AISHA JOHNSON, SENIOR BUYER  
CARMEN JONES, PURCHASING AGENT  

<table>
<thead>
<tr>
<th>TO:</th>
<th>Prospective Bidders</th>
</tr>
</thead>
<tbody>
<tr>
<td>INVITATION TO BID NUMBER:</td>
<td>Bid #18-16 (A complete copy can be downloaded at <a href="http://www.birminghamal.gov">www.birminghamal.gov</a>)</td>
</tr>
<tr>
<td>SEPARATE SEALED BIDS FOR:</td>
<td>EXTRICATION &amp; LIGHTING EQUIPMENT</td>
</tr>
</tbody>
</table>
| INVITATION TO BID RESPONSES WILL BE RECEIVED BY: | Aisha Johnson, Senior Buyer  
Purchasing Division  
710 North 20th Street, P-100 City Hall  
Birmingham, AL 35203-2227 |

***IMPORTANT SOLICITATION DATES***

| BID DUE DATE: | October 25, 2017 by 5:00 PM (Mailed)  
(Central Standard Time) |
| BID OPENING DATE: | October 26, 2017 at 11:00 AM  
(Central Standard Time) |

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 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.

BID OPENING WILL BE HELD AT:  
Purchasing Division  
710 North 20th Street  
P-100 City Hall  
Birmingham, AL 35203-2227

TELEPHONE INQUIRIES – NOT ACCEPTED
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Submissions may be withdrawn, modified, and resubmitted prior to the formal bid opening due date.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 Opening 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.

RELEASED BY:

[Signature]

aj  
B.N. 10/13/17
INVITATION TO BID

Sealed bids marked “Extrication & Lighting Equipment” will be received by the Purchasing Agent, P-100 First Floor of City Hall, 710 North 19th Street, Birmingham, Alabama 35203.

Bids will be accepted until 5:00 P.M. central time (standard or daylight savings time, as applicable) on WEDNESDAY, OCTOBER 25, 2017. Bids submitted after these dates and times will not be considered.

Bids will be publicly opened at 11:00 a.m. on THURSDAY, OCTOBER 26, 2017.

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. The contract will be good for one (1) year guaranteed with the option to renew for a period of up to two (2) additional one (1) year terms not to exceed three (3) years.

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 “Extrication & Lighting Equipment, 11:00 AM, 10/26/2017.” 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.

aj
B.N. 10/13/17

Carmen Jones, Purchasing Agent
GENERAL
The City of Birmingham is seeking bids for Fire and Rescue Service Rescue Equipment items as specified later in this document. The quantities shown on the bid form are estimated 5 to 10 year preplacement, and are for evaluation purposes 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. The City shall be allowed to order at any time, in any quantity during the life of this contract. The City intends to award by group to the lowest responsive, responsible bidder.

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

TERM OF CONTRACT
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. 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.

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 line(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.

CERTIFIED CHECK/BID BOND/CASHIER’S CHECK
Each bidder is to extend prices and provide a total for the bid being submitted. In order for any bid award to be considered that exceeds $10,000.00 your bid must have been accompanied by an acceptable bid bond, certified check or cashier’s 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.

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.

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.
EXTRICATION & LIGHTING EQUIPMENT
INVITATION TO BID (CONT’D)

PRICES
Include transportation (including fuel surcharge, if applicable).

QUANTITIES
The quantities shown on the bid form are estimated initial purchase 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.

ADDITIONAL PURCHASES
The City has attempted to list all items for EXTRICATION & LIGHTING EQUIPMENT 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, national origin, or sex 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.

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-Hammom 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.

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-1 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.
BIDDER COMPLIANCE FORMAT

Bidders shall check (✓) each and every paragraph in the appropriate column provided on the right hand edge of the page as to compliance or non-compliance with specifications. Exceptions will be allowed to items that are not listed as “No Exception” if they are equal to or superior to that specified and provided they are listed and fully explained on the exceptions page. The purchaser shall be the sole judge of equality and the decision of the City of Birmingham shall be final. Bids taking total exception to the specifications will not be accepted.

