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**"The Standard of the Industry"**



## **Pricelist**

**March 3, 2016**

**Contract No. 800489**

**Index No. STS670**

**CUES**  
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Specifications for:

Ohio STS 670  
Contract No.: 800489

**Pole Mounted Camera Inspection System  
Base Unit**

| <b>Manufacturer</b> | <b>Model</b>   | <b>Description</b>  | <b>Price</b>      |
|---------------------|----------------|---|-------------------|
| <b>CUES</b>         | <b>QC350-1</b> | <b>Lite Stick Pole Camera</b>   | <b>\$7,004.00</b> |
|                     | <b>1</b>       | <b>Pole Camera Assembly, Wireless System to include:</b>                          |                   |
|                     | 1              | Color / IR Camera with Aluminum Anodized Camera Case                              |                   |
|                     | 1              | 12 LED / IR (Infrared) Light ring with Auto Switching Sensor                      |                   |
|                     | 1              | Inspection Pole, 6 1/2' - 18' Lengths with Disconnect for Camera Head             |                   |
|                     | 1              | Camera Mount Assembly with Swivel Adjustment                                      |                   |
|                     | 2              | Rechargeable Batteries  |                   |
|                     | 1              | Built In Wireless Transmitter and Battery Holder                                  |                   |
|                     | 1              | Battery Charger   |                   |
|                     | 1              | Instruction Sheet   |                   |
|                     | <b>1</b>       | <b>VEST &amp; BATTERY KIT FOR POLE CAMERA TO INCLUDE:</b>                         |                   |
|                     | 1              | ANSI / ISEA 107-2004 Class 2 Adjustable Hi-Visibility Safety / Battery Vest with: |                   |
|                     |                | 1 Padded Shoulder Supports  |                   |
|                     | 1              | Digital Media Case with Adjustable Sun Shade                                      |                   |
|                     | 1              | Rechargeable Battery  |                   |
|                     | 1              | Battery Charger   |                   |

**An eleven (11) percent discount will be applied to all above pricing after final configuration is determined**



Specifications for:

Ohio STS 670  
Contract No.: 800489

**Pole Mounted Camera Inspection System  
Optional Equipment**

| <b>Manufacturer</b> | <b>Model</b> | <b>Description</b>   | <b>Price</b> |
|---------------------|--------------|--|--------------|
| CUES                | QE341-12     | LCD Display with wireless receiver                           | \$2,825.00   |
| CUES                | QE911        | Vest & Battery Kit for Pole Camera                           | \$1,160.00   |
| CUES                | QE341-16     | DV-SD Unit & LCD Display for Wireless                        | \$4,263.00   |
| CUES                | QE341-16HB   | DV-SD Unit & High Brite Display for Wireless                 | \$4,563.00   |
| CUES                | QC913-1      | Wireless to Existing or New TV Unit                          | \$662.00     |
| CUES                | DP603-1      | USB Video/Picture Capture to Laptop<br>(Laptop NOT Included) | \$1,026.00   |
| CUES                | QE341-12HB   | High Brite Display with wireless receiver                    | \$3,158.00   |
| CUES                | QE924        | DV-SD Assembly   | \$1,382.00   |

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Specifications for:

Ohio STS 670  
Contract No.: 800489

**Pole Mounted Camera Inspection System ZOOM Capabilities  
Base Unit**

| <b>Manufacturer</b> | <b>Model</b> | <b>Description</b>  | <b>Price</b>       |
|---------------------|--------------|---|--------------------|
| <b>CUES</b>         | <b>QE910</b> | <b>Quick Zoom Pole Camera</b>   | <b>\$14,896.00</b> |
|                     | <b>1</b>     | <b>5.8' - 24.5' (1.768m - 7.4676m) POLE MOUNTED CAMERA WITH ZOOM TO INCLUDE:</b>  |                    |
|                     | 1            | Compact High Resolution Zoom Camera Assembly with:                                |                    |
|                     | 1            | 420:1 (35 Optical / 12 Digital) Zoom  |                    |
|                     | 1            | Built In Light Enhancement for Viewing in Ultra Low Light Conditions              |                    |
|                     | 1            | Camera Video Module w/ User Selectable Built In Video Image Stabilization         |                    |
|                     | 2            | Dual Wattage High Intensity Discharge Lights (9.5 w and 14 w)                     |                    |
|                     | 1            | Carbon Fiber Telescoping Pole 5.8' - 24.5' (1.768m - 7.4676m) with:               |                    |
|                     | 1            | Low Profile Lock handles  |                    |
|                     | 1            | One (1) Hand Pole Adjustment  |                    |
|                     | 1            | Hand Control Unit for Lights and camera Functions                                 |                    |
|                     | 1            | Camera Mount Assembly with Swivel Adjustment                                      |                    |
|                     | 1            | Video / Power Cable Assembly  |                    |
|                     | 1            | Calibrated Pipe Diameter Guide with Spring Stabilizer Rod                         |                    |
|                     | 1            | Padded Lockable Storage Case with Rollers and Extend Handle                       |                    |
|                     | <b>1</b>     | <b>VEST &amp; BATTERY KIT FOR POLE CAMERA TO INCLUDE:</b>                         |                    |
|                     | 1            | ANSI / ISEA 107-2004 Class 2 Adjustable Hi-Visibility Safety / Battery Vest with: |                    |
|                     | 1            | Padded Shoulder Supports  |                    |
|                     | 1            | Digital Media Case with Adjustable Sun Shade                                      |                    |
|                     | 1            | Rechargeable Battery with AC/DC charger   |                    |

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Specifications for:

Ohio STS 670  
Contract No.: 800489

**Pole Mounted Camera Inspection System ZOOM Capabilities  
Optional Equipment**

| <b>Manufacturer</b> | <b>Model</b> | <b>Description</b>  | <b>Price</b> |
|---------------------|--------------|---|--------------|
| CUES                | QE341        | LCD Display only  | \$2,325.00   |
| CUES                | QE341-14     | LCD Display only w/ wireless Transmitter                          | \$2,786.00   |
| CUES                | QE341-6      | LCD Display w/ Video Transfer Device                              | \$3,564.00   |
| CUES                | QE341-15     | LCD Display w/ Video Transfer Device and Wireless Transmitter     | \$4,282.00   |
| CUES                | TR1955       | Wireless 2.4GHz Kit   | \$1,100.00   |
| CUES                | QE312        | Tri-pod   | \$1,214.00   |
| CUES                | EC2229-2     | Transmitter for stand alone to TV unit                            | \$143.00     |
| CUES                | EC1737       | 9-15 Cell Battery charger   | \$82.00      |
| CUES                | EC1650       | Spare Lamp  | \$150.00     |
| CUES                | QE325        | Spare Battery   | \$470.00     |
| CUES                | QE326        | Wide Angle Lens   | \$696.00     |
| CUES                | QEDDD        | Distance, Depth and Diameter measurement                          | \$877.00     |
| CUES                | EC1779       | Spare 16GB Flash Drive  | \$137.00     |
| CUES                | SHOT         | Photo Plus Still Shot Software                                    | \$390.00     |
| CUES                | QE311        | Pressurization Kit  | \$653.00     |
| CUES                | DP603-1LS    | USB Video/Picture Capture to Laptop (Laptop NOT Included)         | \$1,026.00   |
| CUES                | QE310opt     | 34.6' Carbon Fiber Telescoping Pole in lieu of 24.5' Pole in base | \$1,129.00   |

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Specifications for:

Ohio STS 670  
Contract No.: 800489

**Portable, Battery Powered Small Diameter Pipe TV Inspection System  
Base Unit**

| <b>Manufacturer</b> | <b>Model</b> | <b>Description</b>                                | <b>Price</b> |
|---------------------|--------------|---|--------------|
| CUES                | MP2020       | Portable Small Diameter Pipe TV Inspection System | \$7,680.00   |

**Mini Push 2020**

**1 PORTABLE PUSH SYSTEM [BASE UNIT]**

Combination Color Mini-Camera Control System/Monitor (85-264 volt AC, 50/60 Hz, or 12 volt DC power source) mounted in an Aluminum Housing to include:

- 1 6.4" (162.56mm) Color Display Monitor with Anti Glare Screen
- 1 Control Unit with Connecting Jack for Video in and Video Out
- 1 Built In 12-Volt Battery and Battery Charger
- 1 Wheeled Coiler Assembly
- 1 Electronic Footage Meter
- 1 Mini Titler Video Display System with Electronic Footage Meter
  - 1 Three Modes of Operation: Distance, Edit, & Free Format
- 1 Built In Keypad for Titling and Set Up Functions

**1 200' (30.48m) MINI SYSTEM PUSH CABLE ASSEMBLY**

**1 MINI CAMERA III**

- 1 Small Diameter Solid State Color Camera (1.5" Diameter Maximum, 3.5" Length, Maximum)
- 1 NTSC Standard with Built In Light ring to Include:
  - 1 Light System for 2" to 8" Pipe
  - 1 Twelve (12) Solid State White LED's (Minimum)

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Specifications for:

Ohio STS 670  
Contract No.: 800489

**Portable, Battery Powered Small Diameter Pipe TV Inspection System  
Optional Equipment**

| <b>Manufacturer</b> | <b>Model</b> | <b>Description</b>  | <b>Price</b> |
|---------------------|--------------|---|--------------|
| CUES                | Narrow       | 10" Tires mounted on Narrow side                            | \$1,933.00   |
| CUES                | CM042        | Guide Ball 6-8"   | \$268.00     |
| CUES                | 062000       | Hand held Microphone  | \$126.00     |
| CUES                | CM324        | MC Translator, Coiler to Truck System                       | \$335.00     |
| CUES                | EC1006       | SC Adapter cable for Coiler to Truck System                 | \$356.00     |
| CUES                | EC004        | Translator coiler to<br>Single-Conductor Mainline           | \$3,299.00   |
| CUES                | CM314-2      | Wireless Transmission Kit                                   | \$737.00     |
| CUES                | TR1955       | Wireless Receiver to work with Wireless<br>Transmission Kit | \$1,100.00   |
| CUES                | DP274        | Mini Keyboard   | \$101.00     |
| CUES                | CM920        | Push Cable end Kit & Spring                                 | \$561.00     |
| CUES                | HC329        | 6" Adjustable wheeled skate                                 | \$1,099.00   |
| CUES                | HC149        | Mini Camera III Plastic Adapter                             | \$204.00     |
| CUES                | HC335        | 8-15" Adjustable wheeled skate                              | \$1,162.00   |
| CUES                | TR2395       | Universal Roller Skid 6-12" Pipe                            | \$929.00     |
| CUES                | CH906        | Large Pipe Roller Skid Set                                  | \$967.00     |
| CUES                | HC508        | Mini Camera III Adapter Tube                                | \$775.00     |
| CUES                | MS316        | Digital Locator Kit for Use with Built-In Sonde             | \$2,349.00   |
| CUES                | 300654       | Tiger Tail  | \$179.00     |
| CUES                | TR890        | Portable System mount                                       | \$195.00     |
| CUES                | 471100       | Down Hole Guide System                                      | \$559.00     |
| CUES                | CS402        | Tag Along Sonde for Mini Camera                             | \$1,410.00   |

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Specifications for:

Ohio STS 670  
Contract No.: 800489

**Portable, Battery Powered Small Diameter Pipe TV Inspection System  
Optional Equipment**

| <b>Manufacturer</b> | <b>Model</b>  | <b>Description</b>   | <b>Price</b>    |
|---------------------|---------------|--|-----------------|
| CUES                | QE341-HB      | High Brite Display only  | \$2,658.00      |
| CUES                | QE341         | LCD Display only   | \$2,358.00      |
| CUES                | MS327         | Locator Kit for Use with Built-In Sonde  | \$3,097.00      |
| CUES                | CR320         | MP2020 Hybrid Coiler w/ 400' cable   | \$5,293.00      |
| CUES                | Sonde         | Built-In Sonde for Mini Camera   | \$715.00        |
| CUES                | Auto up right | Auto Upright for Mini Camera   | \$1,103.00      |
| CUES                | PS310         | Spare PSIII Camera   | \$4,010.00      |
| CUES                | CR010         | Add Additional Cable to Wheeled Coiler<br>Base system contains 100' – available in 100'<br>Increments only up to a total of 400' | \$8.50 per Foot |
| CUES                | CM921         | Video transfer device  | \$1,674.00      |
| CUES                | CM300-2       | Coiler No Cable or Monitor   | \$4,900.00      |
| CUES                | CM012-7       | 400' of .250 diameter push rod   | \$5,305.00      |
| CUES                | Training      | TV Inspection Equipment Training (per Day)   | \$726.00        |

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Specifications for:

Ohio STS 670  
Contract No.: 800489

**Portable Lateral & Mini-Mainline Push System  
Base Unit**

| Manufacturer | Model  | Description                                  | Price       |
|--------------|--------|--|-------------|
| CUES         | MPlus+ | Portable Lateral & Mini-Mainline Push System | \$13,445.00 |

**MPlus+**

- 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 Titling 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
  
- 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
  
- 1 100' MINI SYSTEM BLUE PUSH CABLE ASSEMBLY**
  - 1 Push Cable with Durable Hytrel Jacket and Advanced Fiberglass Rod
  
- 1 MP+ ACCESSORY KIT**
  
- 1 HIGH POWER MINI CAMERA III W/BUILT-IN SONDE AUTO UPRIGHT**
  - 1 Small Diameter Solid State Color Camera (1.5" Diameter Maximum, 3.0" Length, Maximum)
  - 1 NTSC Standard with Built In Light ring to Include:
    - 1 Light System for 2" to 12" Pipe
    - 1 Twelve (12) Solid State White LED's (Minimum)
  - 1 Built In Transmitter, 512 Hz

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Specifications for:

Ohio STS 670  
Contract No.: 800489

**Portable Lateral & Mini-Mainline Push System  
Optional Equipment**

| <b>Manufacturer</b> | <b>Model</b> | <b>Description</b>   | <b>Price</b>    |
|---------------------|--------------|--|-----------------|
| CUES                | CR010        | Add Additional Cable to Wheeled Coiler<br>Base system contains 100' – available in 100'<br>Increments only up to a total of 400' | \$8.50 per Foot |
| CUES                | CM024        | Translator, Coiler to MC Truck System  | \$276.00        |
| CUES                | CM324        | MC 12 pin Translator, Coiler to Truck System   | \$335.00        |
| CUES                | CM042        | Guide Ball 6-8"  | \$268.00        |
| CUES                | 062000       | Hand held Microphone   | \$126.00        |
| CUES                | EC1006       | SC Adapter cable for Coiler to Truck System  | \$356.00        |
| CUES                | EC004-1      | Translator coiler to Single-Conductor Mainline   | \$3,299.00      |
| CUES                | CM314-2      | Wireless Transmission Kit  | \$737.00        |
| CUES                | QC913-3      | Wireless Receiver to work with Wireless<br>Transmission Kit  | \$1,100.00      |
| CUES                | TR2395       | Universal Roller Skid 6-12" Pipe   | \$929.00        |
| CUES                | CH906        | Large Pipe Roller Skid Set   | \$967.00        |
| CUES                | MS316        | Digital Locator Kit for Use with Built-In Sonde  | \$2,349.00      |
| CUES                | MS319        | Analog Locator Kit for Use with Built-In Sonde   | \$1,239.00      |
| CUES                | TR890        | Portable System mount  | \$195.00        |
| CUES                | 471100       | Down Hole Guide System   | \$559.00        |
| CUES                | CS402        | Tag Along Sonde for Mini Camera  | \$1,410.00      |

