

AN ORDINANCE APPROVING THE CONTRACT WITH EJ EQUIPMENT, INC. FOR THE PURCHASE OF A SEWER CAMERA TV INSPECTION SYSTEM AND AUTHORIZING THE MAYOR TO EXECUTE THE CONTRACT.

WHEREAS, the City of Branson desires to contract with EJ Equipment, Inc. for the purchase of a sewer camera TV inspection system; and

WHEREAS, EJ Equipment, Inc. has been recommended for approval by staff; and

WHEREAS, the Board of Aldermen desires to approve the contract.

NOW, THEREFORE, BE IT ORDAINED BY THE BOARD OF ALDERMEN OF THE CITY OF BRANSON, MISSOURI, AS FOLLOWS:

Section 1: The Board of Aldermen hereby approves the contract with EJ Equipment, Inc. for the purchase of a sewer camera TV inspection system as specified in the related specifications and substantial conformity with the terms shown on Exhibit "1" attached in the amount not to exceed \$255,586.98 and incorporated by this reference as set out here in full, together with such changes therein as shall be approved by the officers of the City executing same which are consistent with the provisions and intent of this legislation and necessary, desirable, convenient or proper in order to carry out the matters herein authorized. The Mayor, City Administrator, and other appropriate City officials are hereby authorized to execute the Agreement and such additional documents and take any and all actions necessary, desirable, convenient or prudent in order to carry out the intent of this legislation.

Section 2: This ordinance shall be in full force and effect upon and after its passage and approval.

Read, this first time on this 22nd day of August, 2023.

Read, this second time, passed, and truly agreed to by the Board of Aldermen of City of Branson, Missouri this 26th day of September, 2023.



Larry D. Milton
Mayor

ATTEST:


Hillary Briand
City Clerk

APPROVED AS TO FORM:


City Attorney

Office Use Only

MASTER CONTRACT NUMBER:

C2023-0183

PURCHASE OF COMMODITIES CONTRACT

THIS AGREEMENT made and entered into this date _____, by and between the City of Branson, Missouri (the "City") and **EJ Equipment, Inc.** ("Seller").

WHEREAS, the City of Branson desires to purchase and the Seller agrees to sell to the City certain commodities more particularly described in **Exhibit A** (Scope of Work); and

WHEREAS, the Seller made certain representations and statements to the City with respect to the provision of such commodities and the City has accepted the Seller's proposal;

The City and the Seller agree as follows:

1. Item(s) and dates of Purchase. The City agrees to purchase and the Seller agrees to sell the following item(s): **Sewer camera inspection system, from a date beginning on the execution date of this contract to a date ending July 31, 2024.**

2. Quantities to be Purchased and Purchase Price.

- a. The City agrees to purchase and the Seller agrees to sell the following quantities/amounts for the purchase price(s) listed: **See Exhibit B.**
- b. The City assumes no obligations for articles or materials shipped in excess in the quantity ordered. Any unauthorized quantity is subject to the City's rejection and may be returned at the Seller's expense.
- c. It is expressly understood that in no event will the total compensation and reimbursement to be paid to the Seller under the terms of this contract exceed the sum of **Two Hundred Fifty-Five Thousand Five Hundred Eighty-Six Dollars And Ninety-Eight Cents (\$255,586.98), all of which is dependent upon budget appropriations.**

3. Delivery and Shipment.

- a. The Seller is responsible for the costs of shipment.
- b. Time is of the essence with respect to each shipment.
- c. If deliveries are not made **upon demand**, the City reserves the right to cancel this contract, purchase the commodities elsewhere, and hold the Seller liable for any re-procurement costs.
- d. Deliveries are to be made to: **2855 Fall Creek Road Building 80, Branson, Missouri 65616.**

