

Patricia A. Peshka
Purchasing Agent



Joseph J. Solomon
Mayor

City of Warwick
Purchasing Division
3275 Post Road
Warwick, Rhode Island 02886
Tel (401) 738-2013
Fax (401) 737-2364

The following notice is to appear on the City of Warwick's website Wednesday, September 2, 2020. The website address is <http://www.warwickri.gov/bids>.

**CITY OF WARWICK
BIDS REQUESTED FOR**

**Bid2021-143 Video Inspection Vehicle & Equipment for Wastewater Gravity Line
Condition Assessment**

Specifications are available in the Purchasing Division, Warwick City Hall, Monday through Friday, 8:30 AM until 4:30 PM on or after Wednesday, September 2, 2020. **Our office will be closed Monday, September 7, 2020 and will re-open on Tuesday, September 8, 2020.**

Sealed bids will be received by the Purchasing Division, Warwick City Hall, 3275 Post Road, Warwick, Rhode Island 02886 up until 11:00 AM, Tuesday, September 29, 2020. The bids will be opened publicly commencing at 11:00 AM on the same day in the Lower Level Conference Room, Warwick City Hall. ***Please note due to COVID-19, only one person from each company may attend the bid opening. Employees and visitors must adhere to social distance guidelines. All visitors are advised to wear masks or face coverings.***

Awards will be made on the basis of the lowest evaluated or responsive bid price. Please note that no bids can be accepted via email or fax.

The City of Warwick, in addition to soliciting bids in response to this bid, may consult, consider, and make an award for any and all open bid offers for a comparable unit as sought herein at the following websites:

RI State MPA: <https://www.ridop.ri.gov/contract-portal/>

NASPO: <https://www.naspo.org/>

NJPA (National Joint Powers Alliance): <https://www.njpacoop.org/cooperative-purchasing>

MHEC (Massachusetts Higher Education Consortium): <https://www.mhec.net/>

Individuals requesting interpreter services for the hearing impaired must notify the Purchasing Division at 401-738-2013 at least 48 hours in advance of the bid opening date.

Original Signature on File

Patricia A. Peshka
Purchasing Agent

PLEASE COMPLETE THIS PAGE & SUBMIT WITH YOUR BID

Acknowledgement of Addendum (if applicable)

Addendum Number	Signature of Bidder
_____	_____
_____	_____

COMPANY NAME: _____

COMPANY ADDRESS: _____

COMPANY ADDRESS: _____

BIDDER'S SIGNATURE: _____

BIDDER'S NAME (PRINT): _____

TITLE: _____ TEL. NO.: _____

EMAIL ADDRESS: _____*

*Please include your email address. Future bids will be emailed, unless otherwise noted.
=====

II. AWARD AND CONTRACT:

The CITY OF WARWICK, acting as duly authorized through its Purchasing Agent/Finance Director/Mayor, accepts the above bid and hereby enters into a contract with the above party to pay the bid price upon completion of the project or receipt of the goods unless another payment schedule is contained in the specifications. All terms of the specifications, both substantive and procedural, are made terms of this contract.

DATE: _____
Bid2021-143

Purchasing Agent

PLEASE COMPLETE THIS PAGE & SUBMIT WITH YOUR BID

CERTIFICATION & WARRANT FORM*

**This form must be completed and submitted with sealed bid.
Failure to do so will result in automatic rejection.**

Any and all bids shall contain a certification and warrant that they comply with all relevant and pertinent statutes, laws, ordinances and regulations, in particular, but not limited to Chapter 16-Conflicts of Interest, of the Code of Ordinances of the City of Warwick. Any proven violation of this warranty and representation by a bidder at the time of the bid or during the course of the contract, included, but not limited to negligent acts, either directly or indirectly through agents and/or sub-contractors, shall render the bidder's contract terminated and the bidder shall be required to reimburse the City for any and all costs incurred by the City, including reasonable attorney fees, to prosecute and/or enforce this provision.

