

Vendor Name: _____
 Payment Terms: _____
 F.O.B.: _____
 Delivery Date: _____
 Ship Via: _____
 Signature: _____

SHIP City of Oak Ridge - Materials Management
 TO 100 Woodbury Lane / P.O. Box 1
 Oak Ridge, TN 37830
 (865) 425-1819 FAX (865) 482-8475
 Lyn Majeski lmajeski@oakridgetn.gov

 Ordered - 03/12/15 Freight - Default - Handling Code
 Requested - 04/14/15 Taken By -
 Delivery - Deliveries are accepted 8 a.m. TO 3 p.m.

Description / Supplier Item	UM	Unit Cost	Extension
PORTABLE VIDEO INSPECTION SYSTEM PER SPECIFICATIONS ATTD *** SPECIFICATIONS ARE FOR A NEW CUES PORTABLE VIDEON INSPECTION SYSTEM *** COMPUTER PROVIDED MUST BE COMPATIBLE WITH CITY OF OAK RIDGE INFORMATION SERVICES DEPARTMENT ***** ***** COR INFORMATION ONLY: ADDTITION TO FLEET	1	EA	EA

 Total Order

March 16, 2015

Via E-Mail: rirwin@corn.org

Rick Irwin
City of Oak Ridge
100 Woodbury Lane
Oak Ridge, TN 37830

RE: CUES K2 Summit Base Station CCTV System Quotation

Rick,

In pursuance to your request for information in regards to the K2 Summit Base Station CCTV system, the following quotation and equipment list are submitted for your review and consideration.

In summary the equipment to be provided includes a new K2 Summit Base Station CCTV system with enclosure to be customer mounted on customer supplied Kubota ATV and Honda 2kw generator; OZIII series PT camera; WTR series non-steerable wheeled tractor for 6"-24" pipelines; 1,000' gold cable assembly with auto payout cable reel; Granite XP system to include rack mount PC with GXP Inspection edition software; ERSI and NASSCO modules; enhanced software support plan; and unit delivery to TN.

- **CUES K2 Summit Base Station CCTV System**

Price: \$99,980

Terms: Net 30

Delivery: 60-90 Days ARO

We sincerely thank you for your inquiry and interest in CUES products! If I can be of any further assistance please do not hesitate to contact me at 1-800-327-7791, ext. 445.

Best Regards,

Kevin Jordan
CUES Regional Sales Manager
800-327-7791 ext. 445
615-854-4220 cell
kevinj@cuesinc.com

"The Standard of the Industry"



3600 Rio Vista Avenue
Orlando, Florida 32805
(407) 849-0190
(407) 425-1569 (Fax)
(800) 327-7791

Corporate Office:

3600 Rio Vista Avenue, Orlando, FL 32805 • Telephone (407) 849-0190 / (800) 327-7791 • Fax (407) 425-1569

CITY OF OAK RIDGE, TENNESSEE
Specifications for New CUES
PORTABLE VIDEO INSPECTION SYSTEM
(K2 Base Station Camera System)
RFQ #: 143040

1 Customer Supplied Kubota ATV

1 Base Station .450 Cable and Fork Lift Portable Video Inspection System Reel Generator and Enclosure

- 1 Operates Entire Product Line of Wheeled and Trac Transporters for 6" to 200" Pipe
- 1 Operates Entire Product Line of Pan and Tilt Zoom Cameras Made by the Manufacturer
- 1 Pull - Out Tray for Keyboard
- 1 Electronic Components Storage Drawer
- 1 Transporter / Camera Storage Drawer - Mounted Under TV Cable Reel
- 1 Wireless Control of All Camera, Transporter, and Reel Functions
- 1 Rack Mounted Controllers, TV Monitor, and Power Control to Maximize Ergonomic Operation
- 1 Rack "Shock Isolators" To Prevent Equipment Damage From Jarring and Vibrations
- 1 Sealed Front Door Functions as an Awning When In the Open Position
- 1 Easy Access to Service and Maintain the Unit Via Removable Panels
- 1 Constructed of Protective Aluminum Sheets and Industrial Grade Weather Resistant Paint
- 1 Water-Tight Enclosure to Protect All Components
- 1 Reel Assembly with Auto Payout and Automatic Levelwind
- 1 Forklift Skids
- 1 Provide ATV Front Mount for customer supplied 2Kw Generator – (customer will self install)

1 Cable, Test, Portable 2

1 8.7" Mini Keyboard

1 Customer Supplied 2.0KW Generator (portable) to Include:

- 1 110-Volt 60Hz 2000-Watt (Minimum) Commercial Grade Generator, Gas

1 P & T Zoom III M/C 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, 4x Light Integration
- 1 Camera Lighting System, Built In for 6" Relined thru 48" Pipe
- 1 Camera Transportation and Storage Case

