



WILLIAM A. BELL, SR.
MAYOR

CITY OF BIRMINGHAM

FINANCE DEPARTMENT

PURCHASING DIVISION

P-100 CITY HALL
710 NORTH 20TH STREET
BIRMINGHAM, ALABAMA 35203-2227

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J. THOMAS BARNETT, JR.
FINANCE DIRECTOR

RON NICKEL
PURCHASING AGENT

WILLIAM E. CAFFEE
ASSISTANT PURCHASING AGENT

February 11, 2015

INVITATION TO BID #15-18

Sealed bids for trailer mounted fire apparatus/ems ambulance driving simulator for the City of Birmingham, will be received by the Purchasing Agent, Room P-100 First Floor City Hall, Birmingham, Alabama, until 2:00 p.m., March 11, 2015 at which time and place they will be publicly opened and read.

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, fax (205) 254-2484 and requesting a copy be mailed to you. Any addenda will be available on the internet. Bidder is responsible for checking the website for addenda until bid opening date. Addenda will be mailed to only those vendors who were provided a copy in person or by mail.

Bids are to be submitted on the bid form provided and all quotations are to be f.o.b. Birmingham, Alabama delivered.

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 the amount of \$1,000.00. 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. 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 or 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No bid may be withdrawn for a period of sixty (60) days after the date of the bid opening.

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, "**SEALED BID – TRAILER MOUNTED DRIVING SIMULATOR – 2:00 P.M., 03/11/15**". Bids may be hand delivered to Room P-100 First Floor City Hall, Birmingham, Alabama, or mailed to City of Birmingham, P. O. Box 11295, Birmingham, Alabama 35202-1295. (**DO NOT MAIL TO ROOM P-100 FIRST FLOOR CITY HALL**). However, bids sent by any express carrier (Federal Express, UPS, DHL, etc.) must be mailed to 710 North 20th Street, and specify delivery to P-100 First Floor City Hall.

It is the bidder's responsibility to make sure that his bid is in the possession of the Purchasing Agent on or before 2:00 p.m., March 11, 2015. Bids received after this time will not be considered.


W E Caffee, Assistant Purchasing Agent

a.m.
B.N. 02/18/15

**SPECIFICATIONS FOR TRAILER MOUNTED
FIRE APPARATUS/EMS AMBULANCE DRIVING SIMULATOR**

GENERAL:

The City of Birmingham plans to purchase the trailer mounted fire apparatus/ems ambulance driving simulator specified in the document in the quantity indicated. Award will be based on the lowest price, responsive, responsible bid submitted, optional items will only be a factor of consideration in determining the low bid if selected at time of award

The City reserves the right to make additional purchase of trailer mounted fire apparatus/ems ambulance driving simulator at the bid price at a later date if mutually agreeable to both parties.

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 Section 40-12-222). 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 additional two (2) copies of their original bid with their package.

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.

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 \$1,000.00. 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 record shall prevail. **The City will not consider any bids requiring C.O.D. payments.**

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 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.

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.

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.

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. Each bidder may submit a copy of his/her license along with his/her bid. However, bidder must provide a copy of his/her current business license no later than seven (7) working days of receipt of notice of intent to award. Failure to submit the requested information will result in the notice of intent to award being revoked.

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.

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.

Any questions concerning these specifications should be addressed to the Purchasing Division, Attn: Artelia Macon, Principal Buyer at (205) 254-2265 or Fax: (205) 254-2484, between the hours of 8:00 a.m. & 4:00 p.m. Monday thru Friday.

SPECIFICATIONS
APPROXIMATELY ONE (1) TRAILER MOUNTED
FIRE APPARATUS/EMS AMBULANCE DRIVING SIMULATOR
FOR
CITY OF BIRMINGHAM, ALABAMA

Vendor to supply two (2) hard copies and two (2) CD copies of the machine maintenance and parts manuals. On-site operator and maintenance training shall be provided at time of delivery.

A minimum of a two year total coverage warranty period will begin with the effective equipment in-service date, which may or may not be equal to the equipment delivery date, but will in no case be later than twelve months after equipment has been delivered. All standard equipment to be included. **Unit will not be accepted with any dealer emblems affixed to it.** Unit must be current new production model.

Equipment recall notices should be mailed directly to Bob Rainey, Director, Equipment Management, 515 6th Avenue South, Birmingham, AL 35205.

All participating 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.

Questions should be addressed to Mr. Bob Rainey, Director, Equipment Management, c/o Mr. Ron Nickel, Purchasing Agent, Purchasing Division, 710 North 20th Street, Room P-100 First Floor, Birmingham, AL, 35203.

GENERAL: This specification is offered as a guideline to represent the minimum acceptable unit to the City. Where a unit exceeds the minimum specification, please note and also offer a short statement of how this excess above minimum will benefit the City operations. This statement may or may not be used in any evaluation or award decision.