Signature

Date

Company Name

Address

Address

***This form cannot be altered in any way**

**CITY OF WARWICK
NOTICE TO BIDDERS**

**Bid2021-143 Video Inspection Vehicle & Equipment for Wastewater Gravity Line
Condition Assessment**

If you received this document from our homepage or from a source other than the City of Warwick Purchasing Division, please check with our office prior to submitting your bid to ensure that you have a complete package. The Purchasing Division cannot be responsible to provide addenda if we do not have you on record as a plan holder.

Bids received prior to the time of the opening will be securely kept, unopened. No responsibility will be attached to an officer or person for the premature opening of a bid not properly addressed and identified. No bids will be accepted via facsimile or email.

The opening of bids will be in the order established by the posted agenda and the agenda will continue uninterrupted until completion.

Once an item has been reached and any bids on that item has been opened, no other bids on that item will be accepted and any such bid will be deemed late.

The contractor will not discriminate against any employee or applicant for employment because of physical or mental handicap for any position for which the employee or applicant is qualified and that in the event of non-compliance the City may declare the contractor in breach and take any necessary legal recourse including termination or cancellation of the contract.

A bidder filing a bid thereby certifies that no officer, agent, or employee of the City has a pecuniary interest in the bid or has participated in contract negotiations on the part of the City, that the bid is made in good faith without fraud, collusion, or connection of any kind with any other bidder for the same call for bids, and that the bidder is competing solely in his own behalf without connection with, or obligation to, any undisclosed person or firm.

All bids should be submitted with one (1) original and one (1) copy in a sealed envelope, which should read: *YOUR COMPANY NAME* plainly marked on the exterior of the envelope as well as "Bid2021-143 Video Inspection Vehicle & Equipment for Wastewater Gravity Line Condition Assessment."

All proposals submitted become the property of the City and will not be returned. If the company intends to submit **confidential or proprietary information** as part of the proposal, **any limits on the use or distribution of that material should be clearly delineated in writing. This information should be submitted in a sealed envelope, clearly labeled confidential** and where it should be submitted in the response. Please be advised of the Freedom of Information Act as it may pertain to your submittal.

Should you have any questions, please contact Earl Bond, Warwick Sewer Authority, at 401-468-4721.

All bids should be written in ink or typed. If there is a correction with whiteout, the bidder should initial the change.

Negligence on the part of the bidder in preparing the bid confers no rights for the withdrawal of the bid after it is open.

Any deviation from the specifications must be noted in writing and attached as part of the bid proposal. The bidder will indicate the item or part with the deviation and indicate how the bid will deviate from specifications.

The IRS Form W-9 available on www.warwickri.gov should be completed and submitted with the bid if the bidder falls under IRS requirements to file this form.

For a bid to be awarded to a corporation, limited liability company or other legal entity, prior to commencing work under the awarded bid, that corporation, company or legal entity may be required to provide to the Purchasing Agent a **Certificate of Good Standing** dated no more than thirty (30) days prior to the date upon which the bid approval was made.

The successful bidder will provide said **Certificate of Good Standing** (if required) within ten (10) calendar days after notification or the City reserves the right to rescind said award.

Prices to be held firm one (1) year from date of award. Term contracts may be extended for one (1) additional term upon mutual agreement unless otherwise stated.

The contractor must carry sufficient liability insurance and agree to indemnify the city against all claims of any nature, which might arise as a result of his operations or conduct of work.

The City is exempt from the payment of the Rhode Island Sales Tax under the 1956 General Laws of the State of Rhode Island, 44-18-30, Paragraph I, as amended.

The Purchasing Agent reserves the right to reject any and all bids, to waive any minor deviations or informalities in the bids received, and to accept the bid deemed most favorable to the interest of the City.

The successful bidder must comply with all Rhode Island Laws applicable the public works projects, including, but not limited to provisions of Chapter 13 of Title 37 of the Rhode Island General Laws, pertaining to prevailing wage rates, and all other applicable local, state and federal laws.

The City reserves the right to terminate the contract or any part of the contract in the best interests of the City, upon 30-day notice to the contractor. The City will incur no liability for materials or services not yet ordered if it terminates in the best interests of the City. If the City terminates in the interests of the City after an order for materials or services have been placed, the contractor will be entitled to compensation upon submission of invoices and proper proof of claim, in that proportion which its services and products were satisfactorily rendered or provided, as well as expenses necessarily incurred in the performance of work up to time of termination.

