
"The Standard of the Industry"



Pricelist

March 11, 2014

Contract No. 800001

Index No. STS670

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Specifications for:

Ohio STS 670
Contract No.: 800001

**Pole Mounted Camera Inspection System
Base Unit**

Manufacturer	Model	Description	Price
CUES	QC350-1	Lite Stick Pole Camera	\$6,256.00
	1	Pole Camera Assembly, Wireless System to include:	
	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	

Note: At least one Optional Package must be selected in order for unit to be operational.

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



Specifications for:

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**Pole Mounted Camera Inspection System
Optional Equipment**

Manufacturer	Model	Description	Price
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	\$4,563.00
CUES	QE341-16HB	DV-SD Unit & High Brite Display for Wireless	\$4,563.00
CUES	QE341	LCD Display only	\$2,325.00
CUES	QC913-1	Wireless to Existing or New TV Unit	\$662.00
CUES	EC928-1	USB Video/Picture Capture to Laptop (Laptop NOT Included)	\$1,026.00
CUES	QE341-HB	High Brite Display	\$2,658.00
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.: 800001

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

Manufacturer	Model	Description	Price
CUES	QE910	Quick Zoom Pole Camera	\$14,896.00

1 5.8' - 24.5' (1.768m - 7.4676m) POLE MOUNTED CAMERA WITH ZOOM TO INCLUDE:

- 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

1 VEST & BATTERY KIT FOR POLE CAMERA TO INCLUDE:

- 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

***Note: At least one Optional Package must be selected in order for unit to be operational.**

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Specifications for:

Ohio STS 670
Contract No.: 800001

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

Manufacturer	Model	Description	Price
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	\$2,858.00
CUES	QE341-15	LCD Display w/ Video Transfer Device and Wireless Transmitter	\$4,282.00
CUES	QC913-1	Wireless receiver for TV Unit	\$662.00
CUES	TR1955	Wireless 2.4GHz Kit	\$1,548.00
CUES	QE906	Hard Wired to TV Unit	\$921.00
CUES	QE312	Tri-pod	\$1,099.00
CUES	EC2229-2	Transmitter for stand alone to TV unit	\$134.00
CUES	EC1737	9-15 Cell Battery charger	\$77.00
CUES	EC1650	Spare Lamp	\$141.00
CUES	QE325	Spare Battery	\$425.00
CUES	QE326	Wide Angle Lens	\$630.00
CUES	QEDDD	Distance, Depth and Diameter measurement	\$877.00
CUES	OPT ST	Wireless Receiver for Stand alone to TV Unit	\$726.00
CUES	EC1779	Spare 16GB Flash Drive	\$137.00
CUES	SHOT	Photo Plus Still Shot Software	\$302.00
CUES	QE311	Pressurization Kit	\$591.00
CUES	DP603-1LS	USB Video/Picture Capture to Laptop Laptop NOT Included)	\$892.00
CUES	QE310opt	34.6' Carbon Fiber Telescoping Pole in lieu of 24.5' Pole in base	\$1,021.00

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Specifications for:

Ohio STS 670
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**Portable, Battery Powered Small Diameter Pipe TV Inspection System
Base Unit**

Manufacturer	Model	Description	Price
CUES	MP2020	Portable Small Diameter Pipe TV Inspection System	\$8,321.00

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

1 100' (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
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**Portable, Battery Powered Small Diameter Pipe TV Inspection System
Optional Equipment**

Manufacturer	Model	Description	Price
CUES	Narrow	10" Tires mounted on Narrow side	\$1,575.00
CUES	CM042	Guide Ball 6-8"	\$268.00
CUES	062000	Hand held Microphone	\$124.00
CUES	CM324	MC Translator, Coiler to Truck System	\$316.00
CUES	EC1006	SC Adapter cable for Coiler to Truck System	\$335.00
CUES	EC004	Translator coiler to Single-Conductor Mainline	\$2,248.00
CUES	CM314	Wireless Transmission Kit	\$606.00
CUES	QC913	Wireless Receiver to work with Wireless Transmission Kit	\$662.00
CUES	DP274	Mini Keyboard	\$95.00
CUES	CM920	Push Cable end Kit & Spring	\$528.00
CUES	CM906	10" Tire Kit	\$366.00
CUES	HC329	6" Adjustable wheeled skate	\$1,099.00
CUES	HC149	Mini Camera III Plastic Adapter	\$184.00
CUES	HC335	8-15" Adjustable wheeled skate	\$1,130.00
CUES	HC508	Mini Camera III Adapter Tube	\$702.00
CUES	MS316	Digital Locator Kit for Use with Built-In Sonde	\$1,850.00
CUES	VR007	Wheeled down hole Guide Tube	\$1,006.00
CUES	300654	Down hole Guide tube	\$168.00
CUES	TR890	Portable System mount	\$177.00
CUES	471100	Down Hole Guide System	\$526.00
CUES	CS402	Tag Along Sonde for Mini Camera	\$1,328.00

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Specifications for:

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

Manufacturer	Model	Description	Price
CUES	QE341-HB	High Brite Display only	\$2,658.00
CUES	QE341	LCD Display only	\$2,325.00
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	\$3,999.00
CUES	CR010	Add Additional Cable to Wheeled Coiler Base system contains 100' – available in 100' Increments only up to a total of 400'	\$6.50 per Foot
CUES	CM012-7	400' of .197 diameter push rod	\$2,540.00
CUES	CM921	Video transfer device	\$1,721.00
CUES	CM300-2	Coiler No Cable or Monitor	\$6,875.00
CUES	Training	TV Inspection Equipment Training (per Day)	\$726.00

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Specifications for:

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

Manufacturer	Model	Description	Price
CUES	MPlus+	Portable Lateral & Mini-Mainline Push System	\$13,200.00