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Specifications for:

Ohio STS 670  
Contract No.: 800489

**Portable Lateral & Mini-Mainline Push System  
Optional Equipment**

| <b>Manufacturer</b> | <b>Model</b>  | <b>Description</b>   | <b>Price</b> |
|---------------------|---------------|--|--------------|
| CUES                | MS327         | Locator Kit for Use with Built-In Sonde  | \$3,097.00   |
| CUES                | SR300-11      | Spare Camera auto up-right & built in Sonde                                    | \$5,758.00   |
| CUES                | Sonde         | Built-In Sonde for Mini Camera   | \$714.00     |
| CUES                | Auto up right | Auto Upright for Mini Camera   | \$1,103.00   |
| CUES                | CH062         | Debris Bag   | \$53.00      |
| CUES                | CH901         | Kit, Line Post   | \$309.00     |
| CUES                | TR2409        | Soft truck mount for MP+   | \$521.00     |
| CUES                | MS350         | Line Transmitter Buzz box  | \$1,160.00   |
| CUES                | MS316         | Digital locator  | \$2,349.00   |
| CUES                | CH352         | Cable to operate MP+ with MC truck   | \$248.00     |
| CUES                | CH350         | GNET Translator w/ video & footage   | \$2,052.00   |
| CUES                | CH305         | MP Plus+ with Pan & Tilt camera 200'<br>Push cable in lieu of MP Plus+ in base | \$23,258.00  |

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Specifications for:

Ohio STS 670  
Contract No.: 800489

**Portable Mainline and Small Diameter Pipe TV Inspection System  
Base Unit**

| Manufacturer | Model | Description | Price       |
|--------------|-------|-------------|-------------|
| CUES         | K-2   |             | \$53,000.00 |

**Portable Mainline and Small Diameter Pipe  
TV Inspection System for the Inspection of 6”  
and Larger Mainline sanitary sewers**

**K-2 Iggy Portable Mainline TV Inspection System**

**1 P&T ZOOM II 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,
- 1 Camera Transportation and Storage Case

**1 21" TRAC TRANSPORTER M/C TO INCLUDE:**

- 1 6" Track Transporter with Freewheel and Powered Reverse
- 1 Y Eliminator

**1 8"-15" EXTENDERS FOR 21" TRAC TRANSPORTER**

**1 SPARE PARTS KIT FOR TRAC TRANSPORTER TO INCLUDE:**

- 1 Additional Chain Links and Rubber Cleats

**1 12/5/4 ADAPTER CABLE**

**1 PCU ASSEMBLY, NTSC**

Combination Color Camera Control System / Monitor (110 VAC or 220 VAC, 50 Hz or 60 Hz, NTSC or PAL)

- 1 Mounted in Transportation Cabinet
- 1 10" Flat Screen Monitor & Set of Connecting Jacks for Video In and Video Out
- 1 Integral Data Display System to Include:
  - 1 Alpha Numeric Information Display & Multi Paging and Defect Coding
  - 1 Remote "QWERTY" Keyboard for Data Entry with 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]



Specifications for:

Ohio STS 670  
Contract No.: 800489

| Manufacturer | Model    | Description   | Price |
|--------------|----------|---|-------|
|              | <b>1</b> | <b>1000' CABLE ASSEMBLY, M/C 12PIN METAL</b>  |       |
|              | 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   |       |
|              | <b>1</b> | <b>CABLE, TEST, PORTABLE 2</b>  |       |
|              | <b>1</b> | <b>WHEELED DOLLY, 110V TO INCLUDE:</b>  |       |
|              | 1        | Electric Motor Rewind   |       |
|              | 1        | Hand Crank  |       |
|              | 1        | Automatic Level wind  |       |
|              | 1        | Electronic Footage Meter  |       |
|              | <b>1</b> | <b>PCU ENCLOSURE FOR DOLLY TO INCLUDE</b>   |       |
|              | 1        | Gooseneck Microphone  |       |
|              | 1        | Mini Keyboard   |       |
|              | 1        | Power Cable   |       |
|              | <b>1</b> | <b>TIGER TAIL</b>   |       |
|              | <b>1</b> | <b>MANHOLE TOPROLLER ASSEMBLY, TV ONLY</b>  |       |
|              | <b>3</b> | <b>RETRIEVAL/DOWNHOLE POLE ASSEMBLY</b>   |       |
|              | <b>1</b> | <b>RETRIEVAL HOOK</b>   |       |
|              | <b>2</b> | <b>DAYS TRAINING, ON-SITE (TWO DAYS)</b>  |       |

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Specifications for:

Ohio STS 670  
Contract No.: 800489

**Portable Mainline and Small Diameter Pipe TV Inspection System  
Optional Equipment**

| <b>Manufacturer</b> | <b>Model</b> | <b>Description</b>   | <b>Price</b>       |
|---------------------|--------------|--|--------------------|
| CUES                | MD330        | <b>K-2 Auto Payout Reel in lieu of Iggy dolly</b><br>Electric Motor Rewind<br>Automatic Payout Feature for Video / Power Cable<br>Automatic Level wind<br>Electronic Footage Meter<br>Mounting Frame for Power Control Unit<br>Must Accommodate Optional Wheeled Frame for Easy Transport<br>Must Accommodate Optional Handle for Easy Transport | <b>\$10,465.00</b> |
| CUES                | WM305        | <b>1000' Platinum Cable for auto payout reel in lieu of</b>  | <b>\$693.00</b>    |
| CUES                | MD906        | <b>PCU Case for auto payout reel in lieu of</b>  | <b>\$2,995.00</b>  |
| CUES                | MD633        | <b>Wireless controller</b>   | <b>\$205.00</b>    |
| CUES                | MD313        | <b>Easement Arm Assembly for Truck Mount<br/>Auto payout reel</b>  | <b>\$3,138.00</b>  |
| CUES                | DS008        | <b>Dolly Truck Mount</b>   | <b>\$550.00</b>    |
| CUES                | VR007        | <b>Wheeled down hole Guide Tube</b>  | <b>\$1,111.00</b>  |
| CUES                | 300654       | <b>Down hole Guide tube</b>  | <b>\$179.00</b>    |
| CUES                | 500090       | <b>30" Manhole hook</b>  | <b>\$83.00</b>     |
| CUES                | Clutch       | <b>Dolly electric clutch w/ hand held controller<br/>Upgrade for Iggy dolly</b>  | <b>\$3,338.00</b>  |
| CUES                | QE100-1      | <b>Photo Still Shot w/ flash drive</b>   | <b>\$554.00</b>    |
| CUES                | MD933        | <b>Video transfer device for K-2 system</b>  | <b>\$1,721.00</b>  |
| CUES                | MZ904        | <b>Adapter Tube for OZIII</b>  | <b>\$2,642.00</b>  |

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Specifications for:

Ohio STS 670  
Contract No.: 800489

Portable Mainline and Small Diameter Pipe TV Inspection System  
Optional Equipment

| Manufacturer | Model   | Description               | Price    |
|--------------|---------|---------------------------|----------|
| CUES         | MD332-1 | 16' Cable to Control Unit | \$519.00 |
| CUES         | MD332-2 | 25' Cable to Control Unit | \$577.00 |
| CUES         | MD310-1 | 15' Video Umbilical       | \$475.00 |
| CUES         | MD310-2 | 30' Video Umbilical       | \$772.00 |
| CUES         | MD309-1 | 15' Footage Umbilical     | \$462.00 |
| CUES         | MD309-2 | 30' Footage Umbilical     | \$566.00 |

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Specifications for:

Ohio STS 670  
Contract No.: 800489

**Portable Mainline and Small Diameter Pipe TV Inspection System  
Base Unit**

| <b>Manufacturer</b> | <b>Model</b> | <b>Description</b> | <b>Price</b> |
|---------------------|--------------|--------------------|--------------|
| CUES                | Mark3        |                    | \$57,000.00  |

**Portable Mainline and Small Diameter Pipe  
TV Inspection System for the Inspection of 6”  
and Larger Mainline sanitary sewers**

**Mark3 Portable Mainline TV Inspection System**

- 1 P&T ZOOM 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 with 4x Light Integration
  - 1 Camera Lighting System for 6" through 72" lines
  - 1 Camera Transportation and Storage Case
  
- 1 21" TRAC TRANSPORTER M/C TO INCLUDE:**
  - 1 6" Track Transporter with Freewheel and Powered Reverse
  - 1 Y Eliminator
  
- 1 8"-15" EXTENDERS FOR 21" TRAC TRANSPORTER**
  
- 1 SPARE PARTS KIT FOR TRAC TRANSPORTER TO INCLUDE:**
  - 1 Additional Chain Links And Rubber Cleats
  
- 1 K3 PCU ASSEMBLY, NTSC**  
Combination Color Camera Control System / Monitor (110 VAC or 220 VAC, 50 Hz or 60 Hz, NTSC or PAL)
  - 1 Mounted in Weather proof Transportation Cabinet
  - 1 10" Flat Screen Monitor
  - 1 Built in SD Card for digital Recording supplied with a 16 Gigabyte card
  - 3 USB Connections for hand control, thumb drive for updating, Microphone or keyboard
  - 1 Operation of all Cues Cameras to include digital side scanning and all Cues transporters
  - 1 Integral Data Display System to Include:
    - 1 Alpha Numeric Information Display & Multi Paging and Defect Coding
  
- 1 K3 PCU EXT. CASE KIT, 110V**
  - 1 Weather proof case with customized keypad for titling
  - 1 Removable for operation remotely up to 20 feet away from system
  - 1 Hardware to Facilitate Mounting on Top of Reel Assembly with:
    - 1 Ability to Rise to 10" height adjustment
    - 1 180 Degree Rotation
  
- 1 TEST CABLE**
  
- 1 1000' CABLE ASSEMBLY, M/C 12PIN**
  - 1 1000' Multi Conductor Kevlar Fiber Armored Combination TV Transmission / Tow Cable
  - 1 Metal Splice Chamber with Pigtail
  - 1 Cable Strain Relief



**Specifications for:**

**Ohio STS 670  
Contract No.: 800489**

- 1 PORTABLE CABLE REEL ASSEMBLY TO INCLUDE:**
  - 1 Electric Motor Rewind
  - 1 Automatic Level wind with bottom entry/exit cable point
  - 1 Stainless Steel Shaft
  - 1 Electronic Footage Meter
  - 1 Adjustable height and rotational Mounting Ram for Power Control Unit
  
- 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
  
- 1 TIGER TAIL**
  
- 1 MANHOLE TOP ROLLER ASSEMBLY, TV ONLY**
  
- 3 RETRIEVAL/DOWNHOLE POLE ASSEMBLY**
  
- 1 RETRIEVAL HOOK**

**An eleven (11) percent discount will be applied to all above pricing after final configuration is determined**



Specifications for:

Ohio STS 670  
Contract No.: 800489

**Mainline TV Inspection System for 6" and Larger Mainline Pipelines**

| Manufacturer | Model | Description  | Price              |
|--------------|-------|--|--------------------|
|              |       | <b><u>Base Station Portable Mainline TV Inspection System</u></b>                          | <b>\$85,000.00</b> |
|              |       | <b>1 BASE STATION FOR .450 CABLE PORTABLE VIDEO INSPECTION SYSTEM REEL &amp; ENCLOSURE</b> |                    |
|              |       | 1 Operates Entire Product Line of Wheeled and Track 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 Level wind                                  |                    |
|              |       | 1 Forklift Skids   |                    |
|              |       | <b>4 HEAVY DUTY LIFTING EYELETS</b>  |                    |
|              |       | <b>1 CABLE, TEST, PORTABLE 2</b>   |                    |
|              |       | <b>1 8.7" MINI KEYBOARD</b>  |                    |
|              |       | <b>1 P&amp;T ZOOM M/C CAMERA</b>   |                    |
|              |       | 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 Camera Lighting System   |                    |
|              |       | 1 Camera Transportation and Storage Case   |                    |
|              |       | <b>1 21" TRAC TRANSPORTER M/C TO INCLUDE:</b>  |                    |
|              |       | 1 6" Track Transporter with Freewheel and Powered Reverse                                  |                    |
|              |       | 1 Y Eliminator   |                    |
|              |       | <b>1 8"-15" EXTENDERS FOR 21" TRAC TRANSPORTER</b>   |                    |
|              |       | <b>1 SPARE PARTS KIT FOR TRAC TRANSPORTER TO INCLUDE:</b>                                  |                    |
|              |       | 1 Additional Chain Links and Rubber Cleats   |                    |
|              |       | <b>1 12/5/4 ADAPTER CABLE</b>  |                    |
|              |       | <b>1 1000' CABLE ASSEMBLY, M/C 12PIN METAL</b>   |                    |
|              |       | 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  |                    |



**Specifications for:**

**Ohio STS 670  
Contract No.: 800489**

- 1 19" (MINIMUM) FLATSCREEN COLOR INDUSTRIAL TV MONITOR NTSC / PAL COLOR STANDARDS**
- 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 8.7" MINI KEYBOARD**
- 1 TIGER TAIL**
- 1 MANHOLE TOPROLLER ASSEMBLY, TV ONLY**
- 1 THREE (3) RETRIEVAL/DOWNHOLE POLE ASSEMBLIES**
- 1 RETRIEVAL HOOK**
- 2 TWO DAYS TRAINING, ON-SITE**

**An eleven (11) percent discount will be applied to all above pricing after final configuration is determined**



Specifications for:

Ohio STS 670  
Contract No.: 800489

**Portable Mainline TV Inspection System for 6" and Larger Mainline Pipelines  
Optional Equipment**

| <b>Manufacturer</b> | <b>Model</b> | <b>Description</b>                               | <b>Price</b> |
|---------------------|--------------|--|--------------|
| CUES                | DVD          | DVD Recorder w/ Hand held Microphone             | \$876.00     |
| CUES                | MD633        | Wireless Controller                              | \$205.00     |
| HONDA               | EC797        | 2,000 Watt Portable Generator                    | \$2,431.00   |
| HONDA               | TR2247       | 3,000 Watt Portable Generator                    | \$4,098.00   |
| CUES                | MS208        | 10 Gallon wash down spray pump system            | \$245.00     |
| CUES                | QE350-HD     | DUC Base station in lieu of Base station in base | \$5,951.00   |
| CUES                | TIE          | Tie Down for Base Station                        | \$1,620.00   |
| CUES                | DV/SD        | Video Transfer Device                            | \$2593.00    |

**An eleven (11) percent discount will be applied to all above pricing after final configuration is determined**



Specifications for:

Ohio STS 670  
Contract No.: 800489

**Trailer Mounted Mainline TV Inspection System  
Base Unit**

| Manufacturer | Model | Description  | Price        |
|--------------|-------|--|--------------|
| CUES         | TRL   | Trailer mounted Mainline TV Inspection System for the inspection of 6" and larger Sanitary Sewers and Storm Drains | \$109,679.00 |

**7X12 TANDEM AXLE TRAILER, 7000GVWR**

- 1 TRAILER INTERIOR TO INCLUDE:**
  - 1 Amber Electronic Strobe Warning Beacon
  - 2 Adjustable Floodlights Rear of Trailer Area Illumination
  - Interior:
    - 1 Dual Bulb Fluorescent Light Fixture
    - 1 Electrical Outlet with Dual Receptacles
    - 1 Fire Extinguisher with Bracket, 10BC Rating
- 1 ROOF TOP AIR CONDITIONER, 13,500 BTU WITH HEAT STRIP**
- 1 PAINT INTERIOR WALLS AND REAR DOORS FOR TRAILER**
- 1 LONSEAL LONPLATE FLOORING FOR TRAILER**
- 1 15 GALLON (56.781L) CARB/EPA FUEL TANK FOR TRAILER**
- 1 5500 WATT GAS ONAN EVAPORATOR GENERATOR**
  - 1 120 Volt 60 HZ 5500 Watt (Minimum) Commercial Grade Generator
    - 1 Gasoline Powered
    - 1 Electric Start
- 1 POWER SUPPLY COMPONENTS TO INCLUDE:**
  - 1 Generator Remote Start / Stop Cable Assemble
  - 1 Commercial Power Supply Receptacle, 25' (7.62m) Cord, and Plug
  - 1 Electrical Supply Center with Circuit Breaker Box
  - 1 Commercial power and Generator Power Connectors
  - 1 Automatic Power Transfer Switch
- 1 DIGITAL ENGINEERING PANEL**
  - 1 Voltage Readout, Power Supply
  - 1 Hertz Readout, Power Supply
  - 1 Generator Hour Readout
  - 1 Remote Generator Start / Stop Control Switch
- 1 P&T ZOOM 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 with 4x Light Integration
  - 1 Camera Lighting System
  - 1 Camera Transportation and Storage Case
- 1 21" TRAC TRANSPORTER M/C TO INCLUDE:**
  - 1 6" Track Transporter with Freewheel and Powered Reverse
  - 1 Y Eliminator

- 1 **8"-15" EXTENDERS FOR 21" TRAC TRANSPORTER**
- 1 **SPARE PARTS KIT FOR TRAC TRANSPORTER TO INCLUDE:**
  - 1 Additional Chain Links and Rubber Cleats
- 1 **12/5/4 ADAPTER CABLE**
- 1 **PCU ASSEMBLY, NTSC**

Combination Color Camera Control System / Monitor (110 VAC or 220 VAC, 50 Hz or 60 Hz, NTSC or PAL)

  - 1 Mounted in Transportation Cabinet
  - 1 10" Flat Screen Monitor & Set of Connecting Jacks for Video In and Video Out
  - 1 Integral Data Display System to Include:
    - 1 Alpha Numeric Information Display & Multi Paging and Defect Coding
    - 1 Remote "QWERTY" Keyboard for Data Entry with WRC and PACP Codes
  - 1 Test Cable
- 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 **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
- 1 **WHEELED DOLLY, 110V TO INCLUDE:**
  - 1 Electric Motor Rewind
  - 1 Hand Crank
  - 1 Automatic Level wind
  - 1 Electronic Footage Meter
- 1 **CABLE 16'-CONTROL UNIT TO DOLLY**
- 1 **PCU ENCLOSURE FOR DOLLY TO INCLUDE**
  - 1 Gooseneck Microphone
  - 1 Mini Keyboard
  - 1 Power Cable
- 1 **FASTENER PIN FOR DOLLY TRUCK MOUNT**
- 1 **SUPPORT FOR DOLLY, TRUCK MOUNT**
- 1 **TIGER TAIL**



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**Specifications for:**

**Ohio STS 670  
Contract No.: 800489**

- 1 MANHOLE TOPROLLER ASSEMBLY, TV ONLY**
- 3 RETRIEVAL/DOWNHOLE POLE ASSEMBLY**
- 1 RETRIEVAL HOOK**
- 2 DAYS TRAINING, ON-SITE**

**An eleven (11) percent discount will be applied to all above pricing after final configuration is determined**



Specifications for:

Ohio STS 670  
Contract No.: 800489

**Trailer Mounted  
Optional Equipment**

| <b>Manufacturer</b> | <b>Model</b> | <b>Description</b>                                       | <b>Price</b>  |
|---------------------|--------------|--|---------------|
| CUES                | EVO I        | Evolution Series interior Portable System                | \$38,377.00   |
| CUES                | EVO          | Evolution Series interior Truck System                   | \$49,584.00   |
| CUES                | WD           | Wash down system w/ upper & lower cabinet                | \$2,775.00    |
| CUES                | 5 X 8        | 5 X 8 Trailer in lieu of 12' trailer in Base             | <-\$2,039.00> |
| CUES                | 6 X 10       | 6 X 10 Trailer in lieu of 12' trailer in Base            | <-\$1,549.00> |
| CUES                | 6 X 12       | 6 X 12 Trailer in lieu of 7 X 12' trailer in Base        | <-\$1,124.00> |
| CUES                | 7 X 14       | 7 X 14 Trailer in lieu of 12' trailer in Base            | \$358.00      |
| CUES                | 8 X 16       | 8 X 16 Trailer 10,000 GVW in lieu of 14' trailer in Base | \$2,283.00    |

**An eleven (11) percent discount will be applied to all above pricing after final configuration is determined**



Specifications for:

Ohio STS 670  
Contract No.: 800489

**Trailer Mounted Tag- Along Grout System  
Base Unit**

| Manufacturer | Model | Description  | Price        |
|--------------|-------|--|--------------|
| CUES         | TRL   | Trailer mounted Grout System tag<br>Along to TV Unit | \$146,875.00 |

**7X12 TANDEM AXLE TRAILER, 7000GVWR**

- 1 **7X14 TANDEM AXLE TRAILER, 7000GVWR**
  - 1 Tandem Axle Trailer

1 **LOGIBALL READY SYSTEM TO INCLUDE:**

- 1 Tow Cable Assembly
- 1 Cable Assembly 12 Pin to 5 & 4 Pin Female
- 1 Manifold Assembly, Test
- 1 Panel Assembly, Motor Pump, Logiball
- 1 Cable Installation Kit (Cable End Repair & Terminal Strip)
- 1 Reel Mount Vacuum Stand
- 1 Cable Assembly, 12 to 5/4/3/ Female
- 1 Logiball Power Supply Assembly
- 1 Logiball Vacuum Pump Assembly
- 1 Cable Panel/Control Box/Vacuum Pump
- 1 Cable Panel/Control Box/Logiball
- 1 Logiball Exhaust Manifold Assembly
- 1 Logiball Air Regulator, Panel Mount
- 1 0-150 psi Air Regulator, Panel Mount
- 1 Vacuum Gauge, Panel Mount
- 1 Logiball Posatryn Adapter Assembly

2 **LOGIBALL SKID RUNNERS**

1 **LOGIBALL PORT TESTER TOOL**

1 **ELECTRIC CABLE REEL MOUNTED ON TOP OF HOSE REEL ASSEMBLY TO INCLUDE:**

- 1 500' Gold Multi Conductor Kevlar Fiber Armored Cable, .450" Diameter
- 1 Terminated
- 1 Local Controller

1 **UMBILICAL ELECTRIC CABLE REEL FOR MOUNTING IN EXISTING TV INSPECTION UNIT TO INCLUDE:**

- 1 600' of 8 Conductor Umbilical Cable with Terminations Allowing Operator in TV Unit
- to:
  - 1 Operate Cutter
  - 1 Operate Cable Reel
  - 1 Operate Air Hose Reel
- 1 Local Controller

1 **TEST AND SEAL CONTROL PANEL RACK MOUNT TO INCLUDE:**

- 1 Quick Inflate High Speed Packer Inflation System
- 1 Quick Deflate System
- 1 Remote Pressure Sensing System
- 1 Pipe Joint Air Test System

- 1 Pipe Joint Water / Liquid Test System with Leak Rate Loss Flow Meter
- 1 Sealing System Control Panel with:
  - 1 Monitoring Gauges, Pump Controls, and Stroke Counter
  
- 1 PENTA HOSE REEL ASSEMBLY W/FITTINGS**
  - 1 Stainless Steel Dual Passage Rotary Joints
  - 1 Electric Reel Drive Motor Control, Reel Mount
  - 1 Transmission Control Linkage, Reel Mount
  - 1 Hose Terminal Quick Connectors, SS Locking
  - 1 Chemical Hose SS Check Valve Assemblies
  - 1 Packer Joint Testing / Sealing Adapter with Transducer
  - 1 500' Penta Hose
  
- 1 SKID ASSY, 6", P&T, CVC, RVC**
  - 1 6" Low Profile Camera Skid Assembly
  
- 1 8"-30" SKID ASSEMBLY TO INCLUDE:**
  - 1 8" to 30" Pipe Diameter Skid Spacer Plate
  - 2 Bottom Stainless Steel Runners
  - 3 Top Stainless Steel Runners
  
- 1 CHEMICAL HANDLING PACKAGE, TO INCLUDE:**
  - 2 Chemical Mixing Paddle
  - 1 Chemical Scoop
  - 1 Chemical Measuring Cup [Plastic]
  
- 1 ELECTRIC WINCH W/1000' 3/16 " SST CABLE TO INCLUDE:**
  - 1 Hinged, Fold down Frame with Pin Locks
  - 1 1 / 2 hp High Torque Power Driver
  - 1 3 / 16" Stainless Steel Winch Tow Cable 1000'
  - 1 Winch Power Cord Extension Assembly 20'
  - 1 Power Winch Drum Emergency Hand Crank
  
- 1 CONTROLLER FOR ELECTRIC WINCH 110V**
  
- 2 REEL W/500' 14/4 POWER CABLE FOR ELECTRIC WINCH**
  - 1 Power Cord Reel Assembly w/500' 14/4 Power Cord
  
- 1 MANHOLE TOPROLLER ASSEMBLY**
- 2 MANHOLE ADAPTER CLAW HOOK**
- 6 RETRIEVAL/DOWNHOLE POLE ASSEMBLY**
- 3 STEEL RETRIEVAL POLE**
- 2 INVERT ROLLER ASSEMBLY**
- 1 RETRIEVAL HOOK**



**Specifications for:**

**Ohio STS 670  
Contract No.: 800489**

- 1 TV/SEAL TOOL KIT TO INCLUDE:**
  - 1 Quad Ring for 3/8" Quick Disconnect
  - 1 Quad Ring for 1/2" Quick Disconnect
  - 1 Blow down Swivel Adapter Assembly
  - 1 Wash down Swivel Adapter Assembly
  - 1 Electrical Tape
  - 1 5FT Extension Cable 5/5
  - 1 Milliamp meter Tool
  - 1 9-Piece Allen Wrench Kit
  - 1 Industrial Pliers
  - 1 Needle Nose Pliers
  - 1 Six-in-One Screwdriver
  - 1 6" Adjustable Wrench
  - 1 1 OZ Anti Seize Grease
  - 1 Grout Pump Adjustment Tool
  - 1 Solder Iron Kit
  - 1 TV/Seal Training Video
  - 1 Parts Catalog
  - 3 M/C TV Only Operation Manual
  - 3 Test/Seal Operations Manual
  - 1 TV Only Training DVD
  - 1 5/32 Hex T-Handle Wrench
  - 2 Solenoid Valve Seal
  - 2 Check Valve Repair Kit
  - 1 Packer Stem Cleaning Tool

**2 DAYS TRAINING, ON-SITE**

**An eleven (11) percent discount will be applied to all above pricing after final configuration is determined**



Specifications for:

Ohio STS 670  
Contract No.: 800489

**Trailer Mounted Tag- Along Grout System  
Optional Equipment**

| <b>Manufacturer</b> | <b>Model</b> | <b>Description</b>        | <b>Price</b> |
|---------------------|--------------|---------------------------|--------------|
| CUES                | 600658       | 8" LV Packer              | \$3,888.00   |
| CUES                | 600651       | 10" LV Packer             | \$3,996.00   |
| CUES                | 600652       | 12" LV Packer             | \$4,104.00   |
| CUES                | 600653       | 15" LV Packer             | \$4,536.00   |
| CUES                | 600314       | 18" Collapsible LV Packer | \$7,452.00   |
| CUES                | 600016       | 20" Collapsible LV Packer | \$8,208.00   |
| CUES                | 600017       | 21" Collapsible LV Packer | \$8,424.00   |
| CUES                | 600018       | 24" Collapsible LV Packer | \$8,532.00   |
| CUES                | 600020       | 30" Collapsible LV Packer | \$9,396.00   |
| CUES                | 600021       | 36" Collapsible LV Packer | \$10,692.00  |
| CUES                | 600022       | 42" Collapsible LV Packer | \$12,312.00  |
| CUES                | 600061       | 6" Multi Packer           | \$2,376.00   |
| CUES                | 600081       | 8" Multi Packer           | \$1,771.00   |
| CUES                | 600101       | 10" Multi Packer          | \$1,998.00   |
| CUES                | 600121       | 12" Multi Packer          | \$2,484.00   |
| CUES                | 600151       | 15" Multi Packer          | \$3,187.00   |
| CUES                | 4001210      | Manhole Sealing Gun       | \$2,370.00   |

**An eleven (11) percent discount will be applied to all above pricing after final configuration is determined**



Specifications for:

Ohio STS 670  
Contract No.: 800489

**Cargo Van Mounted Mainline TV Inspection System  
Base Unit**

| <b>Manufacturer</b> | <b>Model</b> | <b>Description</b>  | <b>Price</b> |
|---------------------|--------------|---|--------------|
| CUES                | Cargo Van    | Cargo Van Mounted Mainline TV Inspection Summit System for the inspection of 6" and larger Sanitary Sewers and Storm Drains | \$155,451.00 |

**1 CHEVY C3500 EXPRESS GAS 155"WB 2X4 CHASSIS**

- 1 Vortec 6.0L V8 SFI Flex Fuel Gasoline Engine
- 1 6-Speed Automatic Transmission with Overdrive Including:
  - 1 Internal Transmission Oil Cooler
  - 1 Tow / Haul Mode
- 1 3.42 Axle Ratio
- 1 9,600 lb GVWR
- 1 155" Wheel Base
- 1 Standard Driver / Passenger Seats with Seatbelts and Sun Visors
- 1 Swing out Passenger Side Doors 60 / 40 Split
- 1 12-Volt Light in Cab Area
- 1 Cab Air Conditioner, Single Zone Manual
- 1 AM / FM Radio
- 1 Spare Tire