No extra charges for delivery, handling or other services will be honored. All claims for damage in transit will be the responsibility of the successful bidder. Deliveries must be made during normal working hours unless otherwise agreed upon.

All costs directly or indirectly related to the preparation of a response to this solicitation, or any presentation or communication to supplement and/or clarify any response to this solicitation which may be required or requested by the City of Warwick will be the sole responsibility of and will be borne by the respondent.

If the respondent is awarded a contract in accordance with this solicitation and if the respondent fails or refuses to satisfy fully all of the respondents obligations thereunder, the City of Warwick will be entitled to recover from the respondent any losses, damages or costs incurred by the City as a result of such failure or refusal.

The City reserves the right to award in part or full and to increase or decrease quantities in the best interest of the City.

Any quantity reference in the bid specifications are estimates only, and do not represent a commitment on the part of the City of Warwick to any level of billing activity. It is understood and agreed that the agreement will cover the actual quantities ordered during the contract period.

The City reserves the right to rescind award for non-compliance to bid specifications.

The successful bidder must adhere to all City, State and Federal Laws, where applicable.

CITY OF WARWICK
WARWICK SEWER AUTHORITY

**VIDEO INSPECTION VEHICLE AND EQUIPMENT FOR WASTEWATER GRAVITY LINE
CONDITION ASSESSMENT**

Please note that the following specifications or approved equal are minimum requirements

Multi Conductor Hi-Cube TV Inspection System

General Provisions: Please check Yes or No for the following requirements

1. The video cable must be .450" diameter, have 2,000 pound break strength, and weigh no more than 110lbs per 1000 ft. Comply: Yes_____ No_____
2. 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: Comply: Yes_____ No_____
3. **The video cable shall be furnished in a length of 1,000 ft. to facilitate inspection of multiple sections with only one set up.** Comply: Yes_____ No_____
4. **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:** Comply: Yes_____ No_____
5. **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:** Comply: Yes_____ No_____
6. All functions of the video cable reel will be remotely controlled by the wireless hand held portable pendant. Reels that do not have this essential feature of total wireless control will be deemed not acceptable. Comply: Yes_____ No_____
7. 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. Comply: Yes_____ No_____
8. 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. Comply: Yes_____ No_____

9. 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:** Comply: Yes_____ No_____
10. 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: Comply: Yes_____ No_____
11. 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 not acceptable:** Comply: Yes_____ No_____
12. 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.** Comply: Yes_____ No_____
13. 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:** Comply: Yes_____ No_____
14. The Optical Pan and Tilt Camera must have the ability to accept built in directional lighting with Xenon LAMPS for 6"-72" lines or built in directional LED LAMPS for 6"-72" lines. **The Xenon Lamps and the LED LAMPS must be field replaceable by the operator in the field or will be deemed not acceptable:** Comply: Yes_____ No_____.
15. The Optical pan and tilt zoom camera to be supplied on the compact transporter must be in production for a minimum of one year. A list of 10 references must be attached.
16. Individual light modules must be readily field replaceable within 10 minutes with a Phillips screw driver: Comply: Yes_____ No_____
17. The length of the steerable camera / wheeled transporter assembly cannot exceed 20". It must operate in 6" relined through 48" pipe. Comply: Yes _____No_____
18. The steerable wheeled camera transporter must have high traction steel wheel sets for 6", 8", and 10" and larger pipe inspection. Comply: Yes _____ No _____
19. The steerable wheeled camera transporter must be supplied with rubber tires for 6", 8", and 10"-48" pipe inspection, and pneumatic tires for 15"-48" pipe inspection with heavy debris: Comply: Yes_____ No:_____
20. The steerable wheeled camera transporter for 6"-48" 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 hand held pendant control must transmit wireless or it will not be accepted:** Comply: Yes_____ No_____
21. The steerable wheeled camera transporter for 6"-48" 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:** Comply: Yes_____ No_____

