

**Specifications For: Ascension Parish, LA**

**General Provisions:**

1. The unit will be supplied with a wireless integrated handheld portable controller that must have control of all speeds and movements for the pan and tilt zoom camera, transporter, and reel. It must be able to operate from the front, rear, and up to 100 ft. from the unit within line of sight: Comply: Yes\_\_\_\_No\_\_\_\_
2. The power supply shall have a wireless receiver to communicate with a wireless handheld controller for the camera, transporter, and reel: Comply: Yes\_\_\_\_ No\_\_\_\_
3. The Optical Zoom Pan and Tilt Camera must connect to the steerable wheeled transporter. **External cables for connecting the camera to the wheeled or tracked transporter will not be accepted.** Comply: Yes\_\_\_\_ No\_\_\_\_
4. The Optical Zoom Pan and Tilt Camera must have a 4-step light enhancement feature that increases the light sensitivity of the camera when encountering challenging light conditions. Comply: Yes\_\_\_\_ No\_\_\_\_
5. The Optical Zoom Pan and Tilt Camera must have built in field replaceable lighting that provides directional lighting for 6-72" pipe with no requirement to added external lighting. Replaceable light rings will not be accepted. **Cameras that require external non-directional lighting to be added to inspect this pipe size range will be deemed not acceptable. Cameras that do not contain field replaceable lighting will be deemed not acceptable.** Comply: Yes\_\_\_\_ No\_\_\_\_
6. The Optical Zoom Pan and Tilt Camera must have built in diagnostics that display on screen on demand that include a humidity sensor, serial number, temperature sensor, camera amperage, and light voltage. **Cameras without built in diagnostics will be deemed not acceptable.** Comply: Yes\_\_\_\_ No\_\_\_\_
7. The Optical Zoom Pan and Tilt Camera when used with the wheeled steerable transporter must be able to **pan and tilt in a 8" diameter pipe.** Comply: Yes\_\_\_\_ No\_\_\_\_
8. The Optical Pan and Tilt Camera must have the ability to accept built in directional lighting with built in directional LED LAMPS for 6-72" lines. **The LED LAMPS must be field replaceable by the operator in the field or will be deemed not acceptable.** Comply: Yes\_\_\_\_ No\_\_\_\_.
9. The Optical Pan and Tilt Zoom camera must have a built-in sonde: Sondes mounted outside of the camera body will be deemed not acceptable. Comply: Yes\_\_\_\_ No\_\_\_\_
10. Individual light modules must be readily field replaceable within 10 minutes with a Phillips screw driver. Comply: Yes\_\_\_\_ No\_\_\_\_
11. The system provided in the bid must be able to operate all the prospective bidders' cameras, transporters, and accessories. Comply: Yes\_\_\_\_ No\_\_\_\_
12. The steerable wheeled camera transporter and the pan and tilt optical zoom camera must be controlled via a **wireless** handheld pendant **controller that integrates the control of all transporter motions to include speed, forward, reverse, steering and all camera pan and tilt, rotation, auto centering, iris and focus overrides plus electric camera lift functions and reel functions. The integrated handheld pendant control must transmit wireless or it will not be accepted:** Comply: Yes\_\_\_\_ No\_\_\_\_

