



WILLIAM A. BELL, SR.
MAYOR

CITY OF BIRMINGHAM

FINANCE DEPARTMENT

PURCHASING DIVISION

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

TELEPHONE (205) 254-2265
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J. THOMAS BARNETT, JR.
FINANCE DIRECTOR

RON NICKEL
PURCHASING AGENT

WILLIAM E. CAFFEE
ASSISTANT PURCHASING AGENT

June 10, 2016

INVITATION TO BID # 16-36

Sealed bids for high definition storm drain inspection camera for the City of Birmingham will be received by the Purchasing Agent, P-100 First Floor City Hall, Birmingham, Alabama until 2:00 p.m., July 11, 2016, 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 \$500.00. 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No bid may be withdrawn for a period of sixty (60) days after the date of the bid opening.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- INSPECTION CAMERA- 2:00 P.M., 07/11/16**". Bids may be hand delivered to 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 BIDS TO ROOM P-100 FIRST FLOOR CITY HALL)**. However, bids sent by express carrier (Federal Express, DHL, UPS, etc) must be mailed to 710 North 20th Street, Birmingham, AL 35203 and specify delivery to Room 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., July 11, 2016. Bids received after this time will not be considered.

A handwritten signature in cursive script, appearing to read "W E Caffee".

William E. Caffee, Assistant Purchasing Agent

SPECIFICATIONS FOR HIGH DEFINITION STORM DRAIN INSPECTION CAMERA

GENERAL:

The City of Birmingham is seeking bids for high definition storm drain inspection camera as specified in this document in the quantities indicated. Award will be based on the lowest price, responsive, responsible bid submitted.

The City reserves the right to make additional purchases of high definition storm drain inspection camera at the bid price at a later date if mutually agreeable to both the City and the successful bidder.

Items will be awarded on an individual line item basis. The award of any item specified will be made based on the base bid or alternate bid or any combination of the two. Pricing of optional features, if selected at the time of award, will be a factor in determining the successful low bidder.

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.

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.

The contract shall become effective from the date noted in the Notification of Award letter which will be mailed to the successful bidder.

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.**

Bids may be solicited for products included in this contract where immediate/emergency need exists, including large quantities. The decision of the Purchasing Agent as to what constitute 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 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.

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

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

Any bid that stipulates a reversal of freight charges if a minimum quantity or purchase order amount is not ordered, will be determined an non-responsive bid and will not be considered for award.

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.

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

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 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.

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.

Bidder (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.

Bidder 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" 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.

Bidder 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. **Bids taking total exception to the specifications will not be accepted.** The containers will be inspected prior delivery for compliance with specifications. Deviations will not be tolerated and will be cause for rejection of the equipment unless they were originally listed in the bidder's proposal and deemed acceptable.

SPECIFICATIONS
APPROXIMATELY FOUR (4)
HIGH DEFINITION STORM DRAIN INSPECTION CAMERAS
UNITED STATES ASSEMBLY
FOR
CITY OF BIRMINGHAM, ALABAMA

The better of the manufacturer warranty or a one year warranty period will begin with the effective equipment in-service date. Equipment recall notices should be mailed directly to Cedric Roberts, 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.

Only new (unused) current standard production models built for the U.S. market will be considered acceptable. Printed literature and specifications describing equipment as offered must be included with proposal. Any recent changes/updates and or features offered as standard or required for the intended use of the specified equipment will be supplied. All accessories required by these specifications shall be identical in quality and design to those normally supplied and installed for sale through regular commercial channels.

Questions should be addressed to Mr. Cedric Roberts, 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: The intent of this specification is to describe a complete self-contained High Definition Pole Camera used to effectively survey and record defects found in sanitary/storm sewer pipelines, manholes, catch basins, tanks or any other confined or hard to reach areas. Camera systems that require a vehicle, generator or shore/house power will be deemed unacceptable.

**APPROXIMATELY FOUR (4)
HIGH DEFINITION STORM DRAIN INSPECT CAMERAS
PAGE TWO OF FIVE**

**BIDDER
COMPLIANCE
YES NO**

CAMERA HEAD:	The camera must be capable of producing an HD color video image of at least 780P.	___ ___
	The image sensor shall be Color CMOS with expanded sensitivity to view down a minimum diameter of 6" pipe lines	___ ___
	The unit must have a minimum clear viewing range of up to 300'.	___ ___
	The camera construction shall be all solid state circuitry designed to withstand shocks and vibrations.	___ ___
	The camera shall have an optical zoom feature of at least 30:1 an a digital zoom of 12 times for a total of 360:1 magnification with a stabilization function no exceptions.	___ ___
	Camera shall have ability for auto and manual focus via single click of the focus control icon in the tablet control application.	___ ___
	System illumination shall be provided by a four LED (Light Emitting Diode) lighting element with reflectors with a light pattern that produces a tight 6" round bright halo of light that surrounds the camera (Haloptic Technology).	___ ___
	Camera and reflectors shall have parallel axes for exact targeting of pipeline features at far distances.	___ ___
	For safety – camera/lamp body shall be able to be touched without injury even after operating at full power for an hour.	___ ___
	The complete camera housing shall be made of aluminum and designed for damp and underwater environments with an operating temperature range of 20° to 110° F.	___ ___
	Camera shall be rated as IP68 (waterproof/dustproof), able to be submerged in water.	___ ___