**1 FULL HEIGHT BUBBLE TOP**

**1 TV CARGO VAN EXTERIOR LIGHTING & CONTROL ROOM TO INCLUDE:**

- 2 Amber Electronic Strobe Warning Beacons
- 2 Adjustable Floodlights Rear of Vehicle Area Illumination
- TV Control Room Interior
  - 1 Lonseal Lonplate Flooring
  - 1 Laminated Surface Wall Covering
  - 1 Laminated Ceiling Covering
  - 1 Bulkhead Wall with "Safety Plus Visual" Viewing Window
  - 1 Control Console with Rack Mount for Electronic Equipment
  - 1 Desktop / Work Area
  - 1 110-Volt Fluorescent Light Fixture
  - 1 Electrical Outlet with Dual Receptacles
  - 1 Fire Extinguisher with Bracket, 10BC Rating
  - 1 Operators Chair, Swivel with Casters
  - 1 12-Volt Courtesy Light

**1 CARBON MONOXIDE DETECTOR MOUNTED IN INTERIOR OF UNIT**

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

**1 TV CARGO VAN EQUIPMENT ROOM INTERIOR TO INCLUDE:**

- 1 Electrical Outlet with Dual Receptacles
- 1 Down hole Pole Mounting Bracket Assembly
- 1 110-Volt Fluorescent Light Fixture
- 1 12-Volt Courtesy Light
- 1 15-Minute Timer at Rear Door Area for Courtesy Lights



**Specifications for:**

**Ohio STS 670  
Contract No.: 800489**

- 1 5500 WATT GAS ONAN GENERATOR**
  - 1 120 Volt 60 HZ 5500 Watt (Minimum) Commercial Grade Generator
    - 1 Gasoline Powered
    - 1 Electric Start
- 1 GENERATOR COMPARTMENT**
  - 1 Generator Remote Start / Stop Cable Assemble
  - 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
- 1 DIGITAL ENGINEERING PANEL**
  - 1 Voltage Readout, Power Supply
  - 1 Hertz Readout, Power Supply
  - 1 Generator Hour Readout
  - 1 Remote Generator Start / Stop Control Switch
- 1 P&T ZOOM 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 with 4x Light Integration
  - 1 Camera Lighting System for 6" through 72" lines
  - 1 Camera Transportation and Storage Case
- 1 21" TRAC TRANSPORTER M/C TO INCLUDE:**
  - 1 6" Track Transporter with Freewheel and Powered Reverse
  - 1 Y Eliminator
- 1 8"-15" EXTENDERS FOR 21" TRAC TRANSPORTER**
- 1 SPARE PARTS KIT FOR TRAC TRANSPORTER TO INCLUDE:**
  - 1 Additional Chain Links and Rubber Cleats
- 1 12/5/4 ADAPTER CABLE**
- 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
- 1 TV REEL ASSEMBLY, MECHANICAL FOOTAGE FOR SUMMIT .450 CABLE**
  - 1 Black Thermoplastic Powder Coated Frame
  - 1 Power Level wind & 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
- 1 DVD RECORDER SYSTEM TO INCLUDE:**
  - 1 Rack Mount for DVD
  - 1 DVD Player / Recorder
  - 1 Cable Assembly - DVD to Power Control Unit



**Specifications for:**

**Ohio STS 670  
Contract No.: 800489**

- 1 Handheld Microphone
- 1 19" (MINIMUM) FLATSCREEN COLOR INDUSTRIAL TV MONITOR NTSC / PAL COLOR STANDARDS**
- 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
- 1 8.7" MINI KEYBOARD**
- 1 MANHOLE TOPROLLER ASSEMBLY, TV ONLY**
- 1 MANHOLE ADAPTER CLAW HOOK**
- 6 RETRIEVAL/DOWNHOLE POLE ASSEMBLY**
- 1 INVERT ROLLER ASSEMBLY**
- 1 RETRIEVAL HOOK**
- 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 Industrial Pliers
  - 1 5/32 T-Handle Hex Wrench
  - 1 Multi Conductor TV Only Operation Manual
  - 1 Parts Catalog
  - 1 Cable Repair Kit DVD
  - 1 TV Only Training DVD

**2 DAYS TRAINING, ON-SITE**

**An eleven (11) percent discount will be applied to all above pricing after final configuration is determined**



Specifications for:

Ohio STS 670  
Contract No.: 800489

Optional Equipment

| Manufacturer | Model     | Description   | Price       |
|--------------|-----------|---|-------------|
| CUES         | Transit   | Gas Ford Transit IN LIEU OF GMC chassis in base unit                                  | \$6,693.00  |
| CUES         | Transit   | Diesel Transit and Generator IN LIEU OF Gasoline chassis and generator in base unit   | \$23,254.00 |
| CUES         | Promaster | Gas Promaster IN LIEU OF chassis in base unit   | \$5,995.00  |
| CUES         | Promaster | Diesel Promaster and Generator IN LIEU OF Gasoline chassis and generator in base unit | \$17,310.00 |
| CUES         | Nissan    | Gas Nissan IN LIEU OF chassis in base unit  | \$3,595.00  |
| CUES         | Bubble    | FULL HEIGHT BUBBLE TOP  | \$7,792.00  |
| CUES         | 4 X 4     | Quigley 4 X 4 Conversion  | \$19,980.00 |

**An eleven (11) percent discount will be applied to all above pricing after final configuration is determined**



Specifications for:

Ohio STS 670  
Contract No.: 800489

**Sprinter Cargo Van Mounted Mainline TV Inspection System  
Base Unit**

| Manufacturer | Model  | Description  | Price        |
|--------------|--------|--|--------------|
| CUES         | SP3500 | Sprinter Cargo Van Mounted Mainline TV Inspection Summit System for the inspection of 6" and larger Sanitary Sewers and Storm Drains | \$184,856.00 |

**1 DIESEL SPRINTER 3500, 11,030 GVWR**

- 1 Blue tec SCR V6 Diesel Engine
- 1 5-Speed Automatic Transmission
- 1 170" Wheel Base
- 1 Standard Driver / Passenger Seat with Seat Belts and Sun Visors
- 1 Cab Air Conditioner
- 1 AM / FM Radio

**1 ELECTRIC BACK-UP ALARM**

**1 TV SPRINTER VAN EXTERIOR LIGHTING & CONTROL ROOM TO INCLUDE:**

- 2 Amber Electronic Strobe Warning Beacons
- 2 Adjustable Floodlights Rear of Vehicle Area Illumination
- Control Room Interior:
  - 1 Lonseal Lonplate Flooring
  - 1 Laminated Surface Wall Covering
  - 1 Laminated Ceiling Covering
  - 1 Bulkhead Wall with Passage Door from Control Room to Equipment Room
  - 1 "Safety Plus Visual" Viewing Window in Bulkhead Wall
  - 1 Built in Control Console
  - 1 Rack Mount for Electronic Equipment Mounted Above Viewing Window
  - 1 Desktop / Work Area
  - 1 110-Volt Fluorescent Light Fixture
  - 1 Electrical Outlet with Dual Receptacles
  - 1 Fire Extinguisher with Bracket, 10BC Rating
  - 1 Operators Chair, Swivel with Casters
  - 1 12-Volt Courtesy Light

**1 CARBON MONOXIDE DETECTOR MOUNTED IN INTERIOR OF UNIT**

**1 9200BTU ROOF MOUNTED AIR CONDITIONER**

**1 TV SPRINTER VAN EQUIPMENT ROOM INTERIOR TO INCLUDE:**

- 1 Electrical Outlet with Dual Receptacles
- 1 Down hole Pole Mounting Bracket Assembly
- 1 110-Volt Fluorescent Light Fixture
- 1 12-Volt Courtesy Light
- 1 15-Minute Timer at Rear Door Area for Courtesy Lights

**1 LONSEAL LONPLATE FLOORING IN EQUIPMENT ROOM**

**1 ON-BOARD AC POWER SYSTEM, DYNAMIC INVERTER, 3KW, TO INCLUDE:**

- 1 On-Board Electrical Power Source Rated for 3000 Watts of Total Power Output
- 1 Pure Sine Wave Utility Grade Electrical Power
- 1 Three-Stage Charging for Longer Battery Life
- 1 Built In Transfer Switch for Inverter to Incoming AC Power
- 2 257 Amp Hour Absorbed Glass Matt 8D Battery

- 1 **P&T ZOOM 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 with 4x Light Integration
  - 1 Camera Lighting System for 6" through 72" lines
  - 1 Camera Transportation and Storage Case
  
- 1 **21" TRAC TRANSPORTER M/C TO INCLUDE:**
  - 1 6" Track Transporter with Freewheel and Powered Reverse
  - 1 Y Eliminator
  
- 1 **8"-15" EXTENDERS FOR 21" TRAC TRANSPORTER**
  
- 1 **SPARE PARTS KIT FOR TRAC TRANSPORTER TO INCLUDE:**
  - 1 Additional Chain Links and Rubber Cleats
  
- 1 **12/5/4 ADAPTER CABLE**
  
- 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
  
- 1 **TV REEL ASSEMBLY, MECHANICAL FOOTAGE FOR SUMMIT .450 CABLE**
  - 1 Black Thermoplastic Powder Coated Frame
  - 1 Power Level wind & 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
  
- 1 **DVD RECORDER SYSTEM TO INCLUDE:**
  - 1 Rack Mount for DVD
  - 1 DVD Player / Recorder
  - 1 Cable Assembly - DVD to Power Control Unit
  - 1 Handheld Microphone
  
- 1 **19" (MINIMUM) FLATSCREEN COLOR INDUSTRIAL TV MONITOR NTSC / PAL COLOR STANDARDS**
  
- 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



**Specifications for:**

**Ohio STS 670  
Contract No.: 800489**

- 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
  
- 1 8.7" MINI KEYBOARD**
- 1 MANHOLE TOPROLLER ASSEMBLY, TV ONLY**
- 1 MANHOLE ADAPTER CLAW HOOK**
- 6 RETRIEVAL/DOWNHOLE POLE ASSEMBLY**
- 1 INVERT ROLLER ASSEMBLY**
- 1 RETRIEVAL HOOK**
- 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 Industrial Pliers
  - 1 5/32 T-Handle Hex Wrench
  - 1 Multi Conductor TV Only Operation Manual
  - 1 Parts Catalog
  - 1 Cable Repair Kit DVD
  - 1 TV Only Training DVD
  
- 2 DAYS TRAINING, ON-SITE**

**An eleven (11) percent discount will be applied to all above pricing after final configuration is determined**



Specifications for:

Ohio STS 670  
Contract No.: 800489

Optional Equipment

| <b>Manufacturer</b> | <b>Model</b> | <b>Description</b>                | <b>Price</b> |
|---------------------|--------------|-----------------------------------|--------------|
| CUES                | BUMP         | Rear Bumper Crane for Sprinter    | \$5,940.00   |
| CUES                | TR776        | One Drawer Storage under the reel | \$1,034.00   |

**An eleven (11) percent discount will be applied to all above pricing after final configuration is determined**



Specifications for:

Ohio STS 670  
Contract No.: 800489

**Chevy 3500 DRW Cutaway Mounted Mainline TV Inspection System  
Base Unit**

| <b>Manufacturer</b> | <b>Model</b> | <b>Description</b>   | <b>Price</b> |
|---------------------|--------------|--|--------------|
| CUES                | CH-DRW       | Chevy 3500 DRW Cutaway Mounted Mainline TV Summit Inspection System for the inspection of 6" and larger Sanitary Sewers and Storm Drains | \$172,312.00 |

**1 CHEVY C3500 GAS CUT-A-WAY 2X4 CHASSIS**

- 1 Vortec 6.0L V8 Gasoline Engine
- 1 6-Speed Automatic Transmission with Overdrive Including:
  - 1 Internal Transmission Oil Cooler
  - 1 Tow / Haul Mode
- 1 3.73 Axle Ratio
- 1 12,300 lb GVWR
- 1 139" Wheel Base
- 1 Standard Driver / Passenger Seats with Seatbelts and Sun Visors
- 1 12-Volt Light in Cab Area
- 1 Cab Air Conditioner, Single Zone Manual
- 1 AM / FM Radio

**1 12' CARGO BOX WITH PASS THRU**

- 1 Pass 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

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

- 2 Amber Electronic Strobe Warning Beacons
- 2 Adjustable Floodlights Rear of Vehicle Area 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 12-Volt Courtesy Light

**1 CARBON MONOXIDE DETECTOR MOUNTED IN INTERIOR OF UNIT**

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

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

- 1 Kemlite Wall & Ceiling Covering

**Specifications for:**

**Ohio STS 670**  
**Contract No.: 800489**

- 1 Climate Controlled Breaker Box/Electronics Storage Area with Locking Positive Latches
- 1 Electrical Outlet with Dual Receptacles
- 1 12V High Intensity LED Light Fixture
- 1 12-Volt Courtesy Light with 15 Minute Timer Located at Rear Door Area

**1 LONSEAL LONPLATE FLOORING IN EQUIPMENT ROOM**

**1 5500 WATT GAS ONAN GENERATOR**

- 1 120 Volt 60 HZ 5500 Watt EFI (Electronic Fuel Injection) Commercial Grade Generator
  - 1 Gasoline Powered
  - 1 Electric Start
  - 1 Air Cooled
  - 1 Generator Remote Start/Stop Cable assembly

**1 GENERATOR COMPARTMENT**

- 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

**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)

**1 P&T ZOOM 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 with 4x Light Integration
- 1 Camera Lighting System for 6" through 72" lines
- 1 Camera Transportation and Storage Case

**1 21" TRAC TRANSPORTER M/C TO INCLUDE:**

- 1 6" Track Transporter with Freewheel and Powered Reverse
- 1 Y Eliminator

**1 8"-15" EXTENDERS FOR 21" TRAC TRANSPORTER**

**1 SPARE PARTS KIT FOR TRAC TRANSPORTER TO INCLUDE:**

- 1 Additional Chain Links and Rubber Cleats

**1 12/5/4 ADAPTER CABLE**

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

- 1 1000' Gold Multi Conductor Kevlar Fiber Armored Combination TV Transmission / Tow

Specifications for:

Ohio STS 670  
Contract No.: 800489

- 1 Cable
  - 1 .450 Diameter
  - 1 Metal Splice Chamber with Pigtail
  - 1 Cable Strain Relief
- 1 TV REEL ASSEMBLY, MECHANICAL FOOTAGE FOR SUMMIT .450 CABLE**
  - 1 Black Thermoplastic Powder Coated Frame
  - 1 Power Level wind & 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
- 1 DVD RECORDER SYSTEM TO INCLUDE:**
  - 1 Rack Mount for DVD
  - 1 DVD Player / Recorder
  - 1 Cable Assembly - DVD to Power Control Unit
  - 1 Handheld Microphone
- 1 19" (MINIMUM) FLATSCREEN COLOR INDUSTRIAL TV MONITOR NTSC / PAL COLOR STANDARDS**
- 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
- 1 8.7" MINI KEYBOARD**
- 1 MANHOLE TOPROLLER ASSEMBLY, TV ONLY**
- 1 MANHOLE ADAPTER CLAW HOOK**
- 6 RETRIEVAL/DOWNHOLE POLE ASSEMBLY**
- 1 INVERT ROLLER ASSEMBLY**
- 1 RETRIEVAL HOOK**
- 1 MULTI CONDUCTOR TV ONLY TOOL KIT**