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.: 800001

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

Manufacturer	Model	Description	Price
CUES	CR010	Add Additional Cable to Wheeled Coiler Base system contains 100' – available in 100' Increments only up to a total of 400'	\$6.50 per Foot
CUES	CM024	Translator, Coiler to MC Truck System	\$260.00
CUES	CM324	MC 12 pin Translator, Coiler to Truck System	\$316.00
CUES	CM042	Guide Ball 6-8"	\$268.00
CUES	062000	Hand held Microphone	\$124.00
CUES	EC1006	SC Adapter cable for Coiler to Truck System	\$335.00
CUES	EC004-1	Translator coiler to Single-Conductor Mainline	\$2,563.00
CUES	CM314-2	Wireless Transmission Kit	\$693.00
CUES	QC913-3	Wireless Receiver to work with Wireless Transmission Kit	\$662.00
CUES	HC149	Mini Camera III Plastic Adapter	\$184.00
CUES	HC508	Mini Camera III Adapter Tube	\$702.00
CUES	HC335	8-15" Adjustable wheeled skate	\$1,130.00
CUES	HC329	6" Adjustable wheeled skate	\$1,099.00
CUES	MS316	Digital Locator Kit for Use with Built-In Sonde	\$1,850.00
CUES	MS319	Analog Locator Kit for Use with Built-In Sonde	\$1,239.00
CUES	TR890	Portable System mount	\$177.00
CUES	471100	Down Hole Guide System	\$526.00
CUES	CS402	Tag Along Sonde for Mini Camera	\$1,328.00
CUES	MS327	Locator Kit for Use with Built-In Sonde	\$3,097.00
CUES	LL300S	Pan & Tilt Camera	\$17,649.00
CUES	PS310S	PSIII Camera	\$4,121.00
CUES	PS315S	PSIII Camera w/ built in Sonde	\$4,789.00

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Specifications for:

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

Manufacturer	Model	Description	Price
CUES	PS300-12S	PSIII Camera auto up-right	\$5,153.00
CUES	PS300-13S	PSIII 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	CH901	Kit, Line Post	\$2,658.00

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Specifications for:

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Contract No.: 800001

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

Manufacturer	Model	Description	Price
CUES	K-2		\$54,000.00

**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]



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

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Specifications for:

Ohio STS 670
Contract No.: 800001

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

Manufacturer	Model	Description	Price
CUES	MD330	K-2 Auto Payout Reel in lieu of Iggy dolly Electric Motor Rewind Automatic Payout Feature for Video / Power Cable Automatic Level wind Electronic Footage Meter Mounting Frame for Power Control Unit Must Accommodate Optional Wheeled Frame for Easy Transport Must Accommodate Optional Handle for Easy Transport	\$11,055.00
CUES	WM305	1000' Platinum Cable for auto payout reel in lieu of	\$693.00
CUES	MD906	PCU Case for auto payout reel in lieu of	\$2,995.00
CUES	MD633	Wireless controller	\$500.00
CUES	MD321	Handle for Auto payout reel	\$884.00
CUES	MD905	Wheels for K-2 Dolly	\$683.00
CUES	MD313	Easement Arm Assembly for Truck Mount Auto payout reel	\$1,938.00
CUES	DS008	Dolly Truck Mount	\$500.00
CUES	VR007	Wheeled down hole Guide Tube	\$1,006.00
CUES	300654	Down hole Guide tube	\$168.00
CUES	500090	30" Manhole hook	\$78.00
CUES	Clutch	Dolly electric clutch w/ hand held controller Upgrade for Iggy dolly	\$2,460.00
CUES	MD933	Video transfer device for K-2 system	\$1,721.00
CUES	MZ352	6" Skid for OZIII	\$2,197.00
CUES	CP303	6" Skid for OZII	\$1,766.00
CUES	610460-1	8-15" Skid	\$1,231.00
CUES	610458	8-30" Skid	\$1,658.00
CUES	6100021	36-60" Skid extenders	\$964.00
CUES	MZ904	Adapter Tube for OZIII	\$2,642.00

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Specifications for:

Ohio STS 670
Contract No.: 800001

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

Manufacturer	Model	Description	Price
CUES	IPEK	Buffer Kit and Footage Adapter cable for IPEK	\$1,251.00
CUES	FLEX	Buffer Kit and Footage Adapter cable for Flexidata	\$1,245.00
CUES	WIN	Buffer Kit and Footage Adapter cable for Wincan	\$1,258.00
CUES	PIPE	Buffer Kit and Footage Adapter cable for PipeTech	\$1,218.00
CUES	SHOT	Photo Plus Still Shot Software	\$302.00
HONDA	560173	1,000 Watt Portable Generator	\$1,933.00
HONDA	560175	3,000 Watt Portable Generator	\$2,647.00

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Mainline TV Inspection System for 6" and Larger Mainline Pipelines

Manufacturer	Model	Description	Price
			\$85,000.00

Base Station Portable Mainline TV Inspection System

- 1 BASE STATION FOR .450 CABLE PORTABLE VIDEO INSPECTION SYSTEM REEL & ENCLOSURE**
 - 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 CABLE, TEST, PORTABLE 2**

- 1 8.7" MINI KEYBOARD**

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



Specifications for:

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- 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**

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Specifications for:

Ohio STS 670
Contract No.: 800001

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

Manufacturer	Model	Description	Price
CUES	DVD	DVD Recorder w/ Hand held Microphone	\$876.00
CUES	MD633	Wireless Controller	\$500.00
HONDA	EC797	2,000 Watt Portable Generator	\$2,288.00
CUES	MS208	10 Gallon wash down spray pump system	\$225.00

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Specifications for:

Ohio STS 670
Contract No.: 800001

**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	\$99,800.00

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



Specifications for:

**Ohio STS 670
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- 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**



Specifications for:

**Ohio STS 670
Contract No.: 800001**

- 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.: 800001

**Trailer Mounted
Optional Equipment**

Manufacturer	Model	Description	Price
CUES	EVOII	Trailer Evolution Series interior Portable System	\$19,575.00
CUES	EVOII	Trailer Evolution Series interior Truck System	\$21,760.00
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	<-\$1,393.00>
CUES	6 X 10	6 X 10 Trailer in lieu of 12' trailer in Base	<-\$1,084.00>
CUES	6 X 12	6 X 12 Trailer in lieu of 7 X 12' trailer in Base	<-\$1,001.00>
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 7,000 GVW in lieu of 14' trailer in Base	\$2,974.00
CUES	8 X 16	8 X 16 Trailer 10,000 GVW in lieu of 14' trailer in Base	\$3,909.00