22. The steerable wheeled camera transporter for 6”-48” 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:** Comply: Yes_____ No_____
23. 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 motors. Comply: Yes_____ No_____
24. The steerable wheeled camera transporter shall be available in light and heavy weight body options. Comply: Yes_____ No_____
25. The data acquisition software must have the ability to click on an asset and display all of the corresponding inspections in chronological order. Comply: Yes _____ No_____
26. The data acquisition system shall display unlimited images for an observation report and shall not be limited to two images: Comply Yes_____ No_____
27. The data acquisition system set up screen must be customizable to fit the particular set-up requirements of The City: Comply: Yes _____ No_____
28. The data acquisition system must be capable of logging continuous defects and nest various defects within the start and end of the continuous defect. Comply: Yes _____ No_____
29. The data system must be capable of burning DVD or CD media with a one-click simple path. The software should not use a third party software such as NERO to produce video / data on CD’s or DVD’s. Comply: Yes_____ No_____
30. The prospective supplier must own the rights to the software code. No third party software will be accepted: Comply: Yes_____ No_____
31. Truck 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. Comply: Yes_____ No_____
32. Supplier must have a dealership located in the state of Rhode Island or close by that stock parts, employs certified repair technicians, and stocks loaner equipment for the past five years. This facility will be audited before bid award: Comply Yes_____ No_____
33. The CCTV systems, components, sub-assemblies, and data acquisition software shall be engineered, designed, and manufactured in the USA. Comply Yes_____ No_____
34. Failure to state exceptions on any requirements will result in potential disqualification. Comply: Yes_____ No_____

Vehicle Equipment Scope:

Specifications for: Warwick, RI

1 Chevy 4500 HD Diesel CUT-A-WAY 158" WB 4X4 CHASSIS

- 1 Duramax 6.6L Turbo Diesel V-8
- 1 6-Speed Automatic Transmission with OD
- 1 15,000 lb. GVWR
- 1 158" Wheel Base
- 1 Cab Air Conditioner
- 1 AM / FM Radio
- 1 Block Engine Heater

Comply Yes_____ No_____

1 14' CARGO BOX WITH WALKTHRU

- 1 AeroCap with Walk Thru
- 1 2" X 6" Dense Pine Flooring
- 1 LED Light Package Includes Body Clearance and Stop / Tail / Turn
- 1 Full Width Barn Doors with CAM (Pipe) Locks on Each Door
- 2 Laminated Steel Lock
- 1 Kemlite Covering on Inside Rear Doors
- 1 Back Up Alarm

Comply Yes_____ No_____

1 SAFE ENTRY/EXIT BUMPER

- 1 Three (3) Steps Evenly Spaced
- 1 Bottom Step Folds Up for Ground Clearance
- 1 Safety Grab Handle

Comply Yes_____ No_____

1 BULKHEAD WALL BETWEEN CAB AND CONTROL ROOM

- 1 Door

Comply Yes_____ No_____

1 TV HIGH CUBE VAN EXTERIOR LIGHTING & CONTROL ROOM - EVOLUTION 3.0 TO INCLUDE:

- 2 Amber LED Strobe Warning Beacons
- 2 Adjustable LED Floodlights Rear of Vehicle Are Illumination Control Room Interior:
 - 1 Lonseal Lonplate Flooring
 - 1 Kemlite Wall & Ceiling Covering
 - 1 Bulkhead Wall with Passage Door From Control Room to Equipment Room
 - 1 Tinted Viewing Window in Bulkhead Wall
 - 1 Tinted Viewing Window in Bulkhead Door
 - 1 Above Desk Control Console with Rack Mount for Electronic Equipment
 - 1 Desktop / Work Area
 - 1 12V High Intensity LED Light Fixture
 - 2 Electrical Outlet with Dual Receptacles
 - 1 Fire Extinguisher with Bracket, 10BC Rating
 - 1 Operators Chair, Swivel with Casters
 - 1 Breaker Box Storage Area with Locking Positive Latch