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**Specifications for:**

**Ohio STS 670  
Contract No.: 800489**

- 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 Industrial Pliers
- 1 5/32 T-Handle Hex Wrench
- 1 Multi Conductor TV Only Operation Manual
- 1 Parts Catalog
- 1 Cable Repair Kit DVD
- 1 TV Only Training DVD

**2 DAYS TRAINING, ON-SITE**

**An eleven (11) percent discount will be applied to all above pricing after final configuration is determined**



Specifications for:

Ohio STS 670  
Contract No.: 800489

**Chevy 3500 DRW Cutaway Mounted Mainline TV Inspection System  
Optional Equipment**

| <b>Manufacturer</b> | <b>Model</b> | <b>Description</b>  | <b>Price</b> |
|---------------------|--------------|---|--------------|
| CUES                | 3500-DRWD    | Chevrolet 3500 Hi-Cube, Diesel with Automatic Transmission, 12,300 GVW, and 12' Load space and Diesel Generator IN LIEU OF Chevy 3500 Gas Chassis and gas generator in base unit. | \$20,604.00  |

**An eleven (11) percent discount will be applied to all above pricing after final configuration is determined**



Specifications for:

Ohio STS 670  
Contract No.: 800489

**Chevy 4500 DRW Cutaway Mounted Mainline TV Inspection System  
Base Unit**

| Manufacturer | Model     | Description   | Price        |
|--------------|-----------|---|--------------|
| CUES         | C4500-DRW | C4500 DRW Cutaway Mounted Mainline TV Inspection Summit System for the inspection of 6" and larger Sanitary Sewers and Storm Drains | \$180,748.00 |

- 1 CHEVROLET EXPRESS COMMERCIAL CUTAWAY CG33903 RWD 4500**
  - 1 Vortec 6.0L Gasoline Engine
  - 1 6-Speed Automatic Transmission Allison 1000 HS / RDS Series
  - 1 4.1 Axle Ratio
  - 1 13,980 lb GVWR
  - 1 177" Wheel Base
  - 1 Standard Driver / Passenger Seats with Seatbelts and Sun Visors
  - 1 12-Volt Light in Cab Area
  - 1 Cab Air Conditioner
  - 1 AM / FM Radio
  
- 1 16' CARGO BOX WITH WALKTHRU**
  - 1 Aero Cap 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
  
- 1 BULKHEAD WALL BETWEEN CAB AND CONTROL ROOM**
  - 1 Door
  
- 1 TV HIGH CUBE VAN EXTERIOR LIGHTING & CONTROL ROOM EVOLUTION 3.0 TO INCLUDE:**
  - 2 Amber Electronic Strobe Warning Beacons
  - 2 Adjustable Floodlights Rear of Vehicle Area 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 12-Volt Courtesy Light
  
- 1 CARBON MONOXIDE DETECTOR MOUNTED IN INTERIOR OF UNIT**
  
- 1 ROOF TOP AIR CONDITIONER, 13,500 BTU WITH HEAT STRIP**

- 1 TV HI-CUBE VAN EQUIPMENT ROOM INTERIOR EVOLUTION 3.0 TO INCLUDE:**
  - 1 Kemlite Wall & Ceiling Covering
  - 1 Climate Controlled Breaker Box/Electronics Storage Area with Locking Positive Latches
  - 1 Electrical Outlet with Dual Receptacles
  - 1 12V High Intensity LED Light Fixture
  - 1 12-Volt Courtesy Light with 15 Minute Timer Located at Rear Door Area
  
- 1 LONSEAL LONPLATE FLOORING IN EQUIPMENT ROOM**
  
- 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
  
- 1 GENERATOR COMPARTMENT**
  - 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
  
- 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)
  
- 1 P&T ZOOM 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 with 4x Light Integration
  - 1 Camera Lighting System for 6" through 72" lines
  - 1 Camera Transportation and Storage Case
  
- 1 21" TRAC TRANSPORTER M/C TO INCLUDE:**
  - 1 6" Track Transporter with Freewheel and Powered Reverse
  - 1 Y Eliminator
  
- 1 8"-15" EXTENDERS FOR 21" TRAC TRANSPORTER**
  
- 1 SPARE PARTS KIT FOR TRAC TRANSPORTER TO INCLUDE:**
  - 1 Additional Chain Links and Rubber Cleats



**Specifications for:**

**Ohio STS 670  
Contract No.: 800489**

- 1 12/5/4 ADAPTER CABLE**
- 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
- 1 TV REEL ASSEMBLY, MECHANICAL FOOTAGE FOR SUMMIT .450 CABLE**
  - 1 Black Thermoplastic Powder Coated Frame
  - 1 Power Level wind & 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
- 1 DVD RECORDER SYSTEM TO INCLUDE:**
  - 1 Rack Mount for DVD
  - 1 DVD Player / Recorder
  - 1 Cable Assembly - DVD to Power Control Unit
  - 1 Handheld Microphone
- 1 19" (MINIMUM) FLATSCREEN COLOR INDUSTRIAL TV MONITOR NTSC / PAL COLOR STANDARDS**
- 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
- 1 8.7" MINI KEYBOARD**
- 1 MANHOLE TOPROLLER ASSEMBLY, TV ONLY**
- 1 MANHOLE ADAPTER CLAW HOOK**
- 6 RETRIEVAL/DOWNHOLE POLE ASSEMBLY**
- 1 INVERT ROLLER ASSEMBLY**



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**Specifications for:**

**Ohio STS 670  
Contract No.: 800489**

**1 RETRIEVAL HOOK**

**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 Industrial Pliers
- 1 5/32 T-Handle Hex Wrench
- 1 Multi Conductor TV Only Operation Manual
- 1 Parts Catalog
- 1 Cable Repair Kit DVD
- 1 TV Only Training DVD

**2 DAYS TRAINING, ON-SITE (TWO DAYS)**

**An eleven (11) percent discount will be applied to all above pricing after final configuration is determined**



Specifications for:

Ohio STS 670  
Contract No.: 800489

**Chevy 4500 DRW Cutaway Mounted Mainline TV Inspection System  
Optional Equipment**

| <b>Manufacturer</b> | <b>Model</b> | <b>Description</b>  | <b>Price</b> |
|---------------------|--------------|---|--------------|
| CUES                | 4500-DRWD    | Chevrolet 4500 Hi-Cube, Diesel with Automatic Transmission, 12,300 GVW, and 16' Load space and Diesel Generator IN LIEU OF Chevy 4500 Gas Chassis and gas generator in base unit. | \$21,040.00  |

**An eleven (11) percent discount will be applied to all above pricing after final configuration is determined**



Specifications for:

Ohio STS 670  
Contract No.: 800489

**Ford E-450 DRW Cutaway Mounted Mainline TV Inspection System  
Base Unit**

| Manufacturer | Model     | Description  | Price        |
|--------------|-----------|--|--------------|
| CUES         | E-450-DRW | Ford E-450 DRW Cutaway Mounted Mainline TV Inspection Summit System for the inspection of 6" and larger Sanitary Sewers and Storm Drains | \$181,937.00 |

- 1 FORD E-450 GAS CUT-A-WAY 176" WB 2X4 CHASSIS**
  - 1 6.8L SOHC EFI Triton V10 Engine
  - 1 5-Speed Automatic Transmission with OD including:
    - 1 Auxiliary Cooler
    - 1 Tow / Haul Mode
  - 1 4.56 Axle Ratio
  - 1 14,500 lb. GVWR
  - 1 176" Wheel Base
  - 1 Standard Driver / Passenger Seat with Seat Belts and Sun Visors
  - 1 12-Volt Light in Cab Area
  - 1 Cab Air Conditioner
  - 1 AM / FM Radio
  
- 1 16' CARGO BOX WITH WALKTHRU**
  - 1 Aero Cap 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
  
- 1 BULKHEAD WALL BETWEEN CAB AND CONTROL ROOM**
  - 1 Door
  
- 1 TV HIGH CUBE VAN EXTERIOR LIGHTING & CONTROL ROOM - EVOLUTION 3.0 TO INCLUDE:**
  - 2 Amber Electronic Strobe Warning Beacons
  - 2 Adjustable Floodlights Rear of Vehicle Area 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 12-Volt Courtesy Light
  
- 1 CARBON MONOXIDE DETECTOR MOUNTED IN INTERIOR OF UNIT**
  
- 1 ROOF TOP AIR CONDITIONER, 13,500 BTU WITH HEAT STRIP**

- 1 **TV HI-CUBE VAN EQUIPMENT ROOM INTERIOR - EVOLUTION 3.0 TO INCLUDE:**
  - 1 Kemlite Wall & Ceiling Covering
  - 1 Climate Controlled Breaker Box/Electronics Storage Area with Locking Positive Latches
  - 1 Electrical Outlet with Dual Receptacles
  - 1 12V High Intensity LED Light Fixture
  - 1 12-Volt Courtesy Light with 15 Minute Timer Located at Rear Door Area
  
- 1 **LONSEAL LONPLATE FLOORING IN EQUIPMENT ROOM**
  
- 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
  
- 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
  
- 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)
  
- 1 **P&T ZOOM 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 with 4x Light Integration
  - 1 Camera Lighting System for 6" through 72" lines
  - 1 Camera Transportation and Storage Case
  
- 1 **21" TRAC TRANSPORTER M/C TO INCLUDE:**
  - 1 6" Track Transporter with Freewheel and Powered Reverse
  - 1 Y Eliminator
  
- 1 **8"-15" EXTENDERS FOR 21" TRAC TRANSPORTER**
  
- 1 **SPARE PARTS KIT FOR TRAC TRANSPORTER TO INCLUDE:**
  - 1 Additional Chain Links and Rubber Cleats



**Specifications for:**

**Ohio STS 670  
Contract No.: 800489**

- 1 12/5/4 ADAPTER CABLE**
- 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
- 1 TV REEL ASSEMBLY, MECHANICAL FOOTAGE FOR SUMMIT .450 CABLE**
  - 1 Black Thermoplastic Powder Coated Frame
  - 1 Power Level wind & 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
- 1 DVD RECORDER SYSTEM TO INCLUDE:**
  - 1 Rack Mount for DVD
  - 1 DVD Player / Recorder
  - 1 Cable Assembly - DVD to Power Control Unit
  - 1 Handheld Microphone
- 1 19" (MINIMUM) FLATSCREEN COLOR INDUSTRIAL TV MONITOR NTSC / PAL COLOR STANDARDS**
- 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
- 1 8.7" MINI KEYBOARD**
- 1 MANHOLE TOPROLLER ASSEMBLY, TV ONLY**
- 1 MANHOLE ADAPTER CLAW HOOK**
- 6 RETRIEVAL/DOWNHOLE POLE ASSEMBLY**



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**Specifications for:**

**Ohio STS 670  
Contract No.: 800489**

- 1 INVERT ROLLER ASSEMBLY**
- 1 RETRIEVAL HOOK**
- 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 Industrial Pliers
  - 1 5/32 T-Handle Hex Wrench
  - 1 Multi Conductor TV Only Operation Manual
  - 1 Parts Catalog
  - 1 Cable Repair Kit DVD
  - 1 TV Only Training DVD
- 2 DAYS TRAINING, ON-SITE**

**An eleven (11) percent discount will be applied to all above pricing after final configuration is determined**



Specifications for:

Ohio STS 670  
Contract No.: 800489

Ford E-450 DRW Cutaway Mounted Mainline TV Inspection System  
Optional Equipment

| <b>Manufacturer</b> | <b>Model</b> | <b>Description</b>   | <b>Price</b> |
|---------------------|--------------|--|--------------|
| CUES                | F-450-DRW    | Ford F-450 DRW Gas Cab Chassis in lieu of E 450 G in base    | \$3,224.00   |
| CUES                | F-450-DRW    | Ford F-450 DRW Diesel Cab Chassis in lieu of E 450 G in base | \$19,977.00  |
| CUES                | F-550-DRW    | Ford F-550 DRW Gas Cab Chassis in lieu of E 450 G in base    | \$6,855.00   |
| CUES                | F-550-DRW    | Ford F-550 DRW Diesel Cab Chassis in lieu of E 450 G in base | \$23,120.00  |
| CUES                | WALK         | Walk Thru for Ford F-550 Cab Chassis                         | \$7,663.00   |

**An eleven (11) percent discount will be applied to all above pricing after final configuration is determined**



Specifications for:

Ohio STS 670  
Contract No.: 800489

**Diesel Step Van Mounted Mainline TV Inspection System**

| Manufacturer | Model | Description  | Price        |
|--------------|-------|--|--------------|
| CUES         | SV    | Step Van Mounted Mainline TV Inspection Summit System for the inspection of 6" and larger Sanitary Sewers and Storm Drains | \$224,724.00 |
|              | 1     | <b>TV Step Van, Diesel with Automatic Transmission and 16' Load space</b>  |              |
|              | 1     | Blackout Curtain   |              |
|              | 1     | <b>TV HIGH CUBE VAN EXTERIOR LIGHTING &amp; CONTROL ROOM - EVOLUTION 3.0 TO INCLUDE:</b>                                   |              |
|              | 2     | Amber LED Strobe Warning Beacons   |              |
|              | 2     | Adjustable LED Floodlights Rear of Vehicle Area 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   |              |
|              | 1     | <b>CARBON MONOXIDE DETECTOR MOUNTED IN INTERIOR OF UNIT</b>  |              |
|              | 1     | <b>ROOF TOP AIR CONDITIONER, 13,500 BTU WITH HEAT STRIP</b>  |              |
|              | 1     | <b>TV HI-CUBE VAN EQUIPMENT ROOM INTERIOR - EVOLUTION 3.0 TO INCLUDE:</b>  |              |
|              | 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   |              |
|              | 1     | <b>7500 WATT QUIET DIESEL ONAN GENERATOR</b>   |              |
|              | 1     | 120 Volt 60 HZ 7500 Watt (Minimum) Commercial Grade "Quiet" Generator  |              |
|              | 1     | Diesel Powered   |              |
|              | 1     | Electric Start   |              |
|              | 1     | <b>GENERATOR COMPARTMENT [UNDER CHASSIS MOUNT]</b>   |              |
|              | 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  |              |
|              | 1     | <b>SYSTEM ENGINEERING PANEL, FOR POWER INFORMATION AND GENERATOR FUNCTIONS, RACK MOUNTED, TO INCLUDE:</b>                  |              |
|              | 1     | Four Function AC Power Meter displaying Critical Power Information including:  |              |
|              | 1     | Voltage  |              |

**Specifications for:**

**Ohio STS 670  
Contract No.: 800489**

- 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)
  
- 1 P&T ZOOM 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 with 4x Light Integration
  - 1 Camera Lighting System for 6" through 72" lines
  - 1 Camera Transportation and Storage Case
  
- 1 21" TRAC TRANSPORTER M/C TO INCLUDE:**
  - 1 6" Track Transporter with Freewheel and Powered Reverse
  - 1 Y Eliminator
  