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13. The steerable camera transporter must have a rear tip-up waterproof bulkhead connector that minimizes the stress / strain on the connections and interface cable during insertion and retrieval. **Transporters with stationary connectors that do not move to reduce the stress on the connections and interface cables will be deemed not acceptable:** Comply: Yes\_\_\_\_\_ No\_\_\_\_\_
14. The steerable wheeled camera transporter shall have a **built in two speed transmission** that doubles the torque of the transporter drive train when the large diameter tires are installed. **Large Line kits that require assembly and disassembly when switching from inspecting small diameter pipe to large diameter pipe will be deemed not acceptable:** Comply: Yes\_\_\_\_\_ No\_\_\_\_\_
15. The steerable wheeled camera transporter shall have a rear viewing camera: Comply: Yes\_\_\_\_\_ No\_\_\_\_\_
16. The steerable wheeled camera transporter shall have the ability to accept a digital side scanning camera Comply: Yes\_\_\_\_\_ No\_\_\_\_\_
17. The steerable wheeled camera transporter shall have an electric camera lift to optically center the camera for large pipe inspections. Comply: Yes\_\_\_\_\_ No\_\_\_\_\_
18. The steerable wheeled camera transporter shall have 6 wheel configuration in 8"-48" pipe to maximize surface area contact and traction to increase pulling capability. Comply: Yes\_\_\_\_\_ No\_\_\_\_\_
19. The steerable wheeled camera transporter shall have the ability to be retrieved in freewheel mode by the cable reel with motors disengaged to minimize wear and tear on the motors. Comply: Yes\_\_\_\_\_ No\_\_\_\_\_
20. The video cable must be a minimum of .450" diameter, have 2000 pound break strength, and weigh no more than 110lbs per 1000 ft. Comply: Yes\_\_\_\_\_ No\_\_\_\_\_
21. The video cable reel must have an auto payout feature for the video cable to coordinate the speed of the video cable with the pulling speed of the camera transporter. Auto assist that does not coordinate the speed of the reel feed out with the transporter will be deemed not acceptable: Comply: Yes\_\_\_\_\_ No\_\_\_\_\_
22. TV cable reel shall be heavy duty, built into a rugged steel frame designed for fixed mounting into a TV unit. The reel shall be powered by a variable speed electric motor and driven through a multi-gear ratio transmission. The transmission will have multiple speeds to limit the motor load during varying towing conditions. The reel shall be equipped with an automatic level wind assembly to evenly pay out or rewind the cable to prevent pile-ups, entanglements and burying. Lightweight aluminum frame Portable TV cable reels mounted in TV unit will be deemed not acceptable: Comply: Yes\_\_\_\_\_ No\_\_\_\_\_
23. Supplier must provide a heavy-duty truck mounted steel frame video cable reel. Lightweight aluminum frame video cable reels that are used for portable systems, will be deemed not acceptable: Comply: Yes\_\_\_\_\_ No\_\_\_\_\_
24. All functions of the video cable reel will be remotely controlled by the wireless handheld portable pendant. **Reels that do not have this essential feature of total wireless control will be deemed not acceptable.** Comply: Yes\_\_\_\_\_ No\_\_\_\_\_

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25. The TV cable reel shall have the ability to retrieve the transporter through the pipe into the invert without the need for the motor to be engaged and driving in reverse. Comply:  
Yes \_\_\_\_\_ No \_\_\_\_\_

26. The cable shall have helically wound conductors, including the coax, so the conductors and coax are longer than the total length of the cable. This serves as an internal strain relief and any pulling stress of the cable will be felt by the cable jacketing before the conductors and coax. **Cables in which the coax is centered and therefore not helically wound will not be accepted.** Comply: Yes \_\_\_\_\_ No \_\_\_\_\_

27. Trailer Interior must be completely built and assembled by the manufacturer of the CCTV equipment. Vendors that use a 3<sup>rd</sup> party for the truck build will be deemed not acceptable. Comply: Yes \_\_\_\_\_ No \_\_\_\_\_

28. The system provided in the bid must be able to operate all the prospective bidders' cameras, transporters, and accessories. Comply: Yes \_\_\_\_\_ No \_\_\_\_\_

29. Failure to state exceptions on any requirements will result in potential disqualification. Comply: Yes \_\_\_\_\_ No \_\_\_\_\_

30. Supplier must be a representative of the manufacturer with factory trained repair technicians, loaner equipment, spare parts and is located within \_\_\_\_\_ miles of Covington Sales. Comply: Yes \_\_\_\_\_ No \_\_\_\_\_

31. The system shall be entirely designed and manufactured in the United States of America, by an American owned company. Cameras and transporters that are manufactured outside of the United States of America but assembled as a system in the United States of America will be deemed unacceptable. Comply: Yes \_\_\_\_\_ No \_\_\_\_\_

**Component List:**

**1 8X16 TANDEM AXLE TRAILER, 10000GVWR**

- 1 Tandem Axle
- 1 Gross Vehicle Weight Rating - 10000 lb.

**1 TV TRAILER EXTERIOR LIGHTING & CONTROL ROOM - EVOLUTION 3.0 TO INCLUDE:**

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

**Specifications For: Ascension Parish, LA**

- 1 ROOF TOP AIR CONDITIONER, 13,500 BTU WITH HEAT STRIP**
- 1 STORAGE CABINET UNDER