Comply Yes_____ No_____

1 ROOF TOP AIR CONDITIONER, 13,500 BTU WITH HEAT STRIP

Comply Yes_____ No_____

1 CURBSIDE DOOR WITH FOLD-DOWN STEPS FOR EVO 3.0

Comply Yes_____ No_____

1 TV HI-CUBE VAN EQUIPMENT ROOM INTERIOR - EVOLUTION 3.0 TO INCLUDE:

- 1 Lonseal Lonplate Flooring
- 1 Kemlite Wall & Ceiling Covering
- 1 Electrical Outlet with Dual Receptacles
- 1 12V High Intensity LED Light Fixture
- 1 15 Minute Courtesy Timer Located at Rear Door Area for 12V LED Interior Lights

Comply Yes_____ No_____

1 20-GALLON WASHDOWN SYSTEM TO INCLUDE:

- 1 20-Gallon Fresh Water Tank
- 1 Electric Water Pump
- 1 Retractable Hose Reel with 25'Water Hose and Nozzle

Comply Yes_____ No_____

1 UPPER AND LOWER STORAGE CABINET IN EQUIPMENT ROOM

- 1 Lower Storage Cabinet / Work Top with Sink and Faucet
- 1 Upper Wall Mounted Storage Cabinet

Comply Yes_____ No_____

1 ADDITIONAL LIGHTING AND OUTLET

- 1 Light Mounted Above Work Top
- 1 Dual Receptacle Outlet Above Work Top

Comply Yes_____ No_____

1 TOOL CHEST, MODULINE, 5 DRAWER

Comply Yes_____ No_____

1 32" REAR FLAT SCREEN MONITOR MOUNTED IN BULKHEAD WALL

- 1 Flat Screen Monitor
- 1 Cable Assembly - Video Monitor to Monitor in Control Room
- 1 Electrical Outlet

Comply Yes_____ No_____

1 7000 WATT GAS ONAN GENERATOR

- 1 120 Volt 60 HZ 7000 Watt EFI (Electronic Fuel injection) Commercial Grade Generator
 - 1 Gasoline Powered
 - 1 Electric Start
 - 1 Air Cooled
 - 1 Generator Remote Start/Stop Cable assembly

Comply Yes_____ No_____

1 GENERATOR COMPARTMENT [UNDER CHASSIS MOUNT]

- 1 Generator Storage Compartment with Lockable External Access Door
- 1 Commercial Power Supply Receptacle, 25' Cord, and Plug
- 1 Electrical Supply Center with Circuit Breaker Box
- 1 Commercial power and Generator Power Connectors
- 1 Automatic Power Transfer Switch

Comply Yes_____ No_____

Equipment Scope:

1 SYSTEM ENGINEERING PANEL, FOR POWER INFORMATION AND GENERATOR FUNCTIONS, RACK MOUNTED, TO INCLUDE:

- 1 Four Function AC Power Meter displaying Critical Power Information including:
 - 1 Voltage
 - 1 Hertz
 - 1 Amperage
 - 1 Active Power (Watts)
- 1 Front panel Selector Switch for two modes of operation:
 - 1 Fixed reading
 - 1 Continuous Auto-cycling
- 1 Generator Battery Meter to Display Starting and Charging Voltage
- 1 Generator Hour Meter
- 1 Generator Remote Start/Stop Control Switch
- 1 On/Off Switch for Emergency Warning beacons (Switch to Illuminate When On)

Comply Yes_____ No_____

1 P&T ZOOM III M/C LED CAMERA

- 1 Solid State Color Sewer TV Camera
- 1 Pan & Rotate Camera Head, 40:1 Zoom Ratio, 10x Optical Zoom, 4x Digital Zoom
- 1 NTSC Color Standard with 4x Light Integration
- 1 4 X 5W Cluster LEDs for 6" through 72" lines
- 1 Camera Transportation and Storage Case