GROUP 1

<table>
<thead>
<tr>
<th>BIRMINGHAM FIRE AND RESCUE SERVICE DEPARTMENT</th>
<th>Bidder Complies</th>
</tr>
</thead>
<tbody>
<tr>
<td>RESCUE TOOL SPECIFICATIONS</td>
<td>Yes</td>
</tr>
<tr>
<td>As a safety precaution, the complete rescue tool system shall utilize mineral based oil (systems utilizing phosphate ester hydraulic oil will not be considered). The following hydraulic rescue tool system shall operate with a minimum 10,000 psi and a maximum 10,500 psi (724 bar).</td>
<td></td>
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<tr>
<td>Bid price shall include full training for individuals in the proper use and care of hydraulic rescue tools. Training shall be performed at a time and location convenient for the purchaser.</td>
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<td>The manufacturer of the rescue tools is ISO 9001: 2008 Registered.</td>
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<tr>
<td>The tools must be labeled by the actual manufacturer of the rescue tools with the actual manufacturer’s information and not relabeled by a secondary organization.</td>
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**28” SPREADER**

The Spreader shall have a minimum opening of 28” at the tips.

Aluminum used in the construction of the Spreader body shall have an anodized finish. Spreader arms shall be aluminum. Painted or polished aluminum will not be acceptable for any part of tool.

Spreader shall have a minimum spread force of 56,128 lbs. and a minimum pulling force of 25,512 lbs.

Spreader shall have a maximum deployment weight of 44 lbs.

Spreader shall have automotive/grabber-jaw tips that will perform all spreading and crushing techniques commonly used in extrication without the need to change tips. Tips shall be constructed of hardened tool steel, and shall not be field removable. **(NO EXCEPTIONS).** Each spreader arm shall have a hole for attaching pulling attachments.

Spreader control shall be a twist/star type handle for easy operation in any position. A D-Ring handle with a powder-coated finish (chrome D-Ring handle will not be acceptable) shall be positioned to provide balance for the tool and shall be accessible regardless of the tool position. The control valve shall be a variable speed dead-man control for safety. The Spreader shall be a one-man operated tool.
## BIRMINGHAM FIRE AND RESCUE SERVICE DEPARTMENT
### RESCUE TOOL SPECIFICATIONS

| Spreader shall incorporate a dual safety check valve for no load drop and an Automatic Safety Relief Device to prevent over pressurization. *(Male bleeder coupler will not be acceptable as a Safety Relief Device)* |
| Spreader shall have pigtails with quick-connect spring loaded couplers. Pigtails shall exit at the bottom of the tool toward the rear of the tool. The single Coaxial Quick-connect couplers shall be provided to facilitate the quick and easy connect and disconnect of the tool while under pressure (Hot Swapping). All quick couplers shall be equipped with metal dust covers to protect couplers from contamination. |
| Spreader shall be manufactured and assembled wholly within the United States of America. **Spreader must carry a Forever warranty on materials and workmanship.** Any parts not manufactured by the rescue tool manufacturer (e.g., hose, couplers, etc.) shall carry a minimum three-year warranty. |
| Bidder Complies |
| Yes | No |

### 7½" AUTO EXTRICATION CUTTER

| The cutter shall have a minimum blade opening seven *(7½"/19.5mm)*. |
| Aluminum used in the construction of the Cutter shall have an anodized finish. Painted aluminum will not be acceptable. |
| Cutter shall have a minimum 269,000 lbs. cutting force in recess. |
| Cutter shall have a maximum deployment weight of 40 lbs. |
| Cutter shall have high strength tool steel heat-treated blades. Blades shall have a hook design and shall be re-grindable. *(Straight blade cutters will not be acceptable)*. Cutter blades shall be a minimum ¾” thick (each blade). *(Forged or cast blades will be unacceptable)* |
| Cutter shall incorporate an Automatic Safety Relief Device to prevent over pressurization. *(Male bleeder coupler will not be acceptable as a Safety Release Device)* |
| Cutter shall have pigtails with quick-connect spring loaded couplers. Pigtails shall exit at the bottom of the tool toward the rear of the tool. The single Coaxial Quick-connect couplers shall be provided to facilitate the quick and easy connect and disconnect of the tool while under pressure (Hot Swapping). All quick couplers shall be equipped with metal dust covers to protect couplers from contamination. |
| Cutter shall be manufactured and assembled wholly within the United States of America. **Cutter must carry a Forever warranty on materials and workmanship.** Any parts not manufactured by the rescue tool manufacturer (e.g., hose, couplers, etc.) shall carry a minimum three-year warranty. |
| BIRMINGHAM FIRE AND RESCUE SERVICE DEPARTMENT  |
| RESCUE TOOL SPECIFICATIONS                   |