**APPROXIMATELY FOUR (4)
HIGH DEFINITION STORM DRAIN INSPECT CAMERAS
PAGE THREE OF FIVE**

**BIDDER
COMPLIANCE
YES NO**

Camera shall have Schrader air valve for purge and pressurization of electronic components to prevent internal lens fogging when there is extreme change in environmental temperature.

___ ___

Camera shall have an internal pressure gauge that reports pressure readings to the system control application.

___ ___

Camera must have a high-flow relief valve to prevent harm to the system or operator by accidental over pressurization.

___ ___

Camera shall have ability to mechanically tilt via a remotely controlled tilt motor. Camera head tilt will be controlled through an icon in the tablet control application.

___ ___

System shall have quick-connect camera head feature where camera head attaches to the pole via a single mechanical collar. No tools required.

___ ___

Full lighting and camera capability to be able to fit into a 6.0" diameter opening, providing view and access to sub 8" diameter pipelines.

___ ___

Camera window shall be made of scratch resistant sapphire crystal.

___ ___

**CONTROL
APPLICATION
FOR TABLET
COMPUTER:**

The camera system will be controlled by an application that is compatible with specific Android, Windows, or IOS based touch-screen tablets included with package

___ ___

Tablet minimum screen size 8 inches and minimum storage of 32 GB.

___ ___

The application will control the following functions of the camera head:

Power On/Off

___ ___

Light intensity

___ ___

Zoom

___ ___

Auto Focus On/Off

___ ___

Manual Focus

___ ___

Camera Head Tilt

___ ___

**APPROXIMATELY FOUR (4)
HIGH DEFINITION STORM DRAIN INSPECT CAMERAS
PAGE FOUR OF FIVE**

**BIDDER
COMPLIANCE
YES NO**

The application will monitor the following camera head conditions:

Inclination angle in degrees	___	___
Internal air pressure	___	___
Light intensity in percent	___	___
Zoom setting in percent	___	___
Camera battery Status	___	___
Tablet battery status	___	___

The application will allow the operator to:

Take still snapshots	___	___
Record live video	___	___
Review recorded stills and video	___	___
Create two (2) lines of on screen text	___	___
Turn on screen text On/Off	___	___
Turn full screen video On/Off	___	___

**OTHER SYSTEM
HARDWARE:**

Due to the importance of camera head positioning, an adjustable pole mounted targeting and stabilization fixture will be provided to assist viewing dropped lines, centering camera in different diameter lines and to stabilize image from manhole or basin bottom.

___ ___

Stabilization fixture will consist of a stainless steel ratchet that allows camera height to be adjusted in manhole.

___ ___

Upon reaching the bottom of its range, the ratchet will reset itself to the top of its range where positioning can begin again.

___ ___

System will include a hinged pole mount that will extend to a length of 16'. Additional four foot (4') sections will be able to be added to increase the length of the pole mount and the operator's depth capability.

___ ___

A folding fixture will be provided to hold the system in place once positioned allowing hands free operation of the tablet.

___ ___

**APPROXIMATELY FOUR (4)
HIGH DEFINITION STORM DRAIN INSPECT CAMERAS
PAGE FIVE OF FIVE**

**BIDDER
COMPLIANCE
YES NO**

**DELIVERY &
TRAINING:**

The successful bidder shall deliver the completed unit and shall provide up to eight (8) hours of operator training

___ ___

OPTIONAL ITEMS:

One (1) year extended warranty in addition to one (1) year base warranty.

___ ___

Two (2) year extended warranty in addition to one (1) year base warranty.

___ ___

Three (3) year extended warranty in addition to one (1) year base warranty.

___ ___

FOB:

515 6th Avenue South
Birmingham, AL. 35205

___ ___

BID FORM

W. E. Caffee
 Assistant Purchasing Agent
 Birmingham, Alabama

Submitted below is my firm bid for high definition storm drain inspection cameras for the City of Birmingham, in accordance with your invitation to bid and specifications dated June 10, 2016. 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
4	High definition storm drain inspection camera as per specification.		\$ _____	\$ _____
	Alternate 1:			
	Same as base bid except IOS based tablet		\$ _____	
	Alternate 2:			
	Same as base bid except Windows based tablet		\$ _____	
	Alternate 3:			
	Same as base bid except fully ruggedized tablet		\$ _____	
	Optional Features:			
	4' extension section		\$ _____	
	One (1) year extended warranty.		\$ _____	
	Two (2) year extended warranty.		\$ _____	
	Three (3) year extended warranty.		\$ _____	
Total				\$ _____

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))