The unit bid shall be the manufacturer's latest current production model, field-proven and must have been available to the trade for not less than two (2) prior years. The successful vendor per the factory specifications must provide those items or features, which are listed as factory standard equipment in the factory's basic specifications and are not mentioned in these specifications. USED, SHOPWORN, DEMONSTRATOR, REMANUFACTURED, RECONDITIONED, OR DISCONTINUED MODELS ARE NOT ACCEPTABLE. The respondent is cautioned that any unit delivered to the FOB points that does not meet specifications in every aspect will not be accepted as awarded.

**APPROXIMATELY ONE (1) TRAILER MOUNTED
 FIRE APPARATUS/EMS AMBULANCE DRIVING SIMULATOR
 PAGE TWO OF SEVEN**

The unit shall be completely assembled and adjusted, and all equipment including standard and supplemental equipment shall be installed and the unit made ready for continuous operation upon delivery.

It is the intent of the following specification to describe one fire apparatus driving simulator and one ambulance driving simulator both with instructor work stations. Both simulators shall be installed in an enclosed trailer.

The City of Birmingham recognizes that different manufacturers will have their own design of equipment and engineering details, which might deviate from the City's specifications. The City will consider such deviations, if any, provided the equipment bid conforms to the City's basic specifications and meets the functional, performance, and operational needs of the City. The vendor should however spell out clearly all such deviations on the bid and provide supportive literature and specifications. Failure to comply could result in bid rejection.

		BIDDER COMPLIANCE	
		YES	NO
MANUALS:	Vendor to supply two (2) hard copies and two (2) CD copies of the machine maintenance and parts manuals.	___	___
ENCLOSED TRAILER			
HITCH:	2 5/16" Coupler	___	___
	The length of the trailer shall be a maximum of 32 feet	___	___
FRAME:	Full perimeter aluminum frame with all tube construction	___	___
	The trailer shall have 16" O/C wall support, 1" x 3" and roof and floor cross members.	___	___
	The trailer will at a minimum a 5000 lb. zinc top wind jack	___	___
	7 way trailer plug	___	___
	(2) 7000 lb. Dexter Axles spread axle design with fenderettes, EZ Lube and brake capable of supporting the trailer with all accessories requested in this specification. Include proof with bid.	___	___
	SST235/85R16/LRG scrub resistant radial tires on grey mod wheel with one spare tire.	___	___

**APPROXIMATELY ONE (1) TRAILER MOUNTED
 FIRE APPARATUS/EMS AMBULANCE DRIVING SIMULATOR
 PAGE THREE OF SEVEN**

**BIDDER
 COMPLIANCE
 YES NO**

INTERIOR

- Advantech 3/4" flooring ____
- The walls shall be made of 3/8" plywood covered with carpeting ____
- Walls on the interior of the trailer shall be finished with carpet or similar finish material. ____
- The ceiling shall be white vinyl . ____
- The trailer shall have smooth aluminum radius wheel boxes. ____
- The trailer shall be equipped with a minimum of (10) 18" rectangular L.E.D. 12V lights recessed with trim ring ____

EXTERIOR

- The trailer shall have 3" upper and lower rub rail trim ____
- The trailer shall be equipped with a minimum of 1 roof vent ____
- All clearance and brake lights shall be LED ____
- The trailer skin shall be made of .03" aluminum ____
- The roof shall be one piece aluminum ____
- The trailer shall be equipped with double rear cargo doors with 405 series entry with flush lock latch ____
- The exterior shall be screwless with rivets on seams and trim ____
- The trailer shall be equipped with a 24" ATP Stoneguard with J-Rail ____
- The trailer shall have a graphics wrap applied; graphic sample enclosed with specification. ____

FIRE APPARATUS DRIVING SIMULATORS

The Fire Driving Simulator shall have an ergonomically correct OEM Spartan Metro Cab driving station with full interior vehicle cab renderings including mirrors, A and B pillars, sight lines throughout the geo-world that are geometrically correct from the driver's viewpoint and fully functional emergency equipment console.

The simulator must provide a minimum of 220 degree panoramic field of view or better

The simulator shall use a 5 screen array of 46" ultra-thin bezel LCD monitors; bezels are a maximum of 5.5 millimeters wide

The mirror size and position must change automatically to correctly represent the vehicle being simulated

The simulator must use multiplexed Can Bus technology to drive the component systems

The simulator shall provide a force feedback steering system that provides a realistic feel operation while driving

The simulators true field of view shall not contain any graphic slewing or any type of distortion

The simulator will have a low frequency transducer under the driver's seat that provides tactile input of the terrain via speed, RPM and road surface; this must also stay in sync with road noise

The simulator shall be built on an aluminum frame.

The simulator and Instructor Operator Station, (IOS), must have the ability to create a data file report for each scenario or drive by a student that can be saved to a hard drive

The IOS shall include monitor, keyboard and mouse

The simulator shall provide at least 4 camera views for the instructor.