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



Specifications for:

Ohio STS 670
Contract No.: 800001

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

Manufacturer	Model	Description	Price
CUES	TRL	Trailer mounted Grout System tag Along to TV Unit	\$137,902.00

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



Specifications for:

**Ohio STS 670
Contract No.: 800001**

- 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.: 800001**

- 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.: 800001

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

Manufacturer	Model	Description	Price
CUES	EVOII	Trailer Evolution Series interior Portable System	\$19,575.00
CUES	EVOII	Trailer Evolution Series interior Truck System	\$21,760.00
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	<-\$1,393.00>
CUES	6 X 10	6 X 10 Trailer in lieu of 12' trailer in Base	<-\$1,084.00>
CUES	6 X 12	6 X 12 Trailer in lieu of 7 X 12' trailer in Base	<-\$1,001.00>
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 7,000 GVW in lieu of 14' trailer in Base	\$2,974.00
CUES	8 X 16	8 X 16 Trailer 10,000 GVW in lieu of 14' trailer in Base	\$3,909.00

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



Specifications for:

Ohio STS 670
Contract No.: 800001

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

Manufacturer	Model	Description	Price
CUES	Cargo Van	Cargo Van Mounted Mainline TV Inspection Summit System for the inspection of 6" and larger Sanitary Sewers and Storm Drains	\$136,780.00
		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.: 800001**

- 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.: 800001**

- 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.: 800001

Optional Equipment

Manufacturer	Model	Description	Price
CUES	CV-FORD	Gas Ford Chassis IN LIEU OF GMC chassis in base unit	\$4,502.00
CUES	CV-Diesel	Diesel Chassis and Generator IN LIEU OF Gasoline chassis and generator in base unit	\$23,254.00
CUES	Bubble	FULL HEIGHT BUBBLE TOP	\$7,792.00
CUES	4 X 4	Quigley 4 X 4 Conversion	\$19,048.00

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



Specifications for:

Ohio STS 670
Contract No.: 800001

**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	\$156,050.00

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



Specifications for:

**Ohio STS 670
Contract No.: 800001**

- 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.: 800001**

- 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.: 800001

Optional Equipment

Manufacturer	Model	Description	Price
CUES	BUMP	Rear Bumper Crane for Sprinter	\$5,679.00
CUES	TR776	One Drawer Storage under the reel	\$920.00
CUES	High	Sprinter chassis w/ 14' Box & EVO II Interior In lieu of Sprinter Cargo Van in Base	\$13,285.00
CUES	MEPS	Onboard AC Power System Dynamic Inverter 6.3 KW in lieu of 3.0 KW in base	\$3,565.00

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



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

Manufacturer	Model	Description	Price
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	\$138,474.00

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 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 "Safety Plus Visual" Viewing Window in Bulkhead Wall
 - 1 Above Desk 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 HI-CUBE VAN EQUIPMENT ROOM INTERIOR 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



Specifications for:

**Ohio STS 670
Contract No.: 800001**

- 1 110-Volt Fluorescent 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 (Minimum) Commercial Grade Generator
 - 1 Gasoline Powered
 - 1 Electric Start

- 1 GENERATOR COMPARTMENT [UNDER CHASSIS MOUNT]**
 - 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



Specifications for:

**Ohio STS 670
Contract No.: 800001**

- 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**
 - 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



Specifications for:

**Ohio STS 670
Contract No.: 800001**

- 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.: 800001

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

Manufacturer	Model	Description	Price
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.	\$22,166.00
CUES	TR1940	One Drawer Storage	\$777.00
CUES	AERO	Aero Cap	\$3,853.00

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



Specifications for:

Ohio STS 670
Contract No.: 800001

**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	\$158,524.00

- 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 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 "Safety Plus Visual" Viewing Window in Bulkhead Wall
 - 1 Above Desk 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**



Specifications for:

**Ohio STS 670
Contract No.: 800001**

- 1 TV HI-CUBE VAN EQUIPMENT ROOM INTERIOR 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
 - 1 110-Volt Fluorescent 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 (Minimum) Commercial Grade Generator
 - 1 Gasoline Powered
 - 1 Electric Start

- 1 GENERATOR COMPARTMENT [UNDER CHASSIS MOUNT]**
 - 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



Specifications for:

**Ohio STS 670
Contract No.: 800001**

- 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**
 - 1 Milliamp meter Tool
 - 1 Electrical Tape
 - 1 Needle Nose Pliers
 - 1 Six-In-One Screwdriver
 - 1 6" Adjustable Wrench
 - 1 Anti Seize Grease



Specifications for:

**Ohio STS 670
Contract No.: 800001**

- 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.: 800001

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

Manufacturer	Model	Description	Price
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.	\$18,659.00

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



Specifications for:

Ohio STS 670
Contract No.: 800001

**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	\$156,537.00

- 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 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 "Safety Plus Visual" Viewing Window in Bulkhead Wall
 - 1 Above Desk 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**



Specifications for:

**Ohio STS 670
Contract No.: 800001**

- 1 TV HI-CUBE VAN EQUIPMENT ROOM INTERIOR 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
 - 1 110-Volt Fluorescent 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 (Minimum) Commercial Grade Generator
 - 1 Gasoline Powered
 - 1 Electric Start

- 1 GENERATOR COMPARTMENT [UNDER CHASSIS MOUNT]**
 - 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
 - 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



Specifications for:

**Ohio STS 670
Contract No.: 800001**

- 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.: 800001

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

Manufacturer	Model	Description	Price
CUES	F-450-DRW	Ford F-450 DRW Gas Cab Chassis in lieu of E 450 G in base	(-\$1,079.00)
CUES	F-450-DRW	Ford F-450 DRW Diesel Cab Chassis in lieu of E 450 G in base	\$11,526.00
CUES	F-550-DRW	Ford F-550 DRW Gas Cab Chassis in lieu of E 450 G in base	\$890.00
CUES	F-550-DRW	Ford F-550 DRW Diesel Cab Chassis in lieu of E 450 G in base	\$17,106.00