4. **Invoices.** An original and three copies of the invoice shall be submitted by the Seller to the City, showing the purchase order number or contract number and containing a full description of the commodities furnished.
5. **Inspection and Acceptance.**
 - a. No goods received by the City pursuant to this contract shall be deemed accepted until the City has had reasonable opportunity to inspect said goods.
 - b. All goods discovered to be defective (at any time) or which do not conform to any bid specifications or to any warranty of the Seller may be returned at the Seller's expense for full refund or replacement.
 - c. The City's right to return defective and/or non-conforming goods does not bar any other legal, equitable or contractual remedies the City may have against the Seller.
6. **Warranty.**
 - a. Seller expressly warrants that all articles, materials and work covered by this contract conform to each and every specification, drawing, sample or other description which is furnished to or is adopted by the City and that they will be fit and sufficient for the purpose intended, merchantable, of good material and workmanship, and free from defect.
 - b. Such warranty shall not be deemed waived either by reason of the City's acceptance of said material or goods or by payment for them.
 - c. Any implied warranties are not altered by this written contract.
 - d. Additional terms: N/A.
7. **Patents.** Seller guarantees that the sale or use of the articles described herein will not infringe upon any U.S. or foreign patent and Seller covenants that he will, at his own expense, defend every suit which may be brought against the City, or those selling or using City's product for any alleged infringement of any patent by reason of the sale or use of such articles and Seller agrees that he will pay all costs, damages and profits recoverable in any such suit.
8. **Bankruptcy or Insolvency.** In the event of any proceedings by or against either party, voluntary or involuntary, in bankruptcy or insolvency, or for the appointment of a receiver or trustee or an assignee for the benefit of creditors, of the property of Seller, or in the event of breach of any of the terms hereof including in the warranties of the Seller, City may cancel this contract or affirm the contract and hold Seller responsible in damages.
9. **Compliance with Applicable Laws.** The Seller warrants it has complied with all Applicable laws, rules and ordinances of the United States, or any state, municipality or any other governmental authority or agency in the manufacture or sale of the items covered by this contract, including but not limited to all provisions of the Fair Labor Standard Act of 1938, as amended.

- 10. Conflicts.** Any bidder or signee of this contract shall disclose any financial relationship (direct or indirect) to salaried officer, employee of the City or member of the City Board of Aldermen in writing at the time of the execution of this contract. A violation of this provision renders the contract void. Any federal regulations, and applicable provisions in Section 105.450 et seq. RSMo. shall not be violated. Seller covenants that it presently has no interest and shall not acquire any interest, direct or indirect, which would conflict in any manner or degree with the performance of work to be performed under this contract. The Seller further covenants that in the performance of this contract no person having such interest shall be employed.
- 11. Interpretation of Contract and Assignments.** The contract shall be construed according to the laws of the State of Missouri. Seller hereunder may not assign the contract, or any rights, obligations or duties without City's written consent or any attempted assignment without such consent shall be void.
- 12. Termination of Contract.** The City reserves the right to terminate the contract at any time for the City's convenience (without cause) or for cause if any of the provisions of the contract are violated by the Seller, in the sole judgment and discretion of the City. In the event of such termination for cause, the Seller shall be liable for any excess costs incurred by the City. If the contract is terminated, the City may purchase upon such terms and in such manner as the Purchasing Agent may deem appropriate, supplies or services similar to the good identified in this contract; the Seller will be liable for any excess costs occasioned thereby (except that Seller will not be liable for such excess costs occasioned thereby in instances where this agreement is terminated by the City without cause or for City's convenience).
- 13. Non-discrimination in Employment.** In connection with the furnishing of supplies or performances or work under this contract, the Seller agrees to comply with the Fair Labor Standard Act, Fair Employment Practices, Equal Opportunity Employment Act, and all other applicable federal and state laws, and further agrees to insert the foregoing provision in all subcontracts awarded hereunder. The Seller agrees in the performance of this contract not to discriminate on the ground or because of race, creed, color, national origin or ancestry, sex, religion, handicap, age, or political opinion or affiliation, against any employee of Seller or applicant for employment and shall include a similar provision in all subcontracts let or awarded hereunder.
- 14. Provisions by Law Deemed Inserted.** Each and every provision of the law and clauses required by law to be inserted in this contract will be deemed to be inserted herein and will be read and enforced as though it were included herein, and if through mistake, or otherwise any such provision is not inserted, then upon the application of either party the contract will be physically amended to make such insertion or correction.
- 15. Tax-Exempt.** The City of Branson is exempt from Sales Tax and Federal Excise Tax.
- 16. Jurisdiction.** This agreement and every question arising hereunder shall be construed or determined according to the laws of the State of Missouri. Should any part of this agreement be litigated, venue shall be proper only in the Circuit Court of Taney County, Missouri.