1 Self-Propelled Non-Steerable Compact Wheeled Camera Transporter with Ability to Add Tracks, to Include:

- 1 Unit Shall Have Forward, Free Wheel, and Power Reverse
- 1 Set of Driven Rubber Wheels to Inspect 6" Pipe
- 1 All Six (6) Wheel Drive Transporter Assembly to Include:
 - 1 Motor & Enclosed Drive Train

1 8" Rubber Wheel Kit for Compact Transporter

1 10-15" Rubber Wheel Kit for Compact Transporter

1 18" - 24" Compact Wheeled Transporter Extension Kit

1 Kit, Tire, Pneumatic, 12"+ Pipe, Compact Transporter

1 1000' Cable Assembly, M/C 12Pin Metal

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

2 19" Multimedia LCD Monitor

1 PCU Assembly [Rack Mount]

1 CCU Assembly [Rack Mount]

- 1 Alpha Numeric Information Display, with Multi Paging and Defect Coding
- 1 Remote "QWERTY" Keyboard for Data Entry
- 1 On Screen Footage Display
- 1 WRC and PACP Codes

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]

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
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- 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]

1 8.7" Mini Keyboard

1 [Rack Mount] Computer W/Data Collection Software To Include (Minimum):

- 1 Motherboard with 1155 Socket and Intel Z87 Chipset
- 1 Intel Core i7-4770K Haswell 3.5 GHz Quad-Core Processor
- 1 8GB (2x4GB) 240-pin of DDR3 1600 SDRAM
- 2 LAN, On Board Network Connections, 10 / 100 / 1000 Mbps
- 6 USB 2.0 Ports (4 on Rear, 2 on Front)
- 6 USB 3.0 Ports (6 on Rear)
- 2 RS232 Serial Comm Ports
- 1 Bluetooth v4.0 / v3.0 + HS
- 1 WiFi IEEE 802.11 a/b/g/n
- 1 On Board Sound
- 1 DVD + / - RW DVD Burner 20x / CD - RW 40x Internal
- 1 1 TB (7,200 RPM) SATA Hard Drive
- 1 120 GB Solid State Drive, SATA3
- 1 400 Watt 1UEPS 80 PLUS Server ATX Power Supply
- 1 USB Video Capture Device for MPEG 1 / 2 / 4 / WMV
- 1 1GB 64-bit DDR3 PCI Express Video Card
- 1 Industrial Hardened Case Slim 2U Design for 19" Rack
- 1 Windows 7 Professional 64-bit Operating System
- 1 Granite XP Inspection Edition Version x.x Software
- 1 User Guide - Hard Copy
- 1 User Guide - CD

1 USB Black Computer Keyboard and Mouse

1 Change Hard Drive to Solid State

1 ESRI GIS MODULE SOFTWARE

*Subject to prior confirmation between Customer IT Resource and Cues Software Development Division.

1 ARCGIS Runtime Engine Software

1 PACP Module Software

1 Enhanced Support Plan for Software

1 UPS to Include the Following:

- 1 Input 120-Volt / Output 120-Volt
- 1 Cord Management Straps

1 10 Gallon Portable Washdown Pump Spray System

1 Manhole Toproller Assembly, TV Only

1 Manhole Adapter Claw Hook

6 Retrieval/Downhole Pole Assembly

1 Invert Roller Assembly

1 Retrieval Hook

1 Base Station Delivery

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K2 Summit **Wireless** Base Station Portable Video Inspection System



FEATURES & BENEFITS

- Wireless control of all camera, transporter, and reel functions
- Enables operation of the system remotely from any angle up to 100 ft.
- Compact, lightweight, rugged, weatherproof enclosure
- Can fit into a pick up truck, ATV, or Van
- Partition separates the video cable reel with tractor and camera storage from the power control unit, monitor, and optional computer based data acquisition system
- All controllers, TV monitor, and power control are rack mounted to maximize ergonomic operation and protected by a sealed and lockable hatch
- The racks are mounted with shock-isolators to prevent equipment damage from jarring and vibrations
- Sealed front door is hinged, supported by a gas shock, and functions as an awning in the open position
- Easy access to service and maintain the unit via removable panels
- Operates all CUES wheeled and tracked transporters to accommodate 6"- 200" pipe inspection!
- Operates all CUES pan and tilt zoom cameras with optional built in inclinometer or built-in sonde
- Available with CUES laser pipe profiling system
- The K2 Base Station is covered with protective aluminum sheets and industrial grade weather resistant paint
- Built-in camera and camera transporter storage
- Rubber seals, gaskets, and aluminum water-tight enclosure to protect all components
- Optional heavy duty welded lifting eyelets or forklift skids available for quick deployment or removal from an ATV or truck
- Optional automatic video cable payout on the reel to maximize transporter pull distance
- Optional laser-based precision measurement system to accurately measure offset joints, cracks, and joint separations in sanitary or storm sewers