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



Specifications for:

Ohio STS 670
Contract No.: 800001

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	\$190,403.00

- 1 **TV Step Van, Diesel with Automatic Transmission and 18' Load space**
 - 1 Blackout Curtain
- 1 **TV STEP 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 Kemlite Wall Covering
 - 1 Embossed Aluminum Ceiling
 - 1 Bulkhead Wall with Passage Door from Control Room to Equipment Room
 - 1 "Safety Plus Visual" Viewing Window in Bulkhead Wall
 - 1 Above Desk 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 STEP VAN EQUIPMENT ROOM INTERIOR TO INCLUDE:**
 - 1 Interlocking Smooth Aluminum Floor with Non-Skid Strips
 - 1 Smooth Aluminum Walls
 - 1 Embossed Aluminum Ceiling
 - 1 Climate Controlled Breaker Box/Electronics Storage Area with Locking Positive Latches
 - 1 Electrical Outlet with Dual Receptacles
 - 1 110-Volt Fluorescent Light Fixture
 - 1 12-Volt Courtesy Light with 15 Minute Timer Located at Rear Door Area
- 1 **ONSEAL LONPLATE FLOORING IN EQUIPMENT ROOM**
- 1 **7500 WATT QUIET DIESEL ONAN GENERATOR**
 - 1 120 Volt 60 HZ 7500 Watt (Minimum) Commercial Grade "Quiet" Generator
 - 1 Diesel 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
 - 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



Specifications for:

**Ohio STS 670
Contract No.: 800001**

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.: 800001

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

Manufacturer	Model	Description	Price
CUES	SV	F59 Step Van Gasoline chassis and generator in lieu of Diesel chassis and generator in base	<\$22,363.00>
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.: 800001

Optional Transporters & Accessories

Manufacturer	Model	Description	Price
CUES	MC218	US21 Track Transporter Extenders for 18" to 24" Mainline Inspection	\$988.00
CUES	MC351	Spare Ultra Shorty 21 Track Transporter for 6-15" Mainline Inspection	\$8,743.00
CUES	TX360	USIII track Transporter 6-15"	\$12,295.00
CUES	TX918	USIII Track Transporter Extenders for 18" -24" Mainline Inspection	\$1,087.00
CUES	TX903-1B	Track Transporter Brass Extenders for 7" to 15" Mainline Inspection	\$2,230.00
CUES	TX9103-1B	Track Transporter Brass Extenders for 18" to 24" Mainline Inspection	\$2,893.00
CUES	TX361	WTR Wheeled non steerable Transporter 6-15"	\$16,643.00
CUES	TX361-1	Track kit/ for non steerable wheeled Transporter	\$3,900.00
CUES	TX361	Wheeled Transporter non steerable 6-15" in Lieu of USIII track transporter	\$5,118.00
CUES	TX361	Wheeled Transporter. Non steerable, 6-15" pipe in Lieu of US 21 Ultra Shorty	\$8,321.00
CUES	TX360	USIII track Transporter 6-15" in lieu of US21 Ultra Shorty	\$3,974.00
CUES	WT351	Pipe Ranger Wheeled Transporter for 8" – 15" Mainline Inspection (IN ADDITION TO Ultra Shorty 21 Trac Transporter in Base Unit)	\$16,854.00
CUES	WT351	Pipe Ranger Wheeled Transporter for 8" – 15" Mainline Inspection (IN LIEU OF Ultra Shorty 21 Trac Transporter in Base Unit)	\$8,111.00
CUES	WT351	Pipe Ranger Wheeled Transporter for 8" – 15" Mainline Inspection (IN ADDITION TO USIII Ultra Shorty Trac Transporter in Base Unit)	\$16,854.00
CUES	WT351	Pipe Ranger Wheeled Transporter for 8" – 15" Mainline Inspection (IN LIEU OF USIII Ultra Shorty Trac Transporter in Base Unit)	\$3,723.00

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



Specifications for:

Ohio STS 670
Contract No.: 800001

Optional Transporters & Accessories

Manufacturer	Model	Description	Price
CUES	WT351	Spare Pipe Ranger Wheeled Transporter for 8" – 15" Mainline Inspection	\$16,854.00
CUES	WM350	Compact Steerable Pipe Ranger Wheeled Transporter for 6" to 30" Mainline Inspection (IN ADDITION TO USIII Ultra Shorty Track Transporter in Base Unit)	\$24,495.00
CUES	WM350	Compact Steerable Pipe Ranger Wheeled For 6" to 30" Mainline Inspection (IN LIEU OF USIII Ultra Shorty Trac Transporter in Base Unit)	\$17,958.00
CUES	WM350	Compact Steerable Pipe Ranger Wheeled Transporter for 6" to 30" Mainline Inspection (IN ADDITION TO US21 Ultra Shorty Trac Transporter in Base Unit)	\$27,945.00
CUES	WM350	Compact Steerable Pipe Ranger Wheeled For 6" to 30" Mainline Inspection (IN LIEU OF US21 Ultra Shorty Trac Transporter in Base Unit)	\$21,511.00
CUES	WS350	Steerable Pipe Ranger Wheeled Transporter for For 8" to 15" Mainline Inspection (IN ADDITION TO Ultra Shorty 21 Trac Transporter in Base Unit)	\$24,754.00
CUES	WS350	Steerable Pipe Ranger Wheeled Transporter for For 8" to 15" Mainline Inspection (IN LIEU OF Ultra Shorty 21 Trac Transporter in Base Unit)	\$19,496.00
CUES	WS350-1	Single Conductor Steerable Pipe Ranger for use With Single Conductor System (IN ADDITION To Ultra Shorty 21 Trac Transporter in Base Unit)	\$28,287.00
CUES	WS350-1	Single Conductor Steerable Pipe Ranger for use With Single Conductor System (IN LIEU OF Ultra Shorty 21 Trac Transporter in Base Unit)	\$19,916.00
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)	\$38,803.00
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)	\$30,060.00