17. Severability. If any term or provision of this agreement is held invalid or unenforceable, the remainder of this agreement will be considered valid and enforceable to the fullest extent permitted by law.

18. Entire Agreement. This agreement contains the entire agreement of the parties. No modification, amendment, or waiver of any of the provisions of this agreement shall be effective unless in writing specifically referring hereto, and signed by both parties.

IN WITNESS WHEREOF, the parties hereto have set their hands and seals on the day and year herein stated.

SELLER:

CITY OF BRANSON, MISSOURI

DocuSigned by:
By: Julie Belan 8/7/2023
80A70530F60043E...
(Signature) Date

Larry D. Milton
Mayor Date

ATTEST:

Hillary Briand
City Clerk Date

APPROVED AS TO FORM:

DocuSigned by:
Madison Touchstone 8/7/2023
895456009FC4415
Interim City Attorney Date

EJ Equipment Inc
1920 Formosa Road
Troy, IL 62294

SCOPE OF WORK

1. Purpose: The Seller, EJ Equipment Inc shall provide one (1) Cues sewer camera TV inspection system mounted in a trailer, meeting the following specifications.
2. General Requirements:
 - 2.1 CUES TV INSPECTION SYSTEM MOUNTED IN A TRAILER, OR APPROVED EQUAL (1)
 - 2.2 7X14 TANDEM AXLE TRAILER, 7000GVWR (1)
 - 2.2.1 Tandem Axle Trailer
 - 2.3 TV TRAILER EXTERIOR LIGHTING & CONTROL ROOM - EVOLUTION 3.0 (1)
 - 2.3.1 Exterior
 - 2.3.1.1 (1) Amber LED Strobe Warning Beacons
 - 2.3.1.2 (2) Adjustable LED Floodlights Rear of Vehicle Area Illumination Control Room
 - 2.3.2 Interior
 - 2.3.2.1 (1) Lonseal Lonplate Flooring
 - 2.3.2.2 (1) Kemlite Wall & Ceiling Covering
 - 2.3.2.3 (1) Bulkhead Wall with Passage Door from Control Room to Equipment Room
 - 2.3.2.4 (1) Tinted Viewing Window in Bulkhead Wall
 - 2.3.2.5 (1) Tinted Viewing Window in Bulkhead Door
 - 2.3.2.6 (1) Above Desk Control Console with Rack Mount for Electronic Equipment
 - 2.3.2.7 (1) Desktop / Work Area
 - 2.3.2.8 (1) 12V High Intensity LED Light Fixture
 - 2.3.2.9 (1) Multi-Outlet Power Strip with USB Ports
 - 2.3.2.10 (1) Fire Extinguisher with Bracket, 10BC Rating
 - 2.3.2.11 (1) Operators Chair, Swivel with Casters
 - 2.3.2.12 (1) Breaker Box Storage Area with Locking Positive Latch
 - 2.3.2.13 (1) Battery Powered Carbon Monoxide Alarm
 - 2.3 ROOF TOP AIR CONDITIONER, 13,500 BTU WITH HEAT STRIP (1)
 - 2.4 STORAGE CABINET UNDER VIEWING ROOM DESKTOP (1)
 - 2.5 TV TRAILER EQUIPMENT ROOM INTERIOR - EVOLUTION 3.0 (1)
 - 2.5.1 (1) Lonseal Lonplate Flooring
 - 2.5.2 (1) Kemlite Wall & Ceiling Covering
 - 2.5.3 (1) Electrical Outlet with Dual Receptacles