 ***Mount in an ATV, Pick-up Truck, or Van!***

 ***Provides Maximum Protection via an Enclosed Video Inspection System!***

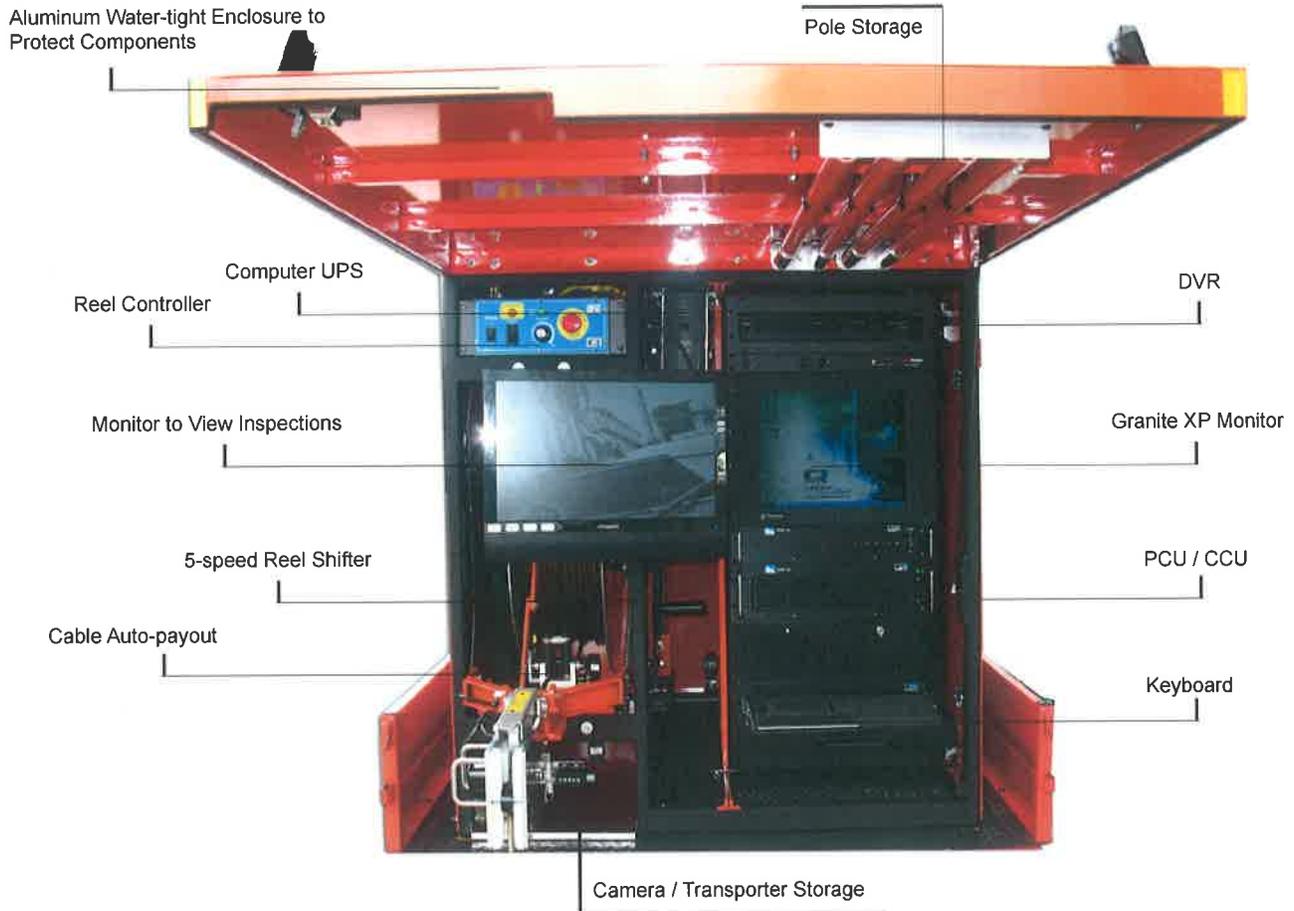
 ***Versatile, Mobile, Rugged and Economical!***



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K2 Summit **Wireless** Base Station Portable Video Inspection System



The system equipment can be configured based on your needs!



Made in USA

Your **1-Stop** Shop

www.cuesinc.com

800.327.7791

salesinfo@cuesinc.com