indicator.	_____	_____
The unit shall have a serial number and be covered by a five (5) year warranty.	_____	_____
HYDRANT ASSIST VALVE		
Task Force Tips Hydrant Assist Valve Model: Oasis "No Exceptions"	_____	_____
Coupling Size Side A - 5.0 Inch NST Female to the hydrant	_____	_____
Coupling Size for other outlets - 5.0 Inch Storz	_____	_____
BLITZFIRE OSC COMBINATION		
Task Force Tips Blitzfire Oscillating Combination package Model: XXC-33 "No Exceptions"	_____	_____
Flow range up to 500 gpm	_____	_____
Shall have water driven turbine makes the nozzle automatically sweep 10°, 15°, or 20° either side of center.	_____	_____
The oscillating mechanism shall the ability to disengaged and horizontal rotation moved manually,	_____	_____
Package shall have OSC monitor, bracket and max-series nozzle.	_____	_____

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**NOVEMBER 28, 2022
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BIRMINGHAM FIRE AND RESCUE SERVICE SPECIFICATIONS (cont'd)

HIGH RISE AND FORESTRY EQUIPMENT, ATTACK HOSE AND APPLIANCES	BIDDER COMPLIES	
	YES	NO
GROUP 4		
FLOW TESTING METER		
The testing system shall be a flow and pressure meter with a stainless-steel paddle wheel	_____	_____
Solid state electronics with no moving parts to adjust	_____	_____
Shall have a heavy-duty storage case	_____	_____
Shall have 12V internal battery, 110V AC battery charger, and 12V DC power supply cord	_____	_____
Shall have 2.5 inch female swivel	_____	_____
HOSE ROLLER		
22 oz. vinyl bag The roller shall be constructed from lightweight materials and have a capacity for up to 5" LDH hose.	_____	_____
The unit shall be covered by a five-year warranty or better	_____	_____
HYDRANT WRENCH		
A Task Force Tips model #A3813 spanner wrench or acceptable equivalent shall be provided	_____	_____
Spanner wrench shall be made from lightweight cast aluminum alloy.	_____	_____
Spanner shall fit most 1¼" through 4" couplings	_____	_____
Features shall include pin detail, window jimmy, gas cock slot, hammer head and hanger loop	_____	_____
The unit shall be covered by a five-year warranty or better	_____	_____
JUMBO HYDRANT WRENCH		
A Task Force Tips model #A3090 spanner wrench or acceptable equivalent shall be provided.	_____	_____
The lightweight aluminum wrench shall fit virtually any 1" through 6" Storz, rocker lug or long handle fire hose couplings.	_____	_____
Wrench is designed to fit wrench bracket Task Force Tips model # A3815 or acceptable equivalent.	_____	_____
The wrench shall have an adjustable tab for releasing of Storz coupling locks.	_____	_____
The unit shall be covered by a five-year warranty or better	_____	_____
SPANNER WRENCH		
A Task Force Tips model #A3813 spanner wrench or acceptable shall be provided.	_____	_____
Features shall include pin detail, window jimmy, gas cock slot, hammer head and hanger loop.	_____	_____
For any style or size coupling from 1¼" to 4"	_____	_____

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BIRMINGHAM FIRE AND RESCUE SERVICE SPECIFICATIONS (cont'd)

HIGH RISE AND FORESTRY EQUIPMENT, ATTACK HOSE AND APPLIANCES	BIDDER COMPLIES	
	YES	NO
GROUP 4 - cont'd		
HYDRANT BAG		
Shall be made of cast-iron aluminum	_____	_____
The wrench shall have an adjustable tab for releasing of Storz coupling locks.	_____	_____
The unit shall be covered by a five-year warranty or better	_____	_____
22 oz. vinyl bag	_____	_____
Dimensions: 24" L x 12" W x 9" H	_____	_____
Velcro closure on top allows for quick access with your gloves on	_____	_____
Padded Tuff Bottom	_____	_____

REPAIR TRAINING		
Training for BFRS repair technicians on all nozzles and appliances shall be provided at no additional cost by the vendor at a Birmingham Fire Department location to be determine. Training shall consist of at least eight (8) hours at a time(s) to be coordinated between the successful vendor and BFRS.	_____	_____

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CARMEN JONES, PURCHASING AGENT

NOVEMBER 28, 2022
ITB: 23-31

BID FORM

Carmen Jones
Purchasing Agent
City of Birmingham, AL

Submitted below is my firm bid for fire hose & appliances for the City of Birmingham. Per Section 3-3-7(7) of the General City Code for the City of Birmingham, the proposed contract shall be in effect for a minimum of one (1) year. Upon approval of both parties, the life of this contract shall exist with the provision that no price increase in the original bid prices shall be allowed, in accordance with your Invitation to Bid and Specifications dated November 28, 2022. Prices quoted are f.o.b. Birmingham, AL, and I am bidding in exact accordance with the specifications except as listed below.