**40” Telescoping LONG RAM**

<table>
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<tr>
<th>Bidder Complies</th>
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<tbody>
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<td>Yes</td>
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- The Ram shall have a minimum extended length of thirty inches (40.00”) and a minimum 14.00” stroke.
- Ram shall have a minimum first stage 32,980 lbs. pushing force and minimum second stage 12,883 lbs. pushing force.
- Ram shall have a maximum deployment weight of 27 lbs.
- Ram shall have penetrating teeth on both Ram tip and base for increased safety during displacement of various structures.
- Ram control shall be a twist/star type handle for easy operation. Control handle shall run parallel with Ram cylinder creating a sleek, compact and easy to use tool. The control valve shall be a variable speed dead-man control for safety. The Ram shall be a one-man operated tool. (Ram shall not have a rotating control handle)
- Ram shall incorporate an Automatic Safety Relief Device to prevent over pressurization. *(Male bleeder coupler will not be acceptable as a Safety Release Device)*
- Ram tips shall be constructed from tool steel grade metal. (Cast or forged will not be acceptable)
- Ram shall have pigtail hoses with quick-connect spring loaded single couplers. Pigtails shall exit at the bottom of the control handle toward the rear of the tool. The Coaxial Single Quick-connect couplers shall be provided to facilitate the quick and easy connect and disconnect of the tool while under pressure (hot swapping). All quick-couplers shall be equipped with metal dust covers to protect couplers from contamination.
- Ram shall be manufactured and assembled wholly within the United States of America. **Ram must carry a Forever warranty on materials and workmanship.** Any parts not manufactured by the rescue tool manufacturer (e.g., hose, couplers, etc.) shall carry a minimum three (3) year warranty.

**GASOLINE SIMO POWER UNIT**

- Hydraulic fluid shall be mineral base. Power unit shall operate two (2) hydraulic rescue tools simultaneously (simo*) with no power loss to either tool. Power unit shall operate with a minimum 10,000 psi and a maximum 10,500 psi. Power unit shall have a minimum hydraulic oil reservoir of .675 U.S. Gallons.
- **Power unit shall have two (2) hydrostatic two stage radial piston over piston hydraulic pumps that share one reservoir.** Each hydraulic pump shall have a control lever to engage or disengage the hydraulics. Power unit shall have an internal safety relief valve to prevent over pressurization of unit. *(Split flow simo* pumps will not be accepted)*
**BIRMINGHAM FIRE AND RESCUE SERVICE DEPARTMENT**

**RESCUE TOOL SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Power unit shall have two (2) first stage settings at 3,200 psi each and two (2) second stage settings at 10,500 psi each.</th>
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</thead>
<tbody>
<tr>
<td>Power Unit shall have two quick-connect spring loaded single couplers. The Coaxial Single Quick-connect couplers shall be provided to facilitate the quick and easy connect and disconnect of the tool. All quick-couplers shall be equipped with metal dust covers to protect couplers from contamination. There shall be two (2) female Coaxial Couplers on the unit.</td>
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<tr>
<td>Because of limited space, power unit size shall be a maximum of 19.00” long x 20.9” tall x 12.00” wide and shall have a maximum deployment weight of 51.8 lbs. Each manufacturer shall include with bid, the sizes of their power unit. Power units that incorporate a roll-cage design will not be acceptable unless they conform to the maximum size requirements.</td>
</tr>
<tr>
<td>Power unit shall be equipped with a flip-down handle for compact storage and easy lifting. All aluminum used in the construction of power unit shall be anodized. Power unit shall be equipped with rubber anti-vibration feet that will protect bottom of unit from harm while in use or in storage.</td>
</tr>
<tr>
<td>Power unit shall be driven with a minimum three (3) hp gasoline engine. Engine shall be a horizontal shaft Honda four stroke, O. H. valve; one cylinder with a minimum 196cc. Honda engine shall have an approximate run time of two hours. Honda engine shall have a minimum three (3) year warranty.</td>
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<tr>
<td>Pump shall be manufactured and assembled wholly within the United States of America. <strong>Pump must carry a Forever warranty on materials and workmanship.</strong> Any parts not manufactured by the rescue tool manufacturer (e.g., Honda engine, hose, couplers, etc.) shall carry a minimum three (3) year warranty.</td>
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<tr>
<td>The pumps first stage flow setting for both pumps shall be at least 110 cu/min at 3,200 psi. The second stage flow setting shall be at least 55 cu/min at 10,500 psi. <strong>(NO EXCEPTIONS!)</strong></td>
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**HOSE**