- 2.5.4 (1) 12V High Intensity LED Light Fixture
 - 2.5.5 (1) 15 Minute Courtesy Timer Located at Rear Door Area for 12V LED Interior Lights
 - 2.6 2.6 MULTI-OUTLET WORKSTATION WITH LIGHTS AND USB PORTS (1)
 - 2.7 2.7 20-GALLON WASHDOWN SYSTEM (1)
 - 2.7.1 (1) 20-Gallon Fresh Water Tank
 - 2.7.2 (1) Electric Water Pump
 - 2.7.3 (1) Retractable Hose Reel with 25'Water Hose and Nozzle
 - 2.8 UPPER AND LOWER STORAGE CABINET IN EQUIPMENT ROOM (1)
 - 2.8.1 (1) Lower Storage Cabinet I Work Top
 - 2.8.2 (1) Upper Wall Mounted Storage Cabinet
 - 2.9 2.9 5-DRAWER TOOL CHEST, MODULINE (1)
 - 2.10 UNIVERSAL PAPER TOWEL HOLDER IN EQUIPMENT ROOM (1)
 - 2.11 32" REAR FLAT SCREEN MONITOR MOUNTED IN BULKHEAD WALL (1)
 - 2.11.1 (1) Flat Screen Monitor
 - 2.11.2 (1) Cable Assembly - Video Monitor to Monitor in Control Room
 - 2.11.3 (1) Electrical Outlet
 - 2.12 15 GALLON EPA FUEL TANK FOR TRAILER (1)
 - 2.13 7000 WATT GAS ONAN EVAPORATOR GENERATOR (1)
 - 2.13.1 (1) 120 Volt 60 HZ 7000 Watt EFI (Electronic Fuel injection) Commercial Grade Generator
 - 2.13.2 (1) Gasoline Powered
 - 2.13.3 (1) Electric Start
 - 2.13.4 (1) Air Cooled
 - 2.13.5 (1) Generator Remote Start/Stop Cable assembly
 - 2.14 POWER SUPPLY COMPONENTS (1)
 - 2.14.1 (1) Generator Compartment Mounted on Trailer Tongue
 - 2.14.2 (1) Commercial Power Supply Receptacle, 25' Cord, and Plug
 - 2.14.3 (1) Electrical Supply Center with Circuit Breaker Box
 - 2.14.4 (1) Commercial power and Generator Power Connectors
 - 2.14.5 (1) Automatic Power Transfer Switch
 - 2.15 SYSTEM ENGINEERING PANEL, FOR POWER INFORMATION AND GENERATOR FUNCTIONS, RACK MOUNTED (1)
 - 2.15.1 (1) Four Function AC Power Meter displaying Critical Power Information
 - 2.15.1.1 Voltage
 - 2.15.1.2 Hertz
 - 2.15.1.3 Amperage
 - 2.15.1.4 Active Power (Watts)
 - 2.15.2 (1) Front panel Selector Switch for two modes of operation:
 - 2.15.2.1 Fixed reading
 - 2.15.2.2 Continuous Auto-cycling
- including:

- 2.15.3 (1) Generator Battery Meter to Display Starting and Charging Voltage
- 2.15.4 (1) Generator Hour Meter
- 2.15.5 (1) Generator Remote Start/Stop Control Switch
- 2.15.6 (1) On/Off Switch for Emergency Warning beacons (Switch to Illuminate When On)

- 2.16 023 P&T ZOOM M/C LED CAMERA (1)
 - 2.16.1 (1) Solid State Color Sewer TV Camera
 - 2.16.2 (1) Pan & Rotate Camera Head, 40:1 Zoom Ratio, 10x Optical Zoom, 4x Digital Zoom
 - 2.16.3 (1) NTSC Color Standard with 4x Light Integration
 - 2.16.4 (1) 4 X SW Cluster LED's for 6" through 72" lines
 - 2.16.5 (1) Camera Transportation and Storage Case

- 2.17 BUILT-IN SONDE FOR MAINLINE CAMERA(1)
 - 2.17.1 (1) Built In Transmitter , 512 Hz

- 2.18 BRASS COMP STEERABLE CAM TRANS, WHEELED -60V (1)
 - 2.18.1 (1) Steerable Unit Designed to Turn 360 Degrees within Its Own Radius
 - 2.18.2 (1) Set of Driven Rubber Wheels to Inspect 6" Pipe
 - 2.18.3 (1) Two (2) Speed Transmission to Maximize Torque in Large Diameter Pipe

with:

- 2.18.3.1 (1) Manual Shifter on Camera Carrier
 - 2.18.3.2 (1) Unit Shall Have Forward, Free Wheel, and Power Reverse
- Capabilities
- 2.18.4 (1) All Six (6) Wheel Drive Transporter Assembly to Include:
 - 2.18.4.1 Motor & Enclosed Drive Train
 - 2.18.5 (1) Tip up Rear Connector

- 2.19 8" RUBBER WHEEL KIT FOR COMPACT TRANSPORTER (2)
- 2.20 10-15" RUBBER WHEEL KIT FOR COMPACT TRANSPORTER (2)
- 2.21 6"-15"PIPE SPACER KIT (1)
- 2.22 12"-15" PNEUMATIC TIRE KIT FOR COMPACT TRANSPORTER (2)
- 2.23 8" STEEL 10/12 GRIT WHEEL KIT, v2 (2)
- 2.24 10-15" STEEL 10/12 GR WHEEL KIT FOR COMPACT TRANSPORTER (2)
- 2.25 WHEEL, STEEL, 8", SINGLE PT, SPIKE (12)
- 2.26 WHEEL, STL, 10-15"PIPE, QCK CHG, SPIKE (12)
- 2.27 1500' CABLE ASSEMBLY, M/C 12PIN METAL (1)
 - 2.27.1 (1) 1500' Gold Multi Conductor Kevlar Fiber Armored Combination TV Transmission/ Tow Cable
 - 2.27.2 (1) .450 Diameter
 - 2.27.3 (1) Metal Splice Chamber with Pigtail
 - 2.27.4 (1) Cable Strain Relief

- 2.28 TV REEL ASSEMBLY, MECHANICAL FOOTAGE FOR SUMMIT .450 CABLE (1)
 - option)
 - 2.28.1 (1) Black Thermoplastic Powder Coated Frame (not available with BRAKE
 - 2.28.2 (1) Power Levelwind & Multi Ratio Manual Transmission
 - 2.28.3 (1) Footage Meter with Local Counter and Remote Electronic Counter
 - 2.28.4 (1) Transmission Control at Viewing Station
 - 2.28.5 (1) Local Reel Mount Electrical and Mechanical Control
 - 2.28.6 (1) Sealed Continuous Contact Collector Assembly
 - 2.28.7 (1) Removable Drip Pan for Cleaning (not available with BRAKE option)
- 2.29 AUTOMATIC PAYOUT SYSTEM FOR REEL (1)
- 2.30 19" (MINIMUM) FLATSCREEN COLOR INDUSTRIAL TV MONITOR NTSC / PAL COLOR STANDARDS (2)
- 2.31 MOUNTING HARDWARE FOR MONITOR to include Bracket(s), and / or Mount(s), and Miscellaneous hardware required to secure monitor for optimal safety and viewing. (2)
- 2.32 PCU ASSEMBLY [RACK MOUNT] (1)
- 2.33 CCU ASSEMBLY [RACK MOUNT] (1)
 - 2.33.1 (1) Alpha Numeric Information Display, with Multi Paging and Defect Coding
 - 2.33.2 (1) Remote "QWERTY" Keyboard
 - 2.33.3 (1) On Screen Footage Display
- 2.34 WIRED & WIRELESS CONTROLLER (1)
 - 2.34.1 (1) Joystick Control for Pan and Tilt Zoom Camera to Include:
 - 2.34.1.1 (1) 360 Degree Rotate
 - 2.34.1.2 (1) 330 Degree Optical Pan
 - 2.34.2 (1) Joystick Control for All Steering Functions & Forward I Reverse Directions for Transporter
 - 2.34.3 (1) Camera Lift Control for Optional Electronic Camera Lift
 - 2.34.4 (1) All Other Controls for Camera to Include:
 - 2.34.4.1 (1) Camera Iris and Focus Override & Zoom
 - 2.34.4.2 (1) Camera Lights & Shutter Control for Light Enhancement
 - 2.34.4.3 (1) Camera Diagnostics & Auto Home
 - 2.34.5 (1) Cruise Control to Set Speed of the Transporter for Hands off Operation
 - 2.34.6 (1) All Reel Controls to Include: Retrieve, Release, and Variable Speed
- 2.35 8.7" MINI KEYBOARD
- 2.36 SHORTING PLUG
- 2.37 TEST CABLE
- 2.38 COMPUTER ONLY
 - 2.38.1 (1) Motherboard LGA 1200 Socket and Intel Z590 Chipset
 - 2.38.2 (1) Intel Core i?-11700 2.5-4.9 GHz Processor
 - 2.38.3 (1) 16 GB LP/DDR4 2666 RAM
 - 2.38.4 (1) USB Video Capture Device for MPEG 1 / 2 / 4 /WMV
 - 2.38.5 (2) LAN, On Board Network Connections, 2.5GbE(2.5GbiU1 GbiU100Mbit)