Note: Any bid submitted must be accompanied by catalogs, brochures and/or specification sheets which will adequately demonstrate that the item(s) being bid is (are) equal or better than those specific brands and models specified by the Birmingham Fire & Rescue Service. Failure to provide the stated documentation may result in the rejection of your bid from consideration.

GROUP 1					
#	DESCRIPTION	APPROX QTY	MAKE/MODEL	UNIT PRICE/UOM	EXTENDED PRICE
1	1.5 inch two (2) 1 inch gated wye - Forestry	4		\$ /ea	\$
2	2.5 inch to two (2) 1.5 inch gated wye - Structural	30		\$ /ea	\$
3	2.5 inch aluminum female NST swivel connection to 2.5 inch male hydrant gate valve	8		\$ /ea	\$
4	2.5 inch NST inline gauges	15		\$ /ea	\$
5	2.5 inch NST solid bare nozzle with 1 inch tip	15		\$ /ea	\$
6	Solid bore nozzle with stacked tips and playpipes	10		\$ /ea	\$
7	1.5 inch NST adjustable fog nozzles	20		\$ /ea	\$
8	Blitz/Portable Monitor	10		\$ /ea	\$
9	1 inch Forestry nozzle, fog to straight stream flow pattern, 1 inch female NST coupling	4		\$ /ea	\$
10	High Rise Hose Straps	45		\$ /ea	\$
11	2.5 inch female adapter to 1.5 inch male adapter (reducer)	15		\$ /ea	\$
12	1.5 inch female adapter to 2.5 inch male adapter (increaser)	15		\$ /ea	\$

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BID FORM (cont'd)

GROUP 1 - cont'd					
#	DESCRIPTION	APPROX QTY	MAKE/MODEL	UNIT PRICE/UOM	EXTENDED PRICE
13	1.5 inch female adapter to 1 inch male adapter (reducer)	4		\$ /ea	\$
14	2.5 inch female adapter to 1 inch male adapter (reducer)	4		\$ /ea	\$
15	30 degree elbow	4		\$ /ea	\$
16	Aluminum 5" Storz cap with metal lanyard and Storz lock	10		\$ /ea	\$
17	Aluminum 4" Storz cap with metal lanyard and Storz lock	10		\$ /ea	\$
18	Aluminum 2.5" blind cap metal lanyard	10		\$ /ea	\$
19	Aluminum 1.5" blind cap metal lanyard	10		\$ /ea	\$
GROUP 1 TOTAL					\$

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BID FORM (cont'd)

GROUP 2					
#	DESCRIPTION	APPROX QTY	MAKE/MODEL	UNIT PRICE/UOM	EXTENDED PRICE
1	50 foot section, 2 inch combat attack hose with couplings as specified	100		\$ /section	\$
2	50 foot section, 1.75 inch combat attack hose with 1.5 inch NST couplings as specified	100		\$ /section	\$
3	50 foot section, 2.5 inch combat attack hose with 2.5 inch NST coupling as specified	100		\$ /section	\$
4	50 foot section, 1.75 inch universal attack hose with 1.5 inch NST couplings as specified	100		\$ /section	\$
5	50 foot section, 2.5 inch universal attack hose with 2.5 inch NST couplings as specified	50		\$ /section	\$
6	50 foot section, 3 inch universal attack hose with 2.5 inch NST coupling as specified	50		\$ /section	\$
7	100 foot section, 5 inch, 100% polyester double jacket supply hose, as per specification	100		\$ /section	\$
8	25 foot section, 5 inch, 100% polyester double jacket supply hose, as per specification	20		\$ /section	\$
9	50 foot section, 5 inch, 100% polyester double jacket supply hose, as per specification	20		\$ /section	\$
10	100 foot section, 5 inch, 100% high tenacity synthetic polyester yarn through the weave extruded PVC/Nitrile rubber, as per specification	100		\$ /section	\$
11	25 foot section, 5 inch, 100% high tenacity synthetic polyester yarn through the weave extruded PVC/Nitrile rubber, as per specification	20		\$ /section	\$
12	50 foot section, 5 inch, 100% high tenacity synthetic polyester yarn through the weave extruded PVC/Nitrile rubber, as per specification	20		\$ /section	\$
13	50 foot section, 1 inch Type 2 single jacket Forestry hose, 1 inch NST couplings, as per specification	100		\$ /section	\$
GROUP 2 TOTAL					\$