Comply Yes_____ No_____

1 BRASS COMP STEERABLE CAM TRANS, WHEELED -60V

- 1 Steerable Unit Designed to Turn 360 Degrees Within Its Own Radius
- 1 Set of Driven Rubber Wheels to Inspect 6" Pipe
- 1 Two (2) Speed Transmission to Maximize Torque in Large Diameter Pipe with:
 - 1 Manual Shifter on Camera Carrier
- 1 Unit Shall Have Forward, Free Wheel, and Power Reverse Capabilities
- 1 All Six (6) Wheel Drive Transporter Assembly to Include:
 - 1 Motor & Enclosed Drive Train
- 1 Tip Up Rear Connector

Comply Yes_____ No_____

1 8" RUBBER WHEEL KIT FOR COMPACT TRANSPORTER

Comply Yes_____ No_____

1 10-15" RUBBER WHEEL KIT FOR COMPACT TRANSPORTER

Comply Yes_____ No_____

1 6"-15"PIPE SPACER KIT

Comply Yes_____ No_____

1 12"-15" PNEUMATIC TIRE KIT FOR COMPACT TRANSPORTER

Comply Yes_____ No_____

1 6" STEEL 10/12 GR WHEEL KIT FOR COMPACT TRANSPORTER

Comply Yes_____ No_____

1 8" STEEL 10/12 GRIT WHEEL KIT, v2

Comply Yes_____ No_____

1 10-15" STEEL 10/12 GR WHEEL KIT FOR COMPACT TRANSPORTER

Comply Yes_____ No_____

1 1000' CABLE ASSEMBLY, M/C 12PIN METAL

- 1 1000'Gold Multi Conductor Kevlar Fiber Armored Combination TV Transmission/TowCable
- 1 .450 Diameter
- 1 Metal Splice Chamber with Pigtail
- 1 Cable Strain Relief

Comply Yes_____ No_____

1 TV REEL ASSEMBLY, MECHANICAL FOOTAGE FOR SUMMIT .450 CABLE

- 1 Black Thermoplastic Powder Coated Frame
- 1 Power Levelwind & Multi Ratio Manual Transmission
- 1 Footage Meter with Local Counter and Remote Electronic Counter
- 1 Transmission Control at Viewing Station
- 1 Local Reel Mount Electrical and Mechanical Control
- 1 Sealed Continuous Contact Collector Assembly
- 1 Removable Drip Pan for Cleaning

Comply Yes_____ No_____

1 AUTOMATIC PAYOUT SYSTEM FOR REEL - INSTALLED

Comply Yes_____ No_____

1 PCU ASSEMBLY [RACK MOUNT]

Comply Yes_____ No_____

1 CCU ASSEMBLY [RACK MOUNT]

- 1 Alpha Numeric Information Display, with Multi Paging and Defect Coding
- 1 Remote "QWERTY" Keyboard
- 1 On Screen Footage Display

Comply Yes_____ No_____

1 TEST CABLE

Comply Yes_____ No_____

1 8.7" MINI KEYBOARD

Comply Yes_____ No_____

1 BRACKET, LOGITECH CONTROLLER, K2

Comply Yes_____ No_____

1 WIRED USB CONTROLLER

- 1 Joystick Control for Pan and Tilt Zoom Camera to Include:
 - 1 360 Degree Rotate
 - 1 330 Degree Optical Pan
- 1 Joystick Control for All Steering Functions & Forward / Reverse

Directions for Transporter

- 1 Camera Lift Control for Optional Electronic Camera Lift
- 1 All Other Controls for Camera to Include:
 - 1 Camera Iris and Focus Override & Zoom
 - 1 Camera Lights & Shutter Control for Light Enhancement
 - 1 Camera Diagnostics & Auto Home
- 1 Cruise Control to Set Speed of the Transporter for Hands Off Operation
- 1 All Reel Controls to Include: Retrieve, Release, and Variable Speed [Excluding Dolly Systems]

Comply Yes_____ No_____

1 WIRELESS CONTROLLER

- 1 Joystick Control for Pan and Tilt Zoom Camera to Include:
 - 1 360 Degree Rotate
 - 1 330 Degree Optical Pan
- 1 Joystick Control for All Steering Functions & Forward / Reverse