- 2.38.6 (6) USB 3.2 Ports/ Back
- 2.38.7 (2) USB 3.0 Ports / front
- 2.38.8 (1) USB Type C--Thunderbolt
- 2.38.9 (2) RS232 Serial Ports
- 2.38.10 (1) Bluetooth v5.1
- 2.38.11 (1) Wi-Fi a/b/g/n/ac/ax, 2.4/5 GHz Dual-Band
- 2.38.12 (5) On Board Audio Ports
- 2.38.13 (1) DVD + / - RW DVD Burner 20x / CD - RW 40x Internal Optical Drive
- 2.38.14 (1) 1 TB M.2 Solid State Drive
- 2.38.15 (1) 500 GB M.2 Solid State Drive
- 2.38.16 (1) 500 Watt 1U ATX Power Supply
- 2.38.17 (1) Industrial Hardened Case Slim 2u (88mm) Design for 19" (482.6mm)Rack
- 2.38.18 (1) Windows 10 Professional 64-bit Operating System
- 2.38.19 (1) System Recovery Disk
- 2.38.20 (1) USB C 12 in 1 docking station

2.39 GRANITENET BASIC INSPECTION SOFTWARE KIT

2.40 (1) GraniteNet BASIC SUPPORT PLAN

2.41 (1) KEYBOARD AND MOUSE COMBO, WIRED

2.42 (1) COLOR PRINTER

2.43 ALL NECESSARY CABLING AND COMPONENTS TO COMPLETE THE INTERFACE BETWEEN THE DATA ACQUISITION SYSTEM, PERIPHERALS, AND THE VIDEO INSPECTION EQUIPMENT

2.44 KIT, UPS, BELOW MOUNT

- 2.44.1 (1) Input 120-Volt / Output 120-Volt
- 2.44.2 (1) Cord Management Straps

2.45 KIT, DOWNHOLE, STD

- 2.45.1(1) Top roller Assembly, Manhole, TV Only, Al
- 2.45.2 (1) Claw Hook, Manhole Adapter, f/WT319
- 2.45.3 (1) Hook Assembly, Retrieval (SNGL, SHTY/LMP/PR)
- 2.45.4 (6) Pole Assembly, Retrieval/ Downhole ti, 58"
- 2.45.5 (1) Roller Assembly, Invertf/WT319

2.46 TIGER TAIL

2.47 MULTI CONDUCTOR TV ONLY TOOL KIT

- 2.47.1 (1) Milliamp meter Tool
- 2.47.2 (1) Electrical Tape
- 2.47.3 (1) Needle Nose Pliers
- 2.47.4 (1) Six-In-One Screwdriver
- 2.47.5 (1) 6" Adjustable Wrench
- 2.47.6 (1) Anti Seize Grease
- 2.47.7 (1) 9-Piece Allen Wrench kit
- 2.47.8 (1) Solder Iron Kit
- 2.47.9 (1) Pliers
- 2.47.10 (1) 5/32 T-Handle Hex Wrench