The rescue tool system shall be equipped with two (2) twin line extension hoses. Hoses shall have quick-connect Spring loaded Single couplers and shall be a minimum of 30’ feet long. Each quick-coupler shall be equipped with metal dust covers to protect couplers from contamination. Hoses shall be color coded for ease of identification. The Twin-line hoses are manufactured with high pressure hoses with 10,000 psi working pressure. The twin line hose construction shall provide kink resistance for hydraulic systems. Hoses shall successfully pass testing by a third party as required by NFPA 1936 Standard on Powered Rescue Tools, 2015 Edition. This hose shall carry a UL Tested label on the hose.
## BIRMINGHAM FIRE AND RESCUE SERVICE DEPARTMENT
### RESCUE TOOL SPECIFICATIONS

<table>
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<td>Yes</td>
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### WARRANTY INFORMATION

Bidder shall state any and all warranties covering the product being offered.

**Bidder shall include a copy of the rescue tools Forever Warranty.** This Forever Warranty shall apply to “accidental” damage. A copy of the Forever Warranty shall be included with Bid. The Hydraulic Rescue Tool must have a Forever Warranty. (NO EXCEPTIONS!)

Bidder shall provide a “loaner tool” during the servicing of the tool and any warranty work.

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## GROUP 2

### BIRMINGHAM FIRE AND RESCUE SERVICE DEPARTMENT
### FORCE ENTRY EQUIPMENT

<table>
<thead>
<tr>
<th>HURST STRONGARM™ E100 ELECTRO-HYDRAULIC TOOL or EQUIVALENT.</th>
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<td>Yes</td>
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</table>

The tool is a hydraulically activated piston with two (2) equal, opposite blade arms that are symmetrically opened by mechanical joints, thereby spreading, squeezing or cutting objects.

Electro-hydraulic devices do not need to be connected to an external hydraulic source, generation of the required hydraulic pressure takes place within the body of the device by either a quick exchange lithium-ion battery or an external power supply.

The cylinder of the tool shall be made of anti-corrosive light aluminum alloy for its lightweight, strength and long life. The body of the tool shall have a high impact, non-metallic housing. The housing shall have ventilation holes on both sides of the unit for cooling the motor.

The NFPA HSF test point shall produce 6,744 lbf (30 kN), and the LSF test point shall produce 5,395 lbf (24 kN).

The tool shall produce a spreading distance up to 8.5 in (215 mm) measured at the blade tips with spreader tips.

The tool shall be able to utilize two different style of tips that can be exchanged quickly by the use of 1 in. diameter quick release buttons. One set of tips are patented multifunctional tips that can be used for spreading, peeling, and squeezing without the need to be changed. These tips should be 1.772 in. wide measured at the base of the tip. The second set of tips shall be manufactured from cast high-strength steel. These tips must have three (3) “teeth” on one tip and two (2) “teeth” on the second tip. These “teeth” should be 0.975 in. each and form an interlocking “Jaw” the can be used to force items open as well as lift. Both tip types shall be made of an investment cast high-strength tool steel.