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



Specifications for:

Ohio STS 670
Contract No.: 800001

Optional Transporters & Accessories

Manufacturer	Model	Description	Price
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)	\$40,717.00
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)	\$32,345.00
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
CUES	WM320	Mechanical Lift for CPR	\$3,717.00
CUES	WM330	Electric Lift for use with Compact Pipe Ranger	\$7,462.00
CUES	WT313	PR & SPR Transporter Tires for 18" to 48" Mainline Inspection	\$1,229.00
CUES	WT040	Wheel Kit for PR & SPR Wheeled Transporter 7" Pipe Application	\$1,121.00
CUES	WT914	Steel Wheel Kit for PR & SPR Wheeled Transporter 8" PVC Application	\$1,071.00
CUES	WT913	Steel Wheel Kit for PR & SPR Wheeled Transporter 10" to 15" PVC Application	\$1,166.00
CUES	WT314	PR & SPR Chevron Tire Kit for Wheeled Transporter Large Pipe Configuration	\$1,056.00
CUES	WT917	PR & SPR Pneumatic Tires for Wheeled Transporter	\$1,360.00
CUES	WM307	Steel Wheels to inspect 6" Pipe for CPR Wheeled Transporter	\$1,540.00
CUES	WM308-1	Steel Wheels to inspect 8" Pipe for CPR & WTR Wheeled Transporter	\$1,640.00

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



Specifications for:

Ohio STS 670
Contract No.: 800001

Optional Transporters & Accessories

Manufacturer	Model	Description	Price
CUES	WM310-1	Steel Wheels to inspect 10"-15" Pipe for CPR & WTR Wheeled Transporter	\$1,770.00
CUES	WM312	Pneumatic Rubber Tires to inspect 12"+ Pipe for CPR & WTR Wheeled Transporter	\$1,584.00
CUES	TX902-1	Wheel kit for track Transporter	\$7,326.00
CUES	REAR	Rear Viewing Camera for Transporter	\$4,860.00
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.: 800001

TV Inspection System
Optional Equipment

Manufacturer	Model	Description	Price
CUES	Box	18' Box	\$29,900.00
CUES	TR1182	5.5 KW Gas Generator	\$7,098.00
CUES	TR1181	7 KW Gas Generator	\$7,618.00
CUES	TR253	7.5 KWQD Diesel Generator	\$16,157.00
CUES	TR725	10 KW Diesel Generator	\$16,758.00
CUES	TR725	12 KW Diesel Generator	\$18,165.00
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	\$16,304.00
CUES	SINE	On Board AC Power System Dynamic Inverter 3.0 KW	\$12,739.00
CUES	Bumper	Extended Bumper with grading	\$811.00
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	\$1,748.00
CUES	KEMCON	Add Kemlite to Control Room	\$2,102.00
CUES	KEMEQ	Add Kemlite to Equipment Room	\$1,642.00
CUES	DIAM	Add Diamond Plate to Work top	\$1,725.00
CUES	ALUM	Aluminum Diamond Plate Flooring	\$2,983.00
CUES	WC441	Oversized Cabinet for Cutter, Transporter, and Cameras	\$3,726.00
CUES	EVOII	Components Mounted Above Viewing Window	\$1,518.00
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.: 800001

**TV Inspection System
Optional Equipment**

Manufacturer	Model	Description	Price
CUES	WC420B	Double Closet	\$2109.00
CUES	WC420	Single Closet	\$1,275.00
CUES	WC433	Base Cabinet Control room	\$950.00
CUES	WC381	Base Cabinet Equipment room	\$1,012.00
CUES	WC468	Sink and Faucet for base cabinet ER	\$575.00
CUES	WC505	Wall Cabinet	\$1,294.00
CUES	WD	20 Gallon Wash down	\$1,853.00
CUES	008855	20 Gallon Wash down, sink upper/lower cabinet w/ retractable water hose reel	\$3,317.00
CUES	950056	Retractable hose reel	\$556.00
CUES	WC445	Drawer stack under desk top	\$739.00
CUES	WCVR	Storage Cabinet under desk top	\$1,110.00
CUES	WC437	Electronic Cabinet	\$1,588.00
CUES	WC437	Electronic Cabinet with breaker box	\$3,088.00
CUES	WC438	Bulkhead Storage Cabinet	\$2,322.00
CUES	WC419	Work top on Reel	\$498.00
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	\$1,055.00
CUES	TR1110	Transporter Storage box	\$1,017.00
CUES	TR1016	Aluminum Storage Shelf	\$321.00
CUES	TR1940-2	Two drawer stack Aluminum Storage	\$1,110.00
CUES	TR1006	Slide out drawer for Cutter	\$1,443.00

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



Specifications for:

Ohio STS 670
Contract No.: 800001

TV Inspection System
Optional Equipment

Manufacturer	Model	Description	Price
CUES	TR1009	Transporter drawer in kick plate	\$1,026.00
CUES	TR1045	Back up Camera with Monitor in Cab	\$2,013.00
CUES	WC426	Bulkhead Wall	\$2,827.00
CUES	WC427	Bulkhead Door	\$725.00
CUES	491000	Blank Panels for Retro	\$48.00 ea
CUES	OUTLET	Add Additional Outlets to Unit	\$35.00ea
CUES	LIGHT	Add Additional Lighting to Unit	\$55.00ea
CUES	TR1028	Low Profile AC Unit	\$1,505.00
CUES	TR1944	Cool Cat AC Unit	\$2,815.00
CUES	TR1059	Branch guard for AC Unit	\$1,582.00
CUES	TR251	Branch guard for Amber lights	\$244.00
CUES	TR835	Interior mounted Crane	\$3,893.00
CUES	Crane	Bumper mounted Crane	\$5,679.00
CUES	AWN	Rear Awning	\$2,086.00
CUES	TR1113	Traffic Director	\$1,416.00
CUES	TR792	Intercom	\$284.00
CUES	EC1190	CAT-5	\$95.00
CUES	FLOOR	Floor mounted AC Unit for Sprinter	\$5,883.00
CUES	TR915	Enclosed Lavatory	\$5,439.00
CUES	GX136	24" Rear Monitor	\$2,037.00
CUES	GX137	32" Rear Monitor	\$2,275.00
CUES	GX136B	Bulkhead wall upgrade for rear monitor	\$764.00
CUES	CONE	Cone Holders mounted on Bumper	\$270.00