2.48 DAYS FIELD TRAINING FOR ID SYSTEM (3)

3.0 OPTIONAL ITEMS [NOT INCLUDED IN BASE QUOTE]

- 3.1 GNET WEBOFFICE SERVER KIT
- 3.2 SOFTWARE, WEBVIEW SVR SUPPORT GNET
- 3.3 KIT, WEBINSPECT SERVER GNET
- 3.4 WEBINSPECT PER USR UC ANNUAL SUB
- 3.5 WEB INSPECT PR USER ACTIVATION GNET
- 3.6 DATA WEB PORTAL IMPLEMENTATION GNET
- 3.7 SOFTWARE, WEBINSPECTION SUPPORT
- 3.8 SAAS WEBOFFICE/SYNC/INSPECT CLOUD
- 3.9 CLOUD ADDL 1TB MEDA STG ANNUAL GNET
- 3.10 SOFTWARE, WEBSYNC MODULE GNET
- 3.11 SOFTWARE, CUES PIPESCORE FOR CUES GNET
- 3.12 ESRI INTERFACE MODULE GraniteNet SOFTWARE
- 3.13 DATA GIS SYSTEM IMPLEMENTATION GNET [REMOTE ONLINE]

4.0 General Provisions:

- 4.1 The unit will be supplied with a wireless integrated handheld portable controller that must have control of all speeds and movements for the pan and tilt zoom camera, transporter, and reel. It must be able to operate from the front, rear, and up to 100 ft. from the unit within line of sight.
- 4.2 The power supply shall have a wireless receiver to communicate with a wireless handheld controller for the camera, transporter, and reel.
- 4.3 The Optical Zoom Pan and Tilt Camera must connect directly into the wheeled transporter cradle into a built-in receptacle in the transporter assembly. External cables for connecting the camera to the wheeled or tracked transporter will not be accepted.
- 4.4 The Optical Zoom Pan and Tilt Camera must have a 4-step light enhancement feature that increases the light sensitivity of the camera when encountering challenging light conditions.
- 4.5 The Optical Zoom Pan and Tilt Camera must have built in field replaceable lighting that provides directional lighting for 6"-72" pipe with no requirement to added external lighting. Replaceable light rings will not be accepted. Cameras that require external non-directional lighting to be added to inspect this pipe size range will be deemed not acceptable. Cameras that do not contain field replaceable lighting will be deemed unacceptable.
- 4.6 The Optical Zoom Pan and Tilt Camera must have built in diagnostics that display on screen on demand that include a humidity sensor, serial number, temperature sensor, camera amperage, and light voltage. Cameras without built in diagnostics will be deemed not acceptable.
- 4.7 The Optical Zoom Pan and Tilt Camera when used with the wheeled steerable transporter must be able to pan and tilt in a 5" diameter pipe.
- 4.8 The Optical Pan and Tilt Camera must have built in directional LED LAMPS for 6"-72" lines. The LED LAMPS must be field replaceable by the operator in the field or will be deemed not acceptable.

- 4.9 The Optical Pan and Tilt Zoom camera must have a built-in sonde. Sondes mounted outside of the camera body will be deemed not acceptable.
- 4.10 The Optical pan and tilt zoom camera to be supplied on the compact transporter must be in production for a minimum of one year.
- 4.11 Individual light modules must be readily field replaceable within 10 minutes with a Phillips screwdriver.
- 4.12 The length of the steerable camera/ wheeled transporter assembly cannot exceed 20". It must operate in 6" relined through 24" pipe.
- 4.13 The steerable wheeled camera transporter must have high traction steel wheel sets for 8", and 10" -15" pipe inspection.
- 4.14 The steerable wheeled camera transporter must be supplied with rubber tires for 6", 8", and 10"-15" Pneumatic tires and Steel wheels 8' and 10-15' pipe inspections.
- 4.15 The steerable wheeled camera transporter for 6"-24" pipe and the pan and tilt optical zoom camera must be controlled via a wireless hand held pendant controller that integrates the control of all transporter motions to include speed, forward, reverse, steering and all camera pan and tilt, rotation, auto centering, zoom, lights, 4 step light enhancement, diagnostics, iris and focus overrides plus electric camera lift functions and reel functions. The integrated handheld pendant control must transmit wireless or it will not be accepted.
- 4.16 The steerable wheeled camera transporter for 6"-24" pipe must have a rear tip-up waterproof bulkhead connector that minimizes the stress/ strain on the connections and interface cable during insertion and retrieval. Transporters with stationary connectors that do not move to reduce the stress on the connections and interface cables will be deemed not acceptable.
- 4.17 The steerable wheeled camera transporter for 6"-24" pipe shall have a built in two speed transmission that doubles the torque of the transporter drive train when the large diameter tires (7.9") are installed. Large Line kits that require assembly and disassembly when switching from inspecting small diameter pipe to large diameter pipe will be deemed not acceptable.
- 4.18 The transporter will have the ability to be retrieved in freewheel mode by the cable reel with motors disengaged to minimize wear and tear on the motor.
- 4.19 The video cable must be a minimum of .450" diameter, have 2000-pound break strength, and weigh no more than 110lbs per 1000 ft.
- 4.20 The video cable reel must have an auto payout feature for the video cable to coordinate the speed of the video cable with the pulling speed of the camera transporter. Auto assist that does not coordinate the speed of the reel feed out with the transporter will be deemed not acceptable.
- 4.21 TV cable reel shall be heavy duty, built into a rugged steel frame designed for fixed mounting into a TV unit. The reel shall be powered by a variable speed electric motor and driven through a multi-gear ratio transmission. The transmission will have multiple speeds to limit the motor load during varying towing conditions. The reel shall be equipped with an automatic level wind assembly to evenly pay out or rewind the cable to prevent pile-ups, entanglements and