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BID FORM (cont'd)

GROUP 3					
#	DESCRIPTION	APPROX QTY	MAKE/MODEL	UNIT PRICE/UOM	EXTENDED PRICE
1	TFT Ball Intake Valve (AB1SP-NX), coupling size side A - 6 inch female NST, coupling size side B - 5 inch Storz	10		\$ /ea	\$
2	Task Force Tips LDH 5-Way Manifold Model: AL92T2T3-SC	10		\$ /ea	\$
3	TFT Hydrant Assist Valve (Oasis) coupling size side A - 5 inch NST female to the hydrant; coupling size for other outlets - 5 inch Storz	10		\$ /ea	\$
4	Task Force Tips Blitzfire Oscillating Combination package Model: XXC-33	10		\$ /ea	\$
GROUP 3 TOTAL					\$

GROUP 4					
#	DESCRIPTION	APPROX QTY	MAKE/MODEL	UNIT PRICE/UOM	EXTENDED PRICE
1	Flow Testing Meter, as per specification	10		\$ /ea	\$
2	Hose Roller, as per specification	10		\$ /ea	\$
3	Hydrant Wrench, as per specification	10		\$ /ea	\$
4	Jumbo Hydrant Wrench, as per specification	10		\$ /ea	\$
5	Spanner Wrench, as per specification	10		\$ /ea	\$
6	Hydrant Bag, as per specification	10		\$ /ea	\$
GROUP 4 TOTAL					\$
GRAND TOTAL FOR GROUPS 1-4					\$

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BID FORM (cont'd)

DELIVERY:

Delivery is guaranteed no later than _____ day(s) after order date.

MAXIMUM DISCOUNT:

Guaranteed discount if bid is renewed for 2nd year: _____ %

Guaranteed discount if bid is renewed for 3rd year: _____ %

The federal government has changed from the DUNS Number to the Unique Entity ID which is generated by going to SAM.gov.

- The Unique Entity ID is a 12-character alphanumeric ID assigned to an entity by SAM.gov
- As part of this transition, the DUNS Number has been removed from SAM.gov.

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CERTIFICATION REGARDING DEBARMENT, SUSPENSIONS,
AND OTHER RESPONSIBILITY MATTERS

(Executive Order 12549, Debarment and Suspension, 34 CFR Part 85)

Bidder/Offeror certifies to the best of its knowledge and belief, that it and its principals:

- (a) Are are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency;
- (b) Have have not within a three-year period preceding award of this contract been convicted of or had civil judgement rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or Local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;
- (c) Are are not presently indicted for or otherwise criminally charged by a governmental entity (Federal, State or Local) with commission on any of the offenses enumerated in Paragraph (b) above; and
- (d) Have have not within a three-year period preceding award of this contract had one or more public transactions (Federal, State or Local) terminated for cause of default.

AUTHORIZED SIGNATURE

TITLE

PRINTED NAME

DATE

_____ I am unable to certify to the above statements. My explanation is attached.

NAME OF YOUR COMPANY _____

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NOVEMBER 28, 2022
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SIGNATURE PAGE

I hereby certify that we do not discriminate in employment of our personnel against any persons on account of race, creed, color, sex, or national origins, and acknowledge and agree that the City encourages minority - and women - owned business participation to the maximum extent possible. This policy includes Historically Underutilized Business Enterprises such as architectural firms, engineering firms, investment banking firms, other professional service providers, and construction contractors as part of the City's business, economic and community revitalization programs.

This page must be returned with bid.

Bidder acknowledges receipt of _____ addenda(s).
(addenda number)

UEI # _____

Date of Bid

Name (Print legibly or Type)

Company

Title

Street Address

Signature

City State Zip

Tax ID Number

Post Office Box

E-Mail Address

City State Zip

Telephone Number

Terms of Payment

Fax Number

Delivery Date

Cell Phone

IF AVAILABLE, PLEASE SUBMIT COPY OF CURRENT CITY OF BIRMINGHAM BUSINESS LICENSE WITH THIS BID.

INDICATE THE FOLLOWING ADDRESSES IF DIFFERENT FROM ABOVE:

1. **BID AWARD NOTICE ADDRESS** _____

2. **PURCHASE ORDER ADDRESS** _____

3. **REMITTANCE ADDRESS (and name if different than above)** _____