Directions for Transporter

- 1 Camera Lift Control for Optional Electronic Camera Lift
- 1 All Other Controls for Camera to Include:
 - 1 Camera Iris and Focus Override & Zoom
 - 1 Camera Lights & Shutter Control for Light Enhancement
 - 1 Camera Diagnostics & Auto Home
- 1 Cruise Control to Set Speed of the Transporter for Hands Off Operation
- 1 All Reel Controls to Include: Retrieve, Release, and Variable Speed [Excluding Dolly Systems]

Comply Yes_____ No_____

**2 19" (MINIMUM) FLATSCREEN COLOR INDUSTRIAL TV MONITOR NTSC / PAL
COLOR STANDARDS**

Comply Yes_____ No_____

**1 [RACK MOUNT] COMPUTER W/Granite Net PREMIUM TO INCLUDE
(MINIMUM):* ****

- 1 Motherboard with Intel 8th Gen. LGA 1151 Socket; Intel Z370 Chipset
- 1 Intel Core i7-8700 Processor at 3.2 GHz
- 1 Intel UHD Graphics 630 with HDMI/DVI/VGA
- 1 8 GB DDR4 RAM, 2400 MHz
- 2 Intel Gigabit Network adapters
- 1 Intel AC 7265 Dual Band Wireless adapter; 802.11 a/b/g/n/ac
- 1 Bluetooth 4.2
- 6 USB 3.1 Gen 1 ports (4 rear, 2 front)
- 2 USB 3.1 Gen 2 ports (1 type A, 1 type C)
- 1 250 Gigabyte M.2 Solid State Drive
- 1 1 Terabyte SATA Hard Drive, 7200 RPM
- 1 DVD +/- RW Optical Drive
- 1 USB Video Capture Device for MPEG 1 / 2 / 4 / WMV
- 2 RS232 Serial Comm Ports
- 1 500 Watt 1U ATX Power Supply
- 1 Industrial Hardened Case Slim 2U Design for 19" Rack
- 1 Windows 10 Professional 64-bit Operating System
- 1 Granite Net Premium Software

*Spec for computers can change without notice

**International Configuration may vary to comply with the U.S. Department of Commerce,
Bureau of Industry & Security regulations on export of technology

Comply

Yes_____ No_____

1 USB BLACK COMPUTER KEYBOARD AND MOUSE

Comply

Yes_____ No_____

1 HP OFFICEJET COLOR PRINTER

Comply

Yes_____ No_____

1 Granite Net PREMIUM SOFTWARE SUPPORT PLAN

Comply

Yes_____ No_____

1 CONTROL UNIT WITH TEXT WRITING, OBSERVATION CODING, DIGITAL RECORDING AND INDUSTRIAL GRADE MONITOR IN AN INJECTION MOLDED ENCLOSURE TO INCLUDE:

- 1 8.4" industrial grade, optically bonded, sunlight viewable, monitor with anti-reflective properties and LED backlighting
- 1 Operator Interface with controls for all camera functions
- 1 Video Titleing to include multiple predefined and customizable screens
- 1 Digital video recording features video recording and playback and records screenshot picture images
- 1 A USB port for transferring digital video and still images directly from the MPlus+ Control Unit to a PC
- 1 Control Unit quick bracket mount for attaching to the coiler with hands free locking
- 1 System Interface connector features Video, Audio, distance counter quadrature and 12VDC outputs and a Video input
- 1 Built-in Li-Ion Battery with advanced charging technology for 4 hours of continuous use
- 1 Universal AC power input 85-264 volt AC, 50/60 Hz, or 12 Volt DC Power Source

Comply

Yes_____ No_____

1 STAINLESS STEEL COILER TO INCLUDE:

- 1 Heavy 18 gauge and corrosion resistance Stainless Steel construction
- 1 Adjustable height handle for portability with cam locks and button stops
- 1 Large 10" durable wheels for portability and a balanced footprint for stability
- 1 Quick-Connect allows Control Unit mounting with 3 axes adjustability
- 1 Adjustable coiler brake
- 1 Integral distance sensor