burying. Lightweight aluminum frame Portable TV cable reels mounted in TV unit will be deemed not acceptable.

4.22 Supplier must provide a heavy-duty truck mounted steel frame video cable reel. Lightweight aluminum frame video cable reels that are used for portable systems will be deemed not acceptable.

4.23 All functions of the video cable reel will be remotely controlled by the wireless handheld portable pendant.
Reels that do not have this essential feature of total wireless control will be deemed not acceptable.

4.24 The TV cable reel shall have the ability to retrieve the transporter through the pipe into the invert without the need for the motor to be engaged and driving in reverse.

4.25 The cable shall have helically wound conductors, including the coax, so the conductors and coax are longer than the total length of the cable. This serves as an internal strain relief and any pulling stress of the cable will be felt by the cable jacketing before the conductors and coax. Cables in which the coax is centered and therefore not helically wound will not be accepted.

4.26 The data acquisition software must have the ability to click on an asset and display all of the corresponding inspections in chronological order.

4.27 The data acquisition system shall display unlimited images for an observation report and shall not be limited to two images.

4.28 The data acquisition system set up screen must be customizable to fit the particular set-up requirements of The City.

4.29 The data acquisition system must be capable of logging continuous defects and nest various defects within the start and end of the continuous defect.

4.30 The prospective supplier must own the rights to the software code. No third-party software will be accepted.

4.31 Trailer Interior must be completely built and assembled by the manufacturer of the CCTV equipment. Vendors that use a 3rd party for the truck build will be deemed not acceptable.

4.32 The system provided in the bid must be able to operate all the prospective bidders' cameras, transporters, and accessories.

5.0 All products must be of acceptable quality, the City reserves the right to inspect all products prior to purchase.

6.0 The City reserves the right to reject all bids. It is the intent and purpose of the City that this Request for Bid provides fair and equal opportunity for each bidder to submit competitive bids. It is the bidder's responsibility to furnish as much details as possible for consideration if offering a substitute product.

Exhibit B

PRICING PAGE

Item	Description	Unit Cost	
001	Cues TV Inspection System Mounted in a Trailer	<u>\$210,000.00</u>	ea
002	Webinspect PR User UC Activation GNET (Optional)	<u>\$1,000.00</u>	ea
003	Data Web Portal Implementation GNET (Optional)	<u>\$6,000.00</u>	ea
004	SAAS Weboffice/Sync/Inspect Cloud (Optional)	<u>\$24,357.78</u>	ea
005	Cloud Addl 1TB Meda STG Annual GNET (Optional)	<u>\$839.20</u>	ea
006	Software, Websync Module GNET (Optional)	<u>\$995.00</u>	ea
007	ESRI Interface Module GraniteNet Software (Optional)	<u>\$7,895.00</u>	ea
007	Data GIS System Implementation GNET (Remote Online) (Optional)	<u>\$4,500.00</u>	ea