The tool has been NFPA tested to cut 0.87 in (22.2 mm) diameter round stock steel material.
<table>
<thead>
<tr>
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<th>Bidder Complies</th>
</tr>
</thead>
<tbody>
<tr>
<td>The maximum cutter opening shall be 8.15 in (215 mm) and shall include a notch to focus maximum cutting force.</td>
<td>No</td>
</tr>
<tr>
<td>The blades of the tool shall be of a straight serrated edge design for maximum cutting performance.</td>
<td>No</td>
</tr>
<tr>
<td>The control mechanism shall feature a star-grip control actuator for ease of operation by allowing 360° operation in any position. The tool must provide a non-interflow shear seal “dead man” actuator, whereby the unit stops functioning when thumb pressure is released. The star grip automatically returns to the central/neutral position, guaranteeing full load-holding.</td>
<td>No</td>
</tr>
<tr>
<td>The tool shall have a 360° rotating handle that offers four (4) locking positions.</td>
<td>No</td>
</tr>
<tr>
<td>The tool shall have a built in Pica tinny accessory rail for the addition of optional accessories.</td>
<td>No</td>
</tr>
<tr>
<td>The tool shall feature an on/off button that is lighted as well as stays recessed when the tool is in the on position.</td>
<td>No</td>
</tr>
<tr>
<td>The tool shall be protected by a pressure relief valve that prevents it from being over pressurized.</td>
<td>No</td>
</tr>
<tr>
<td>Noise emissions at nominal voltage measured at idle mode generates 66 dBA, max load generates 70 dBA.</td>
<td>No</td>
</tr>
<tr>
<td>Minimum current consumption is 10 amps at idle mode and 43 amps at maximum load. The nominal electrical voltage (with lithium/ion battery) is 25.2V.</td>
<td>No</td>
</tr>
<tr>
<td>The tool shall operate normally at an ambient temperature range of -4°F (-20°C) up to +131°F (+55°C).</td>
<td>No</td>
</tr>
<tr>
<td>The tool, including battery, shall complete three (3) successful rounds of NFPA 1936, 2015 edition cut tests of A5/B3/C5/D6/E6 immediately after an exposure to 250°F for nine (9) minutes.</td>
<td>No</td>
</tr>
<tr>
<td>The tool, including battery, shall complete at least five (5) full open/close cycles to full pressure a minimum of 30 minutes after being exposed to an ambient temperature of 300° for seven (7) minutes.</td>
<td>No</td>
</tr>
<tr>
<td>The tool dimensions without the battery shall not be any longer than 31.3 in (796 mm), wider than 7.7 in (195 mm) or higher than 8.3 in (210 mm) with spreader tips.</td>
<td>No</td>
</tr>
<tr>
<td>The tool must be certified as compliant with NFPA 1936, 2015 Edition and shall be labeled as such bearing the mark of the testing agency.</td>
<td>No</td>
</tr>
<tr>
<td>Cutting classification should be no less than A5/B3/C5/D6/E6 as defined in NFPA 1936, 2015 and certified by a third party testing agency.</td>
<td>No</td>
</tr>
<tr>
<td>The tool will not weigh more than 24.3 lbs. (11 kg) with combi tips, excluding the power supply.</td>
<td>No</td>
</tr>
</tbody>
</table>
### BIRMINGHAM FIRE AND RESCUE SERVICE DEPARTMENT
#### RESCUE CHAIN SAW

<table>
<thead>
<tr>
<th>Feature</th>
<th>Value</th>
<th>Bidder Complies</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>STIHL CDC-MS-461-RES-20 or Equivalent</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>GUIDE BAR LENGTH:</strong></td>
<td>20”</td>
<td></td>
</tr>
<tr>
<td><strong>DEPTH LIMITER:</strong></td>
<td>20” DEPTH LIMITER KIT</td>
<td></td>
</tr>
<tr>
<td><strong>OVERALL DIMENSION:</strong></td>
<td>105.4cm/30.0cm/32.0cm (41.5”/11.8”/12.6”)</td>
<td></td>
</tr>
<tr>
<td><strong>POWERHEAD WEIGHT:</strong></td>
<td>7.0 kg (15.4 lbs.)</td>
<td></td>
</tr>
<tr>
<td><strong>ENGINE POWER:</strong></td>
<td>4.5 kW (6.0 bhp)</td>
<td></td>
</tr>
<tr>
<td><strong>ENGINE DISPLACEMENT:</strong></td>
<td>76.5 cc (4.7 cu. in.)</td>
<td></td>
</tr>
<tr>
<td><strong>FUEL TANK CAPACITY:</strong></td>
<td>800 cc (27.1 oz.)</td>
<td></td>
</tr>
<tr>
<td><strong>CHAIN OIL CAPACITY:</strong></td>
<td>325 cc (11.0 oz.)</td>
<td></td>
</tr>
<tr>
<td><strong>OVERALL VOLUME:</strong></td>
<td>101.2 L (3.57 cu. ft.)</td>
<td></td>
</tr>
<tr>
<td><strong>CARBIDE SAW CHAIN:</strong></td>
<td>3/8” 20” CRABIDE SAW CHAIN</td>
<td></td>
</tr>
<tr>
<td><strong>FUEL TYPE:</strong></td>
<td>Gas</td>
<td></td>
</tr>
</tbody>
</table>