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



Specifications for:

Ohio STS 670
Contract No.: 800001

TV Inspection System
Optional Equipment

<u>Manufacturer</u>	<u>Model</u>	<u>Description</u>	<u>Price</u>
CUES	TR457	Flood Lights	\$92.00 ea
CUES	TR1153	Amber lights	\$1930.00 ea
CUES	TR1310	Rack Assembly	\$850.00
CUES	TR1153	Reel Desk Shifter	\$612.00
CUES	TR010	Main Wiring Harness	\$615.00
CUES	TR1942	System Select	\$2,988.00
CUES	TR757	Chair	\$389.00
CUES	HD RTR	Retro hardware kit	\$832.00
CUES	TR760	Mounts for monitors	\$470.00
CUES	TR2337	Carbon Monoxide detector	\$58.00
CUES	TR1745	Built in Microwave in cabinet	\$874.00
CUES	TR2221	Built in Refrigerator in cabinet	\$1,710.00
CUES	988458	Eye wash station	\$159.00
CUES	865002	First Aid Kit	\$124.00
CUES	940608	Vise	\$161.00
CUES	TR4708	Spotlight Assembly	\$586.00
CUES	HITCH	Pental Hitch	\$559.00
CUES	W042	Tow Hook	\$248.00
CUES	500200A	Wall Heater	\$454.00
CUES	TR1935-1	Ambient Lighting in lieu of lighting in base	\$3,130.00
CUES	TR1935	Ambient Lighting	\$4,975.00
CUES	TR1090	5 Drawer tool box	\$932.00
CUES	TR868	7 Drawer tool box	\$1,586.00

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



Specifications for:

Ohio STS 670
Contract No.: 800001

TV Inspection System
Optional Equipment

Manufacturer	Model	Description	Price
CUES	MD311-2	Permanent Truck mount K-2 PCU & CCU with Standard Truck mounted TV Cable Reel	\$6,066.00
CUES	MD331	Truck mount K-2 PCU & CCU with K-2 Lightweight Reel w/ 1000' Cable	\$23,582.00
CUES	MD906-2	Truck mount Portable K-2 Case	\$2,750.00
CUES	MD311	Portable Truck mount K-2 PCU & CCU Mounting Station	\$1,160.00
CUES	MD902-1	Add Auto Payout System to Customer TV Reel	\$6,086.00
CUES	AUTO	Auto Payout System new TV Reel	\$3,602.00
CUES	BRAKE	Add Hydraulic Brake to Reel	\$6,370.00
CUES	CZ300NZ	Nite Lite Pan & Tilt Camera IN LIEU OF Pan Tilt Zoom Camera in base	<\$2,700.00>
CUES	CZ301L	LED Light head for OZII and Nite Lite Camera (IN LIEU OF Halogen Light head)	\$440.00
CUES	CZ303	LED Light head for OZII and Nite Lite Camera (IN ADDITION TO Halogen Light head)	\$4,985.00
CUES	TR1951	Transporter Controller	\$3,066.00
CUES	OZ302-5	Camera Controller	\$2,223.00
CUES	EL115	Add Additional Video Cable to Dolly Up to 1,000' (100' Increments)	\$4.83 Per Foot
CUES	WM305	Add Additional Platinum Cable to Dolly Up to 1,200' (100' Increments)	\$6.92 Per Foot
CUES	APRL	Auto Pay out System for TV Cable Reel	\$3,602.00
CUES	CZ300	Spare OZII Camera	\$24,412.00
CUES	MZ300	Spare OZIII Camera	\$24,412.00
CUES	CZ300L	Inclinometer Upgrade to detect and display pipeline gradient Pan & Tilt Camera	\$5,192.00

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



Specifications for:

Ohio STS 670
Contract No.: 800001

TV Inspection System
Optional Equipment

Manufacturer	Model	Description	Price
CUES	MZ904-16	Built in Sonde 512MZ Transmitter	\$2,795.00
CUES	GP301-3	Wireless GPS Mapping Stick for Truck	\$8,734.00
CUES	TR484	Access Door	\$391.00
CUES	TR238	Foul Weather Door	\$324.00
CUES	TR1942-5	Lateral Reinstatement System to Include: 500' Air Hose, Air Hose Reel, Kangaroo Cutter for 6" to 12" Pipe	\$74,916.00
CUES	RK356-6	Air Hose Reel	\$12,723.00
CUES	KC006	500' Air Hose	\$1,990.00
CUES	9001LP	Spare Kangaroo Cutter for 6" to 10" Pipe	\$23,362.00
CUES	KC051-1	Cutter Repair kit	\$5,381.00
CUES	KC039	12" Cutter Skid	\$1,042.00
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	TR343	Rear foot pedal Controller	\$988.00
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	\$2,215.00
CUES	LT603-2	Spare 100' Metal Push Cable for LAMP System	\$3,519.00
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

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



Specifications for:

Ohio STS 670
Contract No.: 800001

TV Inspection System
Optional Equipment

Manufacturer	Model	Description	Price
CUES	SR300-13S	Spare PSIII auto upright/ sonde lateral camera	\$5,907.00
CUES	LM241	Spare 100' Green Push Cable for LAMP System	\$2,159.00
CUES	LM932	Straight Chute Kit	\$2,159.00
CUES	LM354	Retro fit Lamp II ALT to P & T lateral camera	\$32,962.00
CUES	LM380	Retro fit Lamp II steel to P & T lateral camera	\$48,545.00
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	\$118,256.00
CUES	LM712-HS	Spare 80' Blue Push Cable for LAMP System	\$1,282.00
CUES	LM712-1HS	Spare 100' Blue Push Cable for LAMP System	\$1,399.00
CUES	LM712-3HS	Spare 120' Blue Push Cable for LAMP System	\$1,515.00
CUES	LM712-4HS	Spare 150' Blue Push Cable for LAMP System	\$1,690.00
CUES	LH901	Spare Pan & Tilt Lateral Camera	\$17,649.00
CUES	LM906	Rear View Camera for Lamp system	\$5,012.00
CUES	SR300	Add Auto-Upright Module for Mini Camera	\$959.00
CUES	PS315	Add Built-In Sonde for Mini Camera	\$621.00
CUES	LP900	Camera Mounted Laser Profiler and Measurement System for 6" – 15" Pipe	\$23,374.00
CUES	LP900-1	Skid Mount Laser Profiler and Measurement 8" to 24" Pipe	\$28,896.00
CUES	LP900-D	Laser Profile Tractor Mount DOT for 12" to 48" Pipe	\$44,339.00
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	\$85,029.00
CUES	LP900-4	Laser Profile Tractor Mount for 12" to 80" Pipe	\$72,430.00

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



Specifications for:

Ohio STS 670
Contract No.: 800001

TV Inspection System
Optional Equipment

Manufacturer	Model	Description	Price
CUES	MS190	Video Micrometer	\$2,052.00
CUES	CZ303-L	Laser Diodes for OZII Camera for use with Laser Profiler and Measurement system	\$7,275.00
CUES	SF115	Sonar/TV System, Multi-Conductor, for Submerged & Semi-Submerged 6" to 24" Pipelines	\$88,193.00
CUES	SF115	Sonar only System, Multi-Conductor, for Submerged & Semi-Submerged 6" to 24" Pipelines	\$64,676.00
CUES	MZ352	SUB 6" Skid Assembly	\$2,360.00
CUES	CP303	Skid Assy, 6", P&T, CVC, RVC	\$1,853.00
CUES	610460-1	8"-15" Skid Assembly	\$1,293.00
CUES	610458	8"-30" Skid Assembly	\$1,741.00
CUES	6100021	36"-60" Skid Spacer	\$1,012.00
CUES	SF310	Collapsible Sonar Float	\$12,716.00
CUES	SF300-1	Sonar only Float	\$8,869.00
CUES	SF328-2	Sonar Head	\$33,777.00
CUES	506901	Float Assembly	\$4,389.00
CUES	0703002	1,000' Float Line Reel	\$524.00
CUES	TR555-1	Substitute Single Conductor System with 2000' of Single Conductor Cable IN LIEU OF Multi-Conductor System offered in base.	\$10,536.00
CUES	TR640	Electronic Gear Selector for Reel	3,274.00
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'.	\$137,114.00
CUES	TZ302-1	IMX Camera Assembly Only	\$61,605.00
CUES	MD603	Logi Wireless Controller for K-2	\$486.00

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



Specifications for:

Ohio STS 670
Contract No.: 800001

TV Inspection System
Optional Equipment

Manufacturer	Model	Description	Price
CUES	MD933-2	DV-SD for Truck Mount	\$2,506.00
CUES	TR644	Rear Controller	\$691.00
CUES	491129	Reel Panel	\$130.00
CUES	RL023	Slip Ring Assembly	\$1,335.00
CUES	TR1732	Diesel Heater Kit	\$5,090.00
CUES	RP124	Metal Cable End Repair Kit	\$475.00
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	\$14,375.00
CUES	6205011-1	Electric winch	\$8,774.00
CUES	0705001	500' Power cord reel	\$2,514.00
CUES	RL372	1000' Power Cord Reel mounted under Truck with enclosure	\$8,073.00
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: 500' Quad Hose, Quad Hose Reel, Chemical tanks, Transfer Pump, Test and Seal Control Panel, 75 Gallon Washdown System, 4.0 CFM Air Compressor, Invert Seal Roller, and Grout Accessory Package	\$76,605.00
CUES	LOW-EASY	Upgrade to the Easy Grout system	\$30,081.00
CUES	CAT	Upgrade to the Cat Pumps for Grout system	\$19,697.00
CUES	HI-LOW	HI-Low-Viscosity Sealing System upgrade	\$3,995.00

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



Specifications for:

Ohio STS 670
Contract No.: 800001

TV Inspection System
Optional Equipment

Manufacturer	Model	Description	Price
CUES	SS705	Logiball Ready Upgrade for Sealing System Includes vacuum pump and required cabling and Connections. (Penta Hose Upgrade Required)	\$8,663.00
CUES	SS705-2	Logiball Ready Upgrade for Sealing System Includes vacuum pump and required cabling and Connections w/Penta Hose Upgrade	\$14,634.00
CUES	SS402	Quad Hose with fittings	\$6,416.00
CUES	SS420	Penta Hose Upgrade for Sealing System	\$5,971.00
CUES	HI-VIS	Upgrade to High Viscosity Sealing System	\$6,843.00
CUES	RL358	500' Penta Hose w/ fittings	\$9,277.00
CUES	RL345-6	Air Hose Reel No air hose	\$10,491.00
CUES	600658	8" LV PACKER	\$3,996.00
CUES	600651	10" LV PACKER	\$4,107.00
CUES	600652	12" LV PACKER	\$4,218.00
CUES	600653	15" LV PACKER	\$4,662.00
CUES	600314	18" COLLAPSIBLE LV PACKER	\$7,659.00
CUES	600016	20" COLLAPSIBLE LV PACKER	\$8,436.00
CUES	600017	21" COLLAPSIBLE LV PACKER	\$8,658.00
CUES	600018	24" COLLAPSIBLE LV PACKER	\$8,769.00
CUES	600020	30" COLLAPSIBLE LV PACKER	\$9,657.00
CUES	600021	36" COLLAPSIBLE LV PACKER	\$10,989.00
CUES	600022	42" COLLAPSIBLE LV PACKER	\$12,654.00
CUES	4001210	MANHOLE SEALING GUN	\$2,345.00
CUES	6000061	6" MULTIGROUTPACKER	\$2,442.00
CUES	6000081	8" MULTIGROUTPACKER	\$1,820.00