Comply

Yes_____ No_____

1 ACCESSORY KIT TO INCLUDE:

- 1 Sunshield for enhanced sunlight viewability
- 1 Interconnect cable for connecting the coiler to the control unit
- 1 AC power cord
- 1 Accessory bag for storage

Comply

Yes_____ No_____

1 200' MINI SYSTEM PUSH CABLE ASSEMBLY

- 1 Push Cable with Durable Hytrel Jacket and Advanced Fiberglass Rod

Comply

Yes_____ No_____

1 SELF-LEVELING COLOR CAMERA WITH BUILT-IN SONDE, NTSC TO INCLUDE:

- 1 1 1/2" Stainless Steel Camera head designed for 2" to 12" Pipe
- 1 512 Hz integral sonde
- 1 12 high intensity LED's

Comply

Yes_____ No_____

1 KIT,DOWNHOLE,STD

- 1 Top roller Assembly, Manhole, TV Only, Al
- 1 Claw Hook, Manhole Adapter, f/WT319
- 1 Hook Assembly, Retrieval (SNGL,SHTY/LMP/PR)
- 6 Pole Assembly, Retrieval / Downhole tl,58"
- 1 Roller Assembly, Invert f/ WT319

Comply

Yes_____ No_____

1 MULTI CONDUCTOR TV ONLY TOOL KIT

- 1 Milliamp meter Tool
- 1 Electrical Tape
- 1 Needle Nose Pliers
- 1 Six-In-One Screwdriver 1 6" Adjustable Wrench
- 1 Anti Seize Grease
- 1 9-Piece Allen Wrench kit
- 1 Solder Iron Kit
- 1 Pliers
- 1 5/32 T-Handle Hex Wrench

Comply

Yes_____ No_____

1 REDI EVALUATION KIT TO INCLUDE

- 1 Rugged Weather Proof Storage Case
- 1 Digital Hi-Resolution Wide Angle Web Camera
- 1 Diagnostic Test Box To Include:
 - 1 Voltage Test Points
 - 1 Built-In Mini Camera
- 1 Footage Test Box
- 1 Digital Multi-Meter
- 1 USB Diagnostic Tool
- 1 Video Cables And Adaptors

Comply

Yes_____ No_____

1 TRAINING, ON-SITE (TWO DAYS)

Comply

Yes_____ No_____

1 TRUCK DELIVERY

Comply

Yes_____ No_____

CITY OF WARWICK

BID AND CONTRACT FORM

TITLE OF SPECIFICATION: Bid2021-143 Video Inspection Vehicle & Equipment for Wastewater Gravity Line Condition Assessment

I. BID:

WHEREAS, the CITY OF WARWICK has duly asked for bids for performance of services and/or supply of goods in accordance with the above-indicated specifications.

The person or entity does irrevocably offer to perform the services and/or furnish the goods in accordance with the specifications, which are hereby incorporated by reference in exchange for the bid price.

This offer will remain open and irrevocable until the CITY OF WARWICK has accepted this bid or another bid on the specifications or abandoned the project.

The bidder agrees that acceptance by the CITY OF WARWICK will transform the bid into a contract. This bid and contract will be secured by Bonds, if required by the specifications.

Any and all bids for motorized vehicles shall include a provision that bidders provide responses that include pricing for alternative fuel arrangements in such motorized vehicles, such as, but not limited to E-85, hybrid and bio-diesel alternative fuel arrangements, if applicable.

Bidders are requested to provide responses that include pricing for alternative fuel arrangements in such motorized vehicles, such as, but not limited to E-85, hybrid and bio-diesel alternative fuel arrangements.

Pricing as Follows

Continued next page

PLEASE COMPLETE THIS PAGE & SUBMIT WITH YOUR BID

(PRICING SHEET MAY NOT BE CONFIDENTIAL)

Bid2021-143 Video Inspection Vehicle & Equipment for Wastewater Gravity Line Condition Assessment

VENDOR NAME: _____

Description	Bid
I. Truck	
Year	
Make	
Model	
Warranty	
<i>TOTAL COST FOR 1 VEHICLE</i>	\$
<i>Total Cost for Equipment</i>	\$
Delivery in Calendar Days ARO	