### BIRMINGHAM FIRE AND RESCUE SERVICE DEPARTMENT
#### RESCUE CUT OFF SAW

<table>
<thead>
<tr>
<th>Feature</th>
<th>Value</th>
<th>Bidder Complies</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>STIHL CDC-TS-420-14 or Equivalent</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>WEIGHT:</strong></td>
<td>9.6 kg (21.2 lbs.)</td>
<td></td>
</tr>
<tr>
<td><strong>ENGINE POWER:</strong></td>
<td>3.2 kW (4.4 bhp)</td>
<td></td>
</tr>
<tr>
<td><strong>ENGINE DISPLACEMENT:</strong></td>
<td>76.5 cc (4.7 cu. in.)</td>
<td></td>
</tr>
<tr>
<td><strong>FUEL TANK CAPACITY:</strong></td>
<td>710 cc (24 oz.)</td>
<td></td>
</tr>
<tr>
<td><strong>ENGINE SPEED:</strong></td>
<td>9,000 rpm (Elec. Gov.)</td>
<td></td>
</tr>
<tr>
<td><strong>MAX SPINDLE SPEED:</strong></td>
<td>5,350 rpm</td>
<td></td>
</tr>
<tr>
<td><strong>ARBOR SIZE:</strong></td>
<td>20 mm</td>
<td></td>
</tr>
<tr>
<td><strong>MAX WHEEL SIZE:</strong></td>
<td>350 mm (14”)</td>
<td></td>
</tr>
<tr>
<td><strong>MAX CUTTING DEPTH:</strong></td>
<td>125 mm (4.9”)</td>
<td></td>
</tr>
<tr>
<td><strong>FUEL TYPE:</strong></td>
<td>Gas</td>
<td></td>
</tr>
<tr>
<td>BIRMINGHAM FIRE AND RESCUE SERVICE DEPARTMENT</td>
<td>Bidder Complies</td>
<td></td>
</tr>
<tr>
<td>---</td>
<td>---</td>
<td></td>
</tr>
<tr>
<td>FLASHLIGHTS LED</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**STREAMLIGHT FIRE VULCAN LED or Equivalent**

**Vehicle Mount System:** Includes 12V DC vehicle mountable direct-wire charger and the Quick-Release shoulder strap

**Applications:** Fire & Rescue industrial safety, utilities, emergency medical service

**Case Materials:** High impact ABS thermoplastic housing in high visibility orange with rubberized cushioned grip handle

**Dimensions:** Length: 7.5 in. (19.05cm) Width: 5 in. (12.7cm) Height: 6.5 in. (16.51cm)

**Weight:** 1.85 lbs. (839 grams) with battery

**Lens:** Unbreakable polycarbonate with scratch resistant coating, O-ring sealed.

**Light Source:** C4 LED, impervious to shock with a 50,000 hour lifetime
High: 80,000 candela peak beam intensity and 145 lumens measured system output.
Low: 40,000 candela peak beam intensity and 70 lumens measured system output
Deep dish parabolic reflector produces a tight beam with optimum peripheral illumination to aid in navigation. Optimized electronics provide regulated intensity.

**ON/OFF:**
Push and hold momentary toggle switch to access eight (8) modes of operation

<table>
<thead>
<tr>
<th>Optional programmable 2, 3 or 4</th>
<th>Optional programmable 2, 3 or 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-steady high LED/steady tail lights</td>
<td>1-steady high LED/BLINKING tail lights</td>
</tr>
<tr>
<td>2-steady low LED/steady tail lights</td>
<td>2-steady low LED/BLINKING tail lights</td>
</tr>
<tr>
<td>3-steady high LED/NO tail lights</td>
<td>3-BLINKING high LED/NO tail lights</td>
</tr>
<tr>
<td>4-No LED/steady tail lights</td>
<td>4-No LED/BLINKING tail lights</td>
</tr>
</tbody>
</table>