- 1 8"-15" EXTENDERS FOR 21" TRAC TRANSPORTER**
  
- 1 SPARE PARTS KIT FOR TRAC TRANSPORTER TO INCLUDE:**
  - 1 Additional Chain Links and Rubber Cleats
  
- 1 12/5/4 ADAPTER CABLE**
  
- 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
  
- 1 TV REEL ASSEMBLY, MECHANICAL FOOTAGE FOR SUMMIT .450 CABLE**
  - 1 Black Thermoplastic Powder Coated Frame
  - 1 Power Level wind & 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
  
- 1 DVD RECORDER SYSTEM TO INCLUDE:**
  - 1 Rack Mount for DVD
  - 1 DVD Player / Recorder
  - 1 Cable Assembly - DVD to Power Control Unit
  - 1 Handheld Microphone
  
- 1 19" (MINIMUM) FLATSCREEN COLOR INDUSTRIAL TV MONITOR NTSC / PAL COLOR STANDARDS**
  
- 1 PCU ASSEMBLY [RACK MOUNT]**



**Specifications for:**

**Ohio STS 670  
Contract No.: 800489**

- 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
  
- 1 8.7" MINI KEYBOARD**
- 1 MANHOLE TOPROLLER ASSEMBLY, TV ONLY**
- 1 MANHOLE ADAPTER CLAW HOOK**
- 6 RETRIEVAL/DOWNHOLE POLE ASSEMBLY**
- 1 INVERT ROLLER ASSEMBLY**
- 1 RETRIEVAL HOOK**
- 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 Industrial Pliers
  - 1 5/32 T-Handle Hex Wrench
  - 1 Multi Conductor TV Only Operation Manual
  - 1 Parts Catalog
  - 1 Cable Repair Kit DVD
  - 1 TV Only Training DVD
  
- 2 DAYS TRAINING, ON-SITE (TWO DAYS)**

**An eleven (11) percent discount will be applied to all above pricing after final configuration is determined**



Specifications for:

Ohio STS 670  
Contract No.: 800489

**Diesel Step Van Mounted Mainline TV Inspection System  
Optional Equipment**

| <b>Manufacturer</b> | <b>Model</b> | <b>Description</b>   | <b>Price</b>   |
|---------------------|--------------|--|----------------|
| CUES                | MT55         | MT55 Step Van in lieu of chassis in base   | \$2,071.00     |
| CUES                | M2 106       | M2 106 Step Van in lieu of chassis in base   | \$16,434.00    |
| CUES                | F 59         | F 59 Gas Step Van with generator in lieu of chassis in base                              | <-\$25,154.00> |
| CUES                | 18'          | 18' box in lieu of 16' box in base   | \$7,319.00     |
| CUES                | BWSV         | Bulkhead Wall between Cab and Viewing Room With Access Door IN LIEU OF Black Out Curtain | \$1,947.00     |

**An eleven (11) percent discount will be applied to all above pricing after final configuration is determined**



Specifications for:

Ohio STS 670  
Contract No.: 800489

Optional Transporters & Accessories

| Manufacturer | Model   | Description  | Price       |
|--------------|---------|--|-------------|
| CUES         | MC218   | US21 Track Transporter Extenders for 18" to 24" Mainline Inspection  | \$1,225.00  |
| CUES         | MC350   | Spare Ultra Shorty 21 Track Transporter for 6-15" Mainline Inspection  | \$8,769.00  |
| CUES         | TX360   | USIII track Transporter 6-15"  | \$12,141.00 |
| CUES         | TX911   | USIII Track Transporter Extenders for 18" -24" Mainline Inspection   | \$1,588.00  |
| CUES         | MC219B  | Track Transporter Brass Extenders for 7" to 15" Mainline Inspection  | \$2,810.00  |
| CUES         | TX361   | WTR Wheeled non steerable Transporter 6-15"  | \$15,489.00 |
| CUES         | TX361-1 | Track kit/ for non steerable wheeled Transporter   | \$4,212.00  |
| CUES         | TX361   | Wheeled Transporter non steerable 6-15" in Lieu of USIII track transporter   | \$3,348.00  |
| CUES         | TX361   | Wheeled Transporter. Non steerable, 6-15" pipe in Lieu of US 21 Ultra Shorty   | \$6,720.00  |
| CUES         | TX360   | USIII track Transporter 6-15" in lieu of US21 Ultra Shorty   | \$3,372.00  |
| CUES         | WT351   | Pipe Ranger Wheeled Transporter for 8" – 15" Mainline Inspection (IN ADDITION TO Ultra Shorty 21 Trac Transporter in Base Unit)                                | \$20,548.00 |
| CUES         | WT351   | Pipe Ranger Wheeled Transporter for 8" – 15" Mainline Inspection (IN LIEU OF Ultra Shorty 21 Trac Transporter in Base Unit)                                    | \$11,779.00 |
| CUES         | WT351   | Pipe Ranger Wheeled Transporter for 8" – 15" Mainline Inspection (IN LIEU OF USIII Ultra Shorty Trac Transporter in Base Unit)                                 | \$8,407.00  |
| CUES         | WM350   | Compact Steerable Pipe Ranger Wheeled Transporter for 6" to 30" Mainline Inspection (IN ADDITION TO US21 or USIII Ultra Shorty Track Transporter in Base Unit) | \$25,832.00 |

An eleven (11) percent discount will be applied to all above pricing after final configuration is determined



Specifications for:

Ohio STS 670  
Contract No.: 800489

**Optional Transporters & Accessories**

| <b>Manufacturer</b> | <b>Model</b> | <b>Description</b>  | <b>Price</b> |
|---------------------|--------------|---|--------------|
| CUES                | WM350        | Compact Steerable Pipe Ranger Wheeled For 6" to 30" Mainline Inspection (IN LIEU OF USIII Ultra Shorty Trac Transporter in Base Unit)   | \$13,691.00  |
| CUES                | WM350        | Compact Steerable Pipe Ranger Wheeled For 6" to 30" Mainline Inspection (IN LIEU OF US21 Ultra Shorty Trac Transporter in Base Unit)  | \$17,063.00  |
| CUES                | WS360        | Steerable Pipe Ranger Wheeled Transporter for For 8" to 15" Mainline Inspection (IN ADDITION TO Ultra Shorty 21 Trac Transporter in Base Unit)  | \$23,788.00  |
| CUES                | WS360        | Steerable Pipe Ranger Wheeled Transporter for For 8" to 15" Mainline Inspection (IN LIEU OF Ultra Shorty 21 Trac Transporter in Base Unit)  | \$15,019.00  |
| CUES                | TM600        | Steerable Large Diameter Pipe Self-Propelled Transporter for Inspection of Pipes Ranging from 24" to 200" (IN ADDITION TO Ultra Shorty 21 Trac Transporter in Base Unit)                    | \$39,061.00  |
| CUES                | TM600        | Steerable Large Diameter Pipe Self-Propelled Transporter for Inspection of Pipes Ranging from 24" to 200" (IN LIEU OF Ultra Shorty 21 Trac Transporter in Base Unit)                        | \$30,292.00  |
| CUES                | TM600-1      | Single Conductor Steerable Transporter for use With Single Conductor System for Inspection of Pipes Ranging from 24" to 200" (IN ADDITION TO Ultra Shorty 21 Trac Transporter in Base Unit) | \$42,498.00  |
| CUES                | TM600-1      | Single Conductor Steerable Transporter for use With Single Conductor System for Inspection of Pipes Ranging from 24" to 200" (IN LIEU OF Ultra Shorty 21 Trac Transporter in Base Unit)     | \$33,729.00  |
| CUES                | MZ904        | Adapter Tube for OZIII Pan Tilt Zoom Camera For use in Large Transporters   | \$2,727.00   |
| CUES                | WT310        | Mechanical Lift for Use with Pipe Ranger  | \$2,344.00   |
| CUES                | WS308        | Electric Lift for use with large Pipe Ranger  | \$7,462.00   |

**An eleven (11) percent discount will be applied to all above pricing after final configuration is determined**



Specifications for:

Ohio STS 670  
Contract No.: 800489

Optional Transporters & Accessories

| Manufacturer | Model   | Description  | Price      |
|--------------|---------|--|------------|
| CUES         | WM320   | Mechanical Lift for CPR  | \$3,078.00 |
| CUES         | WM330   | Electric Lift for use with Compact Pipe Ranger                                   | \$6,691.00 |
| CUES         | WT313   | PR & SPR Transporter Tires for 18" to 48"<br>Mainline Inspection PRv1            | \$1,378.00 |
| CUES         | WS904   | Steel Wheel Kit for PR & SPR Wheeled<br>Transporter 7" Pipe Application          | \$2,205.00 |
| CUES         | WS905   | Wheel Kit for PR & SPR Wheeled Transporter 7"<br>Pipe Application                | \$1,139.00 |
| CUES         | WS906   | Steel Wheel Kit for PR & SPR Wheeled<br>Transporter 8" PVC Application           | \$1,904.00 |
| CUES         | WS908   | Steel Wheel Kit for PR & SPR Wheeled<br>Transporter 10" to 15" PVC Application   | \$1,567.00 |
| CUES         | WS912   | PR & SPR Chevron Tire Kit for Wheeled<br>Transporter Large Pipe Configuration    | \$1,863.00 |
| CUES         | WS910   | PR & SPR Pneumatic Tires 12-15"<br>for Wheeled Transporter                       | \$1,679.00 |
| CUES         | WS911   | PR & SPR Pneumatic Tires 18"+<br>for Wheeled Transporter                         | \$1,615.00 |
| CUES         | WM307-1 | Steel Wheels to inspect 6" Pipe<br>for CPR Wheeled Transporter                   | \$1,864.00 |
| CUES         | WM308-2 | Steel Wheels to inspect 8" Pipe<br>for CPR & WTR Wheeled Transporter             | \$1,853.00 |
| CUES         | WM310-2 | Steel Wheels to inspect 10"-15" Pipe<br>for CPR & WTR Wheeled Transporter        | \$1,975.00 |
| CUES         | WM312   | Pneumatic Rubber Tires to inspect 12"+ Pipe<br>for CPR & WTR Wheeled Transporter | \$1,584.00 |
| CUES         | TX902-1 | Wheel kit for track Transporter  | \$7,228.00 |
| CUES         | REAR    | Rear Viewing Camera for Transporter  | \$5,103.00 |
| CUES         | WC399   | Transporter Shipping Box   | \$375.00   |

An eleven (11) percent discount will be applied to all above pricing after final configuration is determined



Specifications for:

Ohio STS 670  
Contract No.: 800489

TV Inspection System  
Optional Equipment

| Manufacturer | Model  | Description  | Price       |
|--------------|--------|--|-------------|
| CUES         | TR1182 | 5.5 KW Gas Generator                                   | \$7,843.00  |
| CUES         | TR1181 | 7 KW Gas Generator                                     | \$10,428.00 |
| CUES         | TR253  | 7.5 KWQD Diesel Generator                              | \$17,853.00 |
| CUES         | TR725  | 10 KW Diesel Generator                                 | \$21,123.00 |
| CUES         | TR725  | 12 KW Diesel Generator                                 | \$22,895.00 |
| CUES         | TR508  | 20 KW Diesel Generator                                 | \$26,560.00 |
| CUES         | VMAC   | Under Hood PTO Driven Air compressor                   | \$18,400.00 |
| CUES         | Vanair | PTO Driven Air compressor                              | \$19,750.00 |
| CUES         | MEPS   | On Board AC Power System Dynamic Inverter 6.3 KW       | \$17,254.00 |
| CUES         | SINE   | On Board AC Power System Dynamic Inverter 3.0 KW       | \$12,739.00 |
| CUES         | Bumper | Extended Bumper with grading                           | \$950.00    |
| CUES         | RAMP   | Bumper Long Ramp for truck                             | \$2,300.00  |
| CUES         | LONCON | Add Lonseal to Control Room                            | \$2,335.00  |
| CUES         | LONEQ  | Add Lonseal to Equipment Room                          | \$4,387.00  |
| CUES         | KEMCON | Add Kemlite to Control Room                            | \$2,975.00  |
| CUES         | KEMEQ  | Add Kemlite to Equipment Room                          | \$3,250.00  |
| CUES         | ALUM   | Aluminum Diamond Plate Flooring                        | \$4,693.00  |
| CUES         | WC441  | Oversized Cabinet for Cutter, Transporter, and Cameras | \$3,726.00  |
| CUES         | EVO    | EVO Interior less equipment & generator                | \$43,768.00 |
| CUES         | WC412  | Upper Storage Cabinet                                  | \$1,101.00  |

An eleven (11) percent discount will be applied to all above pricing after final configuration is determined



Specifications for:

Ohio STS 670  
Contract No.: 800489

TV Inspection System  
Optional Equipment

| Manufacturer | Model    | Description   | Price      |
|--------------|----------|---|------------|
| CUES         | WC420B   | Double Closet   | \$2,700.00 |
| CUES         | WC420    | Single Closet   | \$1,578.00 |
| CUES         | WC433    | Base Cabinet Control room   | \$1,195.00 |
| CUES         | WC381    | Base Cabinet Equipment room   | \$2,006.00 |
| CUES         | WC468    | Sink and Faucet for base cabinet ER   | \$575.00   |
| CUES         | WC505    | Wall mounted Cabinet  | \$1,294.00 |
| CUES         | TR1933-9 | 10 Gallon Wash down   | \$1,251.00 |
| CUES         | TR1933-1 | 20 Gallon Wash down   | \$1,873.00 |
| CUES         | 008855   | 20 Gallon Wash down, sink upper/lower cabinet w/ retractable water hose reel light & outlet | \$4,064.00 |
| CUES         | 950056   | Retractable hose reel   | \$559.00   |
| CUES         | WC445    | Drawer stack under desk top   | \$1,210.00 |
| CUES         | WCVR     | Storage Cabinet under desk top  | \$1,110.00 |
| CUES         | WC440    | Bench Seat  | \$1,276.00 |
| CUES         | WC437    | Electronic Cabinet  | \$1,588.00 |
| CUES         | WC437    | Electronic Cabinet with breaker box   | \$3,088.00 |
| CUES         | WC419    | Work top on Reel  | \$525.00   |
| CUES         | EQCAB    | Oversized Cabinet for Cutter, Transporter, and Cameras                                      | \$3,240.00 |
| CUES         | SEE      | Step Bumper with Equipment Storage Cabinets   | \$2,875.00 |
| CUES         | TR1107   | Lockable storage under chassis  | \$1,134.00 |
| CUES         | TR1016   | Aluminum Storage Shelf  | \$395.00   |
| CUES         | TR1940-2 | Two drawer stack Aluminum Storage   | \$1,302.00 |
| CUES         | TR1006   | Slide out drawer for Cutter   | \$2,013.00 |

An eleven (11) percent discount will be applied to all above pricing after final configuration is determined



Specifications for:

Ohio STS 670  
Contract No.: 800489

TV Inspection System  
Optional Equipment

| Manufacturer | Model  | Description                            | Price      |
|--------------|--------|--|------------|
| CUES         | TR776  | Drawer Storage under reel              | \$1,034.00 |
| CUES         | TR1009 | Transporter drawer in kick plate       | \$1,443.00 |
| CUES         | TR1045 | Back up Camera with Monitor in Cab     | \$2,013.00 |
| CUES         | WC426  | Bulkhead Wall w/ storage shelves       | \$3,210.00 |
| CUES         | WC427  | Bulkhead Door                          | \$950.00   |
| CUES         | 491000 | Blank Panels for Retro                 | \$62.00 ea |
| CUES         | OUTLET | Add Additional Outlets to Unit         | \$55.00ea  |
| CUES         | LIGHT  | Add Additional Lighting to Unit        | \$120.00ea |
| CUES         | TR1028 | Low Profile AC Unit                    | \$2,108.00 |
| CUES         | TR1944 | Cool Cat AC Unit                       | \$2,815.00 |
| CUES         | TR1059 | Branch guard for AC Unit               | \$1,664.00 |
| CUES         | TR251  | Branch guard for Amber lights          | \$122.00ea |
| CUES         | TR835  | Interior mounted Crane                 | \$5,017.00 |
| CUES         | Crane  | Bumper mounted Crane                   | \$8,557.00 |
| CUES         | AWN    | Rear Awning                            | \$2,086.00 |
| CUES         | TR1113 | Traffic Director                       | \$1,449.00 |
| CUES         | TR792  | Intercom                               | \$358.00   |
| CUES         | EC1190 | CAT-5                                  | \$100.00   |
| CUES         | TR915  | Enclosed Lavatory                      | \$5,439.00 |
| CUES         | GX136  | 24" Rear Monitor                       | \$1,424.00 |
| CUES         | GX137  | 32" Rear Monitor                       | \$1,639.00 |
| CUES         | GX136B | Bulkhead wall upgrade for rear monitor | \$959.00   |
| CUES         | CONE   | Cone Holders mounted on Bumper         | \$270.00   |

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Specifications for:

Ohio STS 670  
Contract No.: 800489

TV Inspection System  
Optional Equipment

| Manufacturer | Model    | Description                                  | Price       |
|--------------|----------|--|-------------|
| CUES         | Door     | Curbside Door                                | \$1,093.00  |
| CUES         | TR457    | Flood Lights                                 | \$103.00 ea |
| CUES         | TR1153   | Amber lights                                 | \$201.00    |
| CUES         | TR1310   | Rack Assembly                                | \$850.00    |
| CUES         | TR1153   | Reel Desk Shifter                            | \$612.00    |
| CUES         | TR010    | Main Wiring Harness                          | \$1,021.00  |
| CUES         | TR1942   | System Select                                | \$2,988.00  |
| CUES         | TR757    | Chair  | \$410.00    |
| CUES         | HD RTR   | Retro hardware kit                           | \$832.00    |
| CUES         | TR1043   | Mounts for monitors                          | \$598.00    |
| CUES         | TR2337   | Carbon Monoxide detector                     | \$58.00     |
| CUES         | TR1745   | Built in Microwave in cabinet                | \$1,200.00  |
| CUES         | TR2221   | Built in Refrigerator in cabinet             | \$2,080.00  |
| CUES         | 988458   | Eye wash station                             | \$161.00    |
| CUES         | 865002   | First Aid Kit                                | \$124.00    |
| CUES         | 940608   | Vise   | \$258.00    |
| CUES         | TR4708   | Spotlight Assembly                           | \$586.00    |
| CUES         | HITCH    | Pental Hitch                                 | \$603.00    |
| CUES         | TR795    | Hide-away Strobe Kit                         | \$1,224.00  |
| CUES         | W042     | Tow Hook                                     | \$512.00    |
| CUES         | 500200A  | Wall Heater                                  | \$508.00    |
| CUES         | TR1935-1 | Ambient Lighting in lieu of lighting in base | \$3,130.00  |

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Specifications for:

Ohio STS 670  
Contract No.: 800489

**TV Inspection System  
Optional Equipment**

| <b>Manufacturer</b> | <b>Model</b> | <b>Description</b>  | <b>Price</b>    |
|---------------------|--------------|---|-----------------|
| CUES                | TR1935       | Ambient Lighting  | \$4,975.00      |
| CUES                | TR1090       | 5 Drawer tool box   | \$932.00        |
| CUES                | TR868        | 7 Drawer tool box   | \$1,999.00      |
| CUES                | Summit       | Permanent Truck mount Summit system with Standard Truck mounted TV Cable Reel | \$39,676.00     |
| CUES                | IGGY         | Portable system Truck mount Portable Reel w/ 1000' Cable                      | \$33,217.00     |
| CUES                | MD906-2      | Truck mount Portable K-2 Case   | \$2,750.00      |
| CUES                | MD345        | Easement Roller   | \$3,139.00      |
| CUES                | 120809       | Soft mount for dolly  | \$545.00        |
| CUES                | MD902-1      | Add Auto Payout System to Customer TV Reel                                    | \$6,731.00      |
| CUES                | AUTO         | Auto Payout System new TV Reel  | \$5,158.00      |
| CUES                | BRAKE        | Add Hydraulic Brake to Reel   | \$6,567.00      |
| CUES                | LED          | LED Light head for OZII and Nite Lite Camera                                  | \$2,359.00      |
| CUES                | LASER        | Laser diodes with measurements  | \$7,122.00      |
| CUES                | TR1951       | Stand alone Transporter Controller  | \$3,329.00      |
| CUES                | MC320        | Desk mount Transporter Controller   | \$1,615.00      |
| CUES                | MC322        | Transporter foot pedal  | \$3,000.00      |
| CUES                | MZ320        | Desk mount Camera Controller  | \$3,329.00      |
| CUES                | OZ302-5      | Stand alone Camera Controller   | \$1,939.00      |
| CUES                | EL115        | Add Additional Video Cable to Dolly Up to 1,000' (100' Increments)            | \$5.60 Per Foot |
| CUES                | WM305        | Add Additional Platinum Cable to Dolly Up to 1,200' (100' Increments)         | \$6.92 Per Foot |

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Specifications for:

Ohio STS 670  
Contract No.: 800489

TV Inspection System  
Optional Equipment

| Manufacturer | Model    | Description   | Price       |
|--------------|----------|---|-------------|
| CUES         | CZ300    | Spare OZII Camera   | \$21,228.00 |
| CUES         | MZ300    | Spare OZIII Camera  | \$21,228.00 |
| CUES         | CZ300L   | Inclinometer Upgrade to detect and display pipeline gradient Pan & Tilt Camera  | \$4,491.00  |
| CUES         | MZ904-16 | Built in Sonde 512MZ Transmitter  | \$2,795.00  |
| CUES         | TR484    | Access Door   | \$391.00    |
| CUES         | TR238    | Foul Weather Door   | \$473.00    |
| CUES         | TR1942-5 | Lateral Reinstatement System to Include:<br>500' Air Hose, Air Hose Reel, Kangaroo Cutter for<br>6" to 12" Pipe   | \$98,009.00 |
| CUES         | RK356-6  | Air Hose Reel   | \$12,723.00 |
| CUES         | KC006    | 500' Air Hose   | \$2,094.00  |
| CUES         | 9001LP   | Spare Kangaroo Cutter for 6" to 10" Pipe  | \$23,362.00 |
| CUES         | KC051-1  | Cutter Repair kit   | \$5,662.00  |
| CUES         | KC039    | 12" Cutter Skid   | \$1,097.00  |
| CUES         | Hose     | Spare 500' Air hose for Cutter Reel   | \$2,583.00  |
| CUES         | GK400    | Giant Kangaroo Cutter for 12" to 24" Pipe   | \$29,852.00 |
| CUES         | GK349-1  | Cutter Controller   | \$5,841.00  |
| CUES         | LEVEL    | Level wind for Cutter Reel  | \$3,115.00  |
| CUES         | LT350-5  | Lateral and Mainline which enables the operator to perform a one pass inspection of the mainline and adjacent laterals with the forward pan & tilt camera and lateral inspection camera launched from the mainline Includes lateral footage | \$70,376.00 |
| CUES         | LT603    | Spare 80' Metal Push Cable for LAMP System  | \$3,359.00  |
| CUES         | LT603-2  | Spare 100' Metal Push Cable for LAMP System   | \$3,704.00  |

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Specifications for:

Ohio STS 670  
Contract No.: 800489

TV Inspection System  
Optional Equipment

| Manufacturer | Model     | Description  | Price        |
|--------------|-----------|--|--------------|
| CUES         | LM936-1   | Lateral and Mainline Launch System, Wheeled With front Pan and Tilt Zoom Camera System To Simultaneously inspect 6-15" mainline and Adjacent lateral services          | \$96,638.00  |
| CUES         | CW900     | Large Schwalm cutter system  | \$288,071.00 |
| CUES         | CW900sm   | Small Schwalm cutter system  | \$244,601.00 |
| CUES         | CW900-1   | Large Schwalm Only with spares   | \$192,132.00 |
| CUES         | CW306     | Schwalm Reel Only  | \$11,794.00  |
| CUES         | TR2432    | Schwalm 500' Hose Only   | \$5,610.00   |
| CUES         | SR300-13S | Spare PSIII auto upright/ sonde lateral camera   | \$5,907.00   |
| CUES         | LM709-2   | Spare 100' Push Cable for LAMP System  | \$859.00     |
| CUES         | LM709-4   | Spare 120' Push Cable for LAMP System  | \$1,030.00   |
| CUES         | LM309-5   | Spare 150' Push Cable for LAMP System  | \$1,288.00   |
| CUES         | LM932     | Straight Chute Kit   | \$2,272.00   |
| CUES         | PRE       | Pre Wire for Lamp  | \$6,264.00   |
| CUES         | LM354     | Retro fit Lamp II ALT to P & T lateral camera  | \$36,505.00  |
| CUES         | LM380     | Retro fit Lamp II steel to P & T lateral camera  | \$51,781.00  |
| CUES         | LH900     | Lateral and Mainline Launch System, Wheeled With front Pan and Tilt Zoom Camera System To Simultaneously inspect 6-15" mainline and Adjacent Pan & Tilt lateral camera | \$125,417.00 |
| CUES         | LM712-HS  | Spare 80' Push Cable for LAMP System   | \$1,247.00   |
| CUES         | LM712-1HS | Spare 100' Push Cable for LAMP System  | \$1,361.00   |
| CUES         | LM712-3HS | Spare 120' Push Cable for LAMP System  | \$1,474.00   |
| CUES         | LM712-4HS | Spare 150' Push Cable for LAMP System  | \$1,645.00   |
| CUES         | LH901     | Spare Pan & Tilt Lateral Camera  | \$21,168.00  |

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Specifications for:

Ohio STS 670  
Contract No.: 800489

**TV Inspection System  
Optional Equipment**

| <b>Manufacturer</b> | <b>Model</b> | <b>Description</b>   | <b>Price</b> |
|---------------------|--------------|--|--------------|
| CUES                | LM906        | Rear View Camera for Lamp system   | \$3,780.00   |
| CUES                | SR300-13     | Spare Mini Camera  | \$5,694.00   |
| CUES                | LM931        | Pneumatic tires with angled chute  | \$3,383.00   |
| CUES                | LM935        | 14" Pneumatic tires  | \$1,357.00   |
| CUES                | LP900        | Camera Mounted Laser Profiler and Measurement System for 6" – 15" Pipe                 | \$19,791.00  |
| CUES                | LP900-1      | Skid Mount Laser Profiler and Measurement 8" to 24" Pipe                               | \$26,201.00  |
| CUES                | LP900-D      | Laser Profile Tractor Mount DOT for 12" to 48" Pipe                                    | \$46,939.00  |
| CUES                | LP900-2      | Laser Profile Tractor Mount for 6" to 48" Pipe   | \$54,098.00  |
| CUES                | LP900-3      | Laser Profile Tractor Mount for 6" to 80" Pipe   | \$85,150.00  |
| CUES                | MS190        | Video Micrometer   | \$2,160.00   |
| CUES                | SF115-1      | Sonar/TV System, Multi-Conductor, for Submerged & Semi-Submerged 6" to 24" Pipelines   | \$95,596.00  |
| CUES                | SF115        | Sonar only System, Multi-Conductor, for Submerged & Semi-Submerged 6" to 24" Pipelines | \$65,175.00  |
| CUES                | MZ352        | 6" Skid for OZIII  | \$2,197.00   |
| CUES                | CP303        | 6" Skid for OZII   | \$1,875.00   |
| CUES                | 610460-1     | 8-15" Skid   | \$1,308.00   |
| CUES                | 610458       | 8-30" Skid   | \$1,762.00   |
| CUES                | 6100021      | 36-60" Skid extenders  | \$964.00     |
| CUES                | SF310        | Collapsible Sonar Float  | \$13,382.00  |
| CUES                | SF300-1      | Sonar only Float   | \$8,869.00   |
| CUES                | SF328-2      | Sonar Head   | \$33,777.00  |

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Specifications for:

Ohio STS 670  
Contract No.: 800489

TV Inspection System  
Optional Equipment

| Manufacturer | Model     | Description  | Price        |
|--------------|-----------|--|--------------|
| CUES         | 506901    | Float Assembly   | \$4,644.00   |
| CUES         | 0703002   | 1,000' Float Line Reel   | \$567.00     |
| CUES         | TR555-1   | Substitute Single Conductor System with 2000' of Single Conductor Cable IN LIEU OF Multi-Conductor System offered in base.   | \$11,319.00  |
| CUES         | TR640     | Electronic Gear Selector for Reel  | \$4,126.00   |
| CUES         | TZ901-1   | IMX truck-mounted pan, tilt, and zoom camera system shall be designed for use in pipes 6" in diameter and up with the ability to illuminate and inspect manholes and large diameter pipes at distances up to 300'. | \$138,962.00 |
| CUES         | TZ302-1   | IMX Camera Assembly Only   | \$61,605.00  |
| CUES         | MD603     | Logi Wireless Controller for K-2   | \$205.00     |
| CUES         | MD933-2   | DV-SD for Truck Mount  | \$2,079.00   |
| CUES         | TR644     | Rear Controller  | \$691.00     |
| CUES         | 491129    | Reel Panel   | \$158.00     |
| CUES         | RL023     | Slip Ring Assembly   | \$1,682.00   |
| CUES         | TR1732    | Diesel Heater Kit  | \$5,357.00   |
| CUES         | RP124     | Metal Cable End Repair Kit   | \$475.00     |
| CUES         | RP124-1   | Metal End  | \$254.00     |
| CUES         | 555555    | Small Stand Alone Air Compressor with Tank   | \$2,852.00   |
| CUES         | TR1934-1  | Large Stand Alone Air Compressor with Tank   | \$5,945.00   |
| CUES         | TR286     | .68HP Air Compressor w/ 3 gallon tank  | \$797.00     |
| CUES         | TR507     | Sullair Air Compressor   | \$18,119.00  |
| CUES         | 6205011-1 | Electric winch   | \$8,879.00   |

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Specifications for:

Ohio STS 670  
Contract No.: 800489

TV Inspection System  
Optional Equipment

| Manufacturer | Model    | Description  | Price          |
|--------------|----------|--|----------------|
| CUES         | 0705001  | 500' Power cord reel   | \$2,522.00     |
| CUES         | RL372    | 1000' Power Cord Reel mounted under Truck with enclosure   | \$9,756.00     |
| CUES         | LT900B   | Pre wire for Lamp System   | \$3,105.00     |
| CUES         | DOHOL    | Down hole Equipment  | \$1,480.00     |
| CUES         | FACS015  | Additional Training (Per Day)  | \$835.00       |
| CUES         | LOW      | Low-Viscosity Sealing System to include:<br>500' Hose, Quad Reel, Chemical tanks,<br>Transfer Pump, Test and Seal Control Panel,<br>75 Gallon Washdown System, 4.0 CFM Air<br>Compressor, Invert Seal Roller, and<br>Grout Accessory Package | \$101,888.00   |
| CUES         | LOW-EASY | Upgrade to the Easy Grout system   | \$36,336.00    |
| CUES         | CAT      | Upgrade to the Cat Pumps for Grout system  | \$21,388.00    |
| CUES         | SS705    | Logiball Ready Upgrade for Sealing System<br>Includes vacuum pump and required cabling and<br>Connections. (Penta Hose Upgrade Required)   | \$16,341.00    |
| CUES         | HI-VIS   | Upgrade to High-Low Viscosity Sealing System   | \$11,565.00    |
| CUES         | HW2326   | 650' Penta Hose  | \$12,663.00    |
| CUES         | RL346    | Penta Hose Reel No Penta hose  | \$17,280.00    |
| CUES         | 4001210  | Manhole Sealing Gun  | \$2,370.00     |
| CUES         | DUC      | DUC CUES High Definition camera system with<br>HD Digital Side Scanning Camera, upgrade to<br>TV reel, & Granite Digital Processing DUC<br>Software module for Computer system   | \$95,000.00    |
| CUES         | DUC -R   | Remove DUC CUES High Definition camera<br>DUC Ready only   | <-\$65,000.00> |
| CUES         | RL600-1  | TV Reel no cable   | \$12,807.00    |

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Specifications for:

Ohio STS 670  
Contract No.: 800489

**TV Inspection System  
Optional Equipment**

| <b>Manufacturer</b> | <b>Model</b> | <b>Description</b>   | <b>Price</b>     |
|---------------------|--------------|--|------------------|
| CUES                | RL001        | Retro TV Cable Reel  | \$2,115.00       |
| CUES                | MD924-2      | Retro TV Cable Reel for Summit                             | \$2,841.00       |
| CUES                | DOHOL        | Down hole Equipment  | \$2,470.00       |
| CUES                | W002922      | Multi Tool Kit   | \$689.00         |
| CUES                | FACQC        | Test and Evaluate Customer Truck before<br>And After Retro | \$2,875.00       |
| CUES                | TRU          | TruVue System  | \$5,414.00       |
| CUES                | LABOR        | Labor for Retro  | \$904.00 per Day |
| CUES                | FACS015      | Additional Training (Per Day)                              | \$835.00         |
| CUES                | 2017         | 2017 Model Year Update for Equipment & Chassis             | \$12,000.00      |
| CUES                | 2018         | 2018 Model Year Update for Equipment & Chassis             | \$18,000.00      |
| CUES                | 2019         | 2019 Model Year Update for Equipment & Chassis             | \$24,000.00      |

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Specifications for:

Ohio STS 670  
Contract No.: 800489

**Data System  
And Optional Modules**

| <b>Manufacturer</b> | <b>Model</b> | <b>Description</b>  | <b>Price</b> |
|---------------------|--------------|---|--------------|
| CUES                | GN1350       | Rack Mount Computer, Monitor, Printer Keyboard and Mouse for Granite                            | \$4,900.00   |
| CUES                | GN1351       | Laptop Computer, Monitor, Printer Keyboard and Mouse for Granite                                | \$3,800.00   |
| CUES                | GN1500       | Pipeline Data Collection & Real Time Video Capture System. Monitor, Keyboard, Mouse and Printer | \$21,351.00  |
| CUES                | GN350        | Video Capture System with Laptop Computer IN LIEU OF Rack Mount Computer                        | \$19,750.00  |
| CUES                | GN1400       | Basic Pipeline Data Collection & Real Rack mount computer w/ printer                            | \$15,303.00  |
| CUES                | GN901        | Software Only   | \$17,172.00  |
| CUES                | GN902        | Basic Inspection Software Only  | \$10,692.00  |
| CUES                | GN903        | Basic Inspection Software No Video Only   | \$5,400.00   |
| CUES                | GN903        | Basic Inspection Software No Video Only   | \$5,400.00   |
| CUES                | GN904        | GNET Office   | \$1,350.00   |
| CUES                | GN905        | Viewer  | \$59.00      |
| CUES                | GN909        | GNET Basic for Tablet   | \$4,909.00   |
| CUES                | GN910        | GNET Basic Mainline Tablet  | \$5,821.00   |
| CUES                | GN911        | GNET Supervisor Tablet  | \$4,099.00   |
| CUES                | GN504        | Core Advanced Feature   | \$5,508.00   |
| CUES                | GN505        | Core Basic Feature  | \$1,301.00   |
| CUES                | GN506        | CUES Pipescore NASSCO Module  | \$1,075.00   |
| CUES                | GN507        | PACP Export Module (NASSCO certified)   | \$2,720.00   |
| CUES                | GN508        | MACP Module   | \$3,275.00   |
| CUES                | GN509        | LACP Module   | \$3,275.00   |

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Specifications for:

Ohio STS 670  
Contract No.: 800489

**Data System  
And Optional Modules**

| <b>Manufacturer</b> | <b>Model</b> | <b>Description</b>  | <b>Price</b> |
|---------------------|--------------|---|--------------|
| CUES                | GN510        | Mainline INSP Module  | \$4,099.00   |
| CUES                | GN511        | Node INSP Module  | \$3,275.00   |
| CUES                | GN512        | Lateral Assets Module to capture Inspection data, observation details, video, and Pictures, which are all linked to the lateral structure | \$3,275.00   |
| CUES                | GN513        | Distance ACQUI Module   | \$535.00     |
| CUES                | GN514        | Video Indexing Module   | \$49.00      |
| CUES                | GN515        | Video Recording Module  | \$2,673.00   |
| CUES                | GN516        | Image Capture Module  | \$421.00     |
| CUES                | GN517        | Titling Module  | \$535.00     |
| CUES                | GN518        | GNET Media Linking Module   | \$1,075.00   |
| CUES                | GN518-0      | GNET Media Linking Module for Office  | \$1,076.00   |
| CUES                | GN519        | GPS Module  | \$3,275.00   |
| CUES                | GN520        | GNET User Management Module   | \$2,155.00   |
| CUES                | GN521        | GNET ESRI Interface module  | \$7,555.00   |
| CUES                | GN521-C      | GNET ESRI GIS Plug in module with run engine And Implementation   | \$15,688.00  |
| CUES                | GN522        | Automatic Scheduler Module  | \$1615.00    |
| CUES                | GN523        | GNET ESRI Import Module   | \$2,166.00   |
| CUES                | GN523-0      | GNET ESRI Office Import Module  | \$2,166.00   |
| CUES                | GN524        | Formula Fields Module   | \$3,710.00   |
| CUES                | GN524-0      | Formula Fields Office Module  | \$3,710.00   |
| CUES                | GN525        | Scoring Module Inspection Edition   | \$3,313.00   |
| CUES                | GX525        | GXP ESRI GIS Plug In Module   | \$9,720.00   |

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Specifications for:

Ohio STS 670  
Contract No.: 800489

**Data System  
And Optional Modules**

| <b>Manufacturer</b> | <b>Model</b> | <b>Description</b>   | <b>Price</b> |
|---------------------|--------------|--|--------------|
| CUES                | GX525-C      | GXP ESRI GIS Plug In Module with run engine And Implementation   | \$15,687.00  |
| CUES                | GN576        | ESRI Data GIS System Implementation  | \$4,995.00   |
| CUES                | GX527        | ArcGis Runtime Engine (only)   | \$972.00     |
| CUES                | GN526        | Software Data Transfer   | \$211.00     |
| CUES                | GN527        | Report Designer Module   | \$1,075.00   |
| CUES                | GN527-0      | Report Designer Office Module  | \$1,075.00   |
| CUES                | GN530        | Enterprise DB Module   | \$2,214.00   |
| CUES                | GN531        | DUC Video REC Module   | \$7,177.00   |
| CUES                | GN532        | DUC Flat Gen Module  | \$1,339.00   |
| CUES                | GN533        | DUC Review Module  | \$448.00     |
| CUES                | GN534        | Future Scan REC Module   | \$10,800.00  |
| CUES                | GN536        | Premium & Enhanced Support Plan  | \$1,998.00   |
| CUES                | GN537        | Basic & Lite Support Plan  | \$1,277.00   |
| CUES                | GN538        | GNET Office Support Plan   | \$389.00     |
| CUES                | GN540        | GNET Basic Support Re-Enroll   | \$1,943.00   |
| CUES                | GN542        | GNET Office Full Point Upgrade   | \$1,388.00   |
| CUES                | GN545        | GNET Premium Full Point Upgrade  | \$4,662.00   |
| CUES                | GN546        | GNET Premium Re-Enroll   | \$2,775.00   |
| CUES                | GN549        | Inclinometer Module to accurately capture and graph the slope of the pipe and evaluate pipe conditions | \$2,268.00   |
| CUES                | GN550        | Consult GXP to GNET  | \$1,776.00   |
| CUES                | GN551        | Maximo Interface Module  | \$8,532.00   |
| CUES                | GN552        | GNET City Works Module   | \$5,400.00   |

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Specifications for:

Ohio STS 670  
Contract No.: 800489

**Data System  
And Optional Modules**

| <b>Manufacturer</b> | <b>Model</b> | <b>Description</b>   | <b>Price</b> |
|---------------------|--------------|--|--------------|
| CUES                | GN560        | HC264 Module   | \$420.00     |
| CUES                | GN567        | Portal Support Plan  | \$2,775.00   |
| CUES                | GN568        | Viewer Portal License  | \$7,560.00   |
| CUES                | GN576        | DATA Implementation  | \$4,995.00   |
| CUES                | GN577        | GNET City Works Implementation   | \$4,995.00   |
| CUES                | GN579        | WEB Portal Implementation  | \$4,995.00   |
| CUES                | GN580        | Hansen Data GIS System Implementation  | \$4,995.00   |
| CUES                | GN582        | Hansen Formula-Based Module.<br>A certified bi-directional interface to all Hansen   | \$8,532.00   |
| CUES                | GX508        | Grout and Seal Module (G&S)<br>The G&S module shall record pressure tests<br>Graphically and record the amount of material used  | \$3,275.00   |
| CUES                | GX506        | Structure, Manhole, and Nodes Module<br>to capture, inspection, and observation details,<br>which are all linked to the structure node or manhole  | \$3,275.00   |
| CUES                | GX513        | GXP WinCan Export Module to allow<br>data To be collected and exported to WinCan   | \$3,663.00   |
| CUES                | GX541        | GXP Engineering Edition for Office Allows<br>users to modify inspections and observations<br>gathered in the field, to review Existing Data,<br>synchronize inspections, capture images from<br>playback, and generate reports | \$771.00     |
| CUES                | GX540        | Granite XP Office Edition Encompasses<br>Engineering Edition with additional data<br>management capabilities to include the<br>creation of customized inspection<br>analysis and the capability to run on<br>Office databases  | \$9,435.00   |
| CUES                | GX546        | Sonar Software Module  | \$14,580.00  |
| CUES                | GX996        | GXP Digital Processing DUC software  | \$9,668.00   |

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**Data System  
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|---------------------|--------------|--|-------------------|
| CUES                | GX521        | Web Meeting/Evaluation from Cues Software Department | \$275.00 per hour |
| CUES                | GX537        | GXP Re-Enrollment Fee                                | \$2,775.00        |
| CUES                | TR1957       | Blank Panel & hardware for retro                     | \$103.00          |
| CUES                | TS800        | Titler   | \$5,615.00        |
| CUES                | TS801        | Double data Titler                                   | \$7,267.00        |
| CUES                | TR1937       | Uninterrupted Power supply                           | \$538.00          |
| CUES                | GXTRAIN      | Advanced Granite XP Training (per day)               | \$1,620.00        |
| CUES                | GP301        | Wireless GPS Mapping Stick                           | \$8,839.00        |
| CUES                | GP301-1      | Wireless GPS Mapping Stick no receiver               | \$5,700.00        |
| CUES                | GX524        | GXP GPS Software for Mapping Stick                   | \$3,275.00        |
| CUES                | GP312        | GPS Mapping stick back pack                          | \$8,352.00        |
| CUES                | TR775        | Adapter cable for IPEK                               | \$137.00          |
| CUES                | IPEK         | Buffer Kit and Footage Adapter cable for IPEK        | \$1,382.00        |
| CUES                | TR1159       | Adapter cable for Flexidata                          | \$131.00          |
| CUES                | FLEX         | Buffer Kit and Footage Adapter cable for Flexidata   | \$1,376.00        |
| CUES                | TR1217       | Adapter cable for WinCan                             | \$145.00          |
| CUES                | WIN          | Buffer Kit and Footage Adapter cable for Wincan      | \$1,390.00        |
| CUES                | TR2394       | Adapter cable for XBOB for WinCan Footage            | \$131.00          |
| CUES                | TR1331       | Adapter cable for Pipe Tech                          | \$132.00          |
| CUES                | PIPE         | Buffer Kit and Footage Adapter cable for PipeTech    | \$1,377.00        |
| CUES                | MS301        | Video Preamp w/ Micro                                | \$543.00          |
| CUES                | EC2462       | XBOB Titler  | \$847.00          |

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| <b>Manufacturer</b> | <b>Model</b> | <b>Description</b>              | <b>Price</b> |
|---------------------|--------------|---------------------------------|--------------|
| CUES                | XBOB         | XBOB titler for GNET Prodata    | \$1,512.00   |
| CUES                | XBOB-D       | XBOB Titler for GNET Doubledata | \$2,480.00   |
| CUES                | HD324        | Phidget Quad to USB             | \$1,061.00   |
| CUES                | GX168        | Hauppauge Video Capture Device  | \$130.00     |
| CUES                | TR2233       | 19" Flat Screen Monitor         | \$541.00     |
| CUES                | GX063        | 22" Flat Screen Monitor         | \$852.00     |
| CUES                | GX136        | 24" Flat Screen Monitor         | \$887.00     |
| CUES                | TR1255       | 32" Flat Screen Monitor         | \$1,080.00   |
| CUES                | TR2645       | 5" Monitor                      | \$304.00     |
| CUES                | TR1218       | Panel Mount for Monitor         | \$140.00     |
| CUES                | TR1040       | Monitor mount w/ Adjustable Arm | \$598.00     |
| CUES                | TR1239       | Wall Mount w/ Tilt              | \$158.00     |
| CUES                | NP076        | Swivel Mount for Monitor        | \$265.00     |

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