The simulator and IOS must operate off of one computer

**BIDDER
COMPLIANCE
YES NO**

AMBULANCE DRIVING SIMULATORS

The Ambulance Driving Simulator shall have an ergonomically correct OEM Ford F Series Super Duty Cab driving station with full interior vehicle cab renderings including mirrors, A and B pillars, sight lines throughout the geo-world that are geometrically correct from the driver's viewpoint, and fully functional emergency equipment console.

___ ___

The simulator must provide a minimum of 220 degree panoramic field of view or better

___ ___

The simulator shall use a 5 screen array of 46" ultra-thin Bezel LCD monitors; bezels are a maximum of 5.5 millimeters wide

___ ___

The mirror size and position must change automatically to correctly represent the vehicle being simulated

___ ___

The simulator must use multiplexed Can Bus technology to drive the component systems

___ ___

The simulator shall provide a force feedback steering system that provides a realistic operating feel while driving

___ ___

The simulators true field of view shall not contain any graphic slewing or any type of distortion

___ ___

The simulator will have a low frequency transducer under the driver's seat that provides tactile input of the terrain via speed, RPM and road surface; this must also stay in sync with road noise

___ ___

The simulator shall be built on an aluminum frame.

___ ___

The simulator and Instructor Operator Station, (IOS), must have the ability to create a data file report for each scenario or drive by a student that can be saved to a hard drive

___ ___

The IOS shall include monitor, keyboard and mouse

___ ___

The simulator shall provide at least 4 camera views for the instructor.

___ ___

The simulator and IOS must operate off of one computer

___ ___

**BIDDER
COMPLIANCE
YES NO**

MISCELLANEOUS ITEMS

The trailer shall have a 1500W 120V wall mount heater.

___ ___

The trailer shall be equipped with a Fijitsu 18,000 BTU HVAC System split A/C system with heat pump

___ ___

50 Gallon in frame fuel tank.

___ ___

The trailer shall be equipped an Onan 10 KW generator with remote start that is capable of powering all the trailer to include the simulators and heating and cooling.

___ ___

TRAINING

Two (2) days on-site training to be provided at time of delivery. Training will be held at a location with in the City limits of Birmingham to be determined by the Department of Equipment Management and the Birmingham Fire and Rescue Service in coordination with successful bidder.

___ ___

WARRANTY

Include copies of all warranties for simulator and trailer include the term of the warranty (start/end dates).

___ ___

All items will have the better of a two year or the manufacturer's warranty.

___ ___

GRAPHICS/WRAP

The trailer will have high quality graphic wrap; sample provided in the specifications, artwork will be provided to the successful vendor.

___ ___

SAFETY

At the time of delivery to The City of Birmingham this unit must meet or exceed all Federal, State, local health, safety, DOT and EPA (Environmental Protection Agency) regulations for this type of equipment.

___ ___

**APPROXIMATELY ONE (1) TRAILER MOUNTED
FIRE APPARATUS/EMS AMBULANCE DRIVING SIMULATOR
PAGE SEVEN OF SEVEN**

**BIDDER
COMPLIANCE
YES NO**

OPTIONAL ITEMS

Full Cab Motion	<input type="checkbox"/>	<input type="checkbox"/>
2 years extended warranty	<input type="checkbox"/>	<input type="checkbox"/>
Firecom Wireless Headset	<input type="checkbox"/>	<input type="checkbox"/>
One (1) additional day of on-site training	<input type="checkbox"/>	<input type="checkbox"/>
3 – Screen Instructor Screen	<input type="checkbox"/>	<input type="checkbox"/>

**FOB: Department of Equipment Management
515 6th Avenue South
Birmingham, AL 35205**

GRAPHIC WRAP



BID FORM

W. E. Caffee
 Assistant Purchasing Agent
 Birmingham, Alabama

Submitted below is my firm bid for trailer mounted fire apparatus/ems ambulance driving simulator for the City of Birmingham, in accordance with your invitation to bid and specifications dated February 11, 2015. Prices quoted are F.O.B. Birmingham, Alabama delivered and I am bidding in accordance with specification except as listed below.

Approx. Qty	Description	Make/Model	Unit Price	Extended Total
1	Trailer Mounted Fire Apparatus/EMS Ambulance Driving Simulator as per specification.		\$ _____	\$ _____
	Optional Item:			
	Full Cab Motion.		\$ _____	
	2 years extended warranty.		\$ _____	
	Firecom Wireless Headset		\$ _____	
	One (1) additional day of training		\$ _____	
	3 – Screen Instructor Screen		\$ _____	

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.

EXCEPTIONS TO SPECIFICATIONS:

 Date of Bid

 Company

 Street Address

 Post Office Box (Zip if different the street address)

 Tax ID Number

 City State Zip

 Name (Print or Type)

 Terms of Payment

 Signature

 Delivery Date

Title

Telephone Number

E-mail address

Fax Number

Bidder acknowledges receipt of _____ addenda to the bid.
(Number(s))