**Run Time:**
- Steady high LED & tail lights: up to three (3) hours of runtime to the 10% output level.
- Steady low LED & tail lights: up to seven (7) hours of runtime to the 10% output level.
- Steady high LED only: up to three and one-half (3.5) hours of runtime to the 10% output level.
- Blinking high LED only: up to five (5) hours of runtime to the 10% output level.
- Blinking tail lights only: up to twenty (20) hours of runtime.
**BIRMINGHAM FIRE AND RESCUE SERVICE DEPARTMENT**  
**FLASHLIGHTS LED**

| Batteries: | Two (2) lightweight Lithium-Ion nanotechnology cells. Recharges in five (5) hours. |
|------------------------------------------------|
| **Warranty:** | Limited lifetime warranty. |
| **Approvals:** | Rack meets requirements of NFPA 1901-14.1.11.2 (2003); mounted in any position, FM Approved, Class I Div. 2 Groups A, B, C, D Temperature T4A; Class II Div. 2 Groups F, G, Class III, Temperature T-54°C |

<table>
<thead>
<tr>
<th>Bidder Complies</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>No</td>
</tr>
</tbody>
</table>

**BIRMINGHAM FIRE AND RESCUE SERVICE DEPARTMENT**  
**AREA LIGHTING**

<table>
<thead>
<tr>
<th>Pelican 9430 Remote Area Lighting System or Equivalent</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Features:</strong></td>
</tr>
<tr>
<td><strong>Performance:</strong></td>
</tr>
<tr>
<td><strong>Specifications:</strong></td>
</tr>
<tr>
<td><strong>Approvals:</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Bidder Complies</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>No</td>
</tr>
</tbody>
</table>
In order for any bid award to be considered that exceeds $10,000.00 your bid must be accompanied by an acceptable bid bond, certified check or cashier’s check in the amount of $500.00. **BIDS SUBMITTED WITHOUT ONE WILL NOT BE ACCEPTED.**

Submitted below is my firm bid for the supply of crowd control helmets for a period of one (1) year in accordance with your invitation to bid and specifications dated October 6, 2017. Prices are F.O.B. Birmingham, Alabama delivered and are in exact accordance with specifications except as listed below.

<table>
<thead>
<tr>
<th>#</th>
<th>Approx. Qty.</th>
<th>Description</th>
<th>Make/Model</th>
<th>Unit Price</th>
<th>Extended Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td><strong>GROUP 1</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td></td>
<td>Rescue Tool System, ISO 9001:2008 Registered or equal as per specification</td>
<td>$</td>
<td>$</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td></td>
<td>28” Spreader or equal as per specification</td>
<td>$</td>
<td>$</td>
<td></td>
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<tr>
<td>3</td>
<td></td>
<td>7 ¼” Auto Extrication Cutter or equal as per specification</td>
<td>$</td>
<td>$</td>
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<tr>
<td>4</td>
<td></td>
<td>40” Telescoping Long Ram or equal as per specification</td>
<td>$</td>
<td>$</td>
<td></td>
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<tr>
<td>5</td>
<td></td>
<td>Gasoline SIMO Power Unit or equal as per specification</td>
<td>$</td>
<td>$</td>
<td></td>
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<tr>
<td>6</td>
<td></td>
<td>Hose or equal as per specification</td>
<td>$</td>
<td>$</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td></td>
<td>Warranty as per specification</td>
<td>$</td>
<td>$</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td><strong>GROUP 2</strong></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>8</td>
<td></td>
<td>Hurst Strongarm E100 Electro-Hydraulic Tool, Force Entry or equivalent as per specification</td>
<td>$</td>
<td>$</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td><strong>GROUP 3</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9</td>
<td></td>
<td>Rescue Chain Saw, Stihl CDC-MS-461-RES-20 or equal as per specification</td>
<td>$</td>
<td>$</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td></td>
<td>Rescue Cut Off Saw, Stihl CDC-TS-420-14 or equal as per specification</td>
<td>$</td>
<td>$</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>GROUP 4</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11</td>
<td></td>
<td>Streamlight Fire Vulcan Flashlight LED or equal as per specification</td>
<td>$</td>
<td>$</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td></td>
<td>Warranty as per specification</td>
<td>$</td>
<td>$</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td></td>
<td>Pelican 9430 Remote Area Lighting System or equal as per specification</td>
<td>$</td>
<td>$</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>GRAND TOTAL</strong></td>
<td></td>
<td>$</td>
<td></td>
</tr>
</tbody>
</table>
EXTRICATION & LIGHTING EQUIPMENT
BID FORM

REMINDER: It is required for any contract exceeding $10,000.00 that the bidder submits with his bid either 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.

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.

EXCEPTION TO SPECIFICATIONS: (use extra pages if necessary)

Bidder acknowledges receipt of __________ addenda(s).

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) ____________________________