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



Specifications for:

Ohio STS 670
Contract No.: 800001

TV Inspection System
Optional Equipment

Manufacturer	Model	Description	Price
CUES	6000101	10" MULTIGROUPACKER	\$2,054.00
CUES	6000121	12" MULTIGROUPACKER	\$2,553.00
CUES	6000151	15" MULTIGROUPACKER	\$3,276.00
CUES	DUC	DUC CUES High Definition camera system with HD Digital Side Scanning Camera, upgrade to TV reel, & Granite Digital Processing DUC Software module for Computer system	\$95,000.00
CUES	DUC -R	Remove DUC CUES High Definition camera DUC Ready only	<-\$65,000.00>
CUES	491129	Reel Panel	\$113.00
CUES	RL600-1	TV Reel no cable	\$12,807.00
CUES	RL001	Retro TV Cable Reel	\$2,115.00
CUES	TR010	Main Wiring Harness	\$535.00
CUES	RP124	Metal Cable End Repair Kit	\$475.00
CUES	DOHOL	Down hole Equipment	\$1,287.00
CUES	FACQC	Test and Evaluate Customer Truck before And After Retro	\$2,875.00
CUES	END	Cable end repair kit	\$546.00
CUES	LABOR	Labor for Retro	\$904.00 per Day
CUES	FACS015	Additional Training (Per Day)	\$835.00

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



Specifications for:

Ohio STS 670
Contract No.: 800001

**Granite XP Data System
And Optional Modules**

Manufacturer	Model	Description	Price
CUES	GX1350	Rack Mount Computer, Monitor, Printer Keyboard and Mouse for Granite XP	\$4,900.00
CUES	GX1351	Laptop Computer, Monitor, Printer Keyboard and Mouse for Granite XP	\$2,900.00
CUES	GX450	Granite XP Pipeline Data Collection & Real Time Video Capture System. GXP allows for the storage of video clips in MPEG compression files. Allows for the storage of up to 50 minutes of high resolution video per CD, 3.5 hours on DVD	\$19,687.00
CUES	GX350-2	Granite XP Video Capture System with Laptop Computer IN LIEU OF Rack Mount Computer	\$18,583.00
CUES	GX1400	Granite XP Lite Pipeline Data Collection & Real Rack mount computer w/ printer	\$9,900.00
CUES	GX502	Granite XP Inspection and G-Net Software Only	\$15,400.00
CUES	GX902	Granite XP Lite Inspection Software Only	\$7,215.00
CUES	GX545	Scoring Module Inspection Edition Note: This module is for the Truck Inspection Edition Version 3.0 or higher only	\$3,275.00
CUES	GX534	Automatic Scheduler Module Note: Customer must have Granite Version 3.0 or higher	\$667.00
CUES	GX505	Granite XP Inclinator Module to accurately capture and graph the slope of the pipe and evaluate pipe conditions	\$2,209.00
CUES	GX506	Structure, Manhole, and Nodes Module for GXP to capture, inspection, and observation details, which are all linked to the structure node or manhole	\$3,275.00
CUES	GX507	Lateral Assets Module for GXP to capture Inspection data, observation details, video, and Pictures, which are all linked to the lateral structure	\$3,275.00
CUES	GX508	Grout and Seal Module (G&S) for GXP The G&S module shall record pressure tests Graphically and record the amount of material used	\$3,275.00

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



Specifications for:

Ohio STS 670
Contract No.: 800001

**Granite XP Data System
And Optional Modules**

Manufacturer	Model	Description	Price
CUES	GX511	Hansen Formula-Based Sewer Module for GXP. A certified bi-directional interface to all Hansen v7x	\$8,270.00
CUES	GX526	Hansen Formula-Based Storm Module For GXP. A certified bi-directional interface to all Hansen v7x	\$8,270.00
CUES	GX525-C	ESRI GIS Plug In Module with two days advanced training for GXP	\$14,319.00
CUES	GX525	ESRI GIS Plug In Module	\$10,029.00
CUES	WEBEX	Two Days Advanced WEBEX Training	\$3,300.00
CUES	GX527	ArcGis Runtime Engine (only)	\$990.00
CUES	GX513	WinCan Export Module for GXP to allow data To be collected and exported to WinCan v7	\$3,663.00
CUES	GX515	PACP Export Module (NAASCO certified) For GXP	\$2,720.00
CUES	GX516	WRc Export Module for GXP	\$2,720.00
CUES	GX541	Granite XP Engineering Edition for Office Allows users to modify inspections and observations gathered in the field, to review Existing Data, synchronize inspections, capture images from playback, and generate reports	\$771.00
CUES	GX540	Granite XP Enterprise Edition for Office Encompasses Engineering Edition with additional data management capabilities to include the creation of customized inspection analysis and the capability to run on Enterprise databases	\$9,435.00
CUES	GX546	Sonar Software Module	\$14,985.00
CUES	GX996	Digital Processing DUC software	\$9,668.00
CUES	GX934	Additional Viewer Software	\$50.00
CUES	GX521	Web Meeting/Evaluation from Cues Software Department	\$275.00 per hour
CUES	GX537	Re-Enrollment Fee	\$2,775.00

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



Specifications for:

Ohio STS 670
Contract No.: 800001

**Granite XP Data System
And Optional Modules**

Manufacturer	Model	Description	Price
CUES	GX522	One (1) Year Basic Support Plan for GXP	\$945.00
CUES	GX520	One (1) Year Enhanced Support Plan for GXP	\$1,800.00
CUES	TR1957	Blank Panel & hardware for retro	\$103.00
CUES	TS800	Titler	\$5,772.00
CUES	TS801	Double data Titler	\$7,469.00
CUES	GXTRAIN	Advanced Granite XP Training (per day)	\$1,620.00
CUES	GP301	Wireless GPS Mapping Stick	\$8,628.00
CUES	GP301-1	Wireless GPS Mapping Stick no receiver	\$5,631.00
CUES	GP312	GPS Mapping Stick Back Pack	\$7,933.00
CUES	GX524	GPS Software for Mapping Stick	\$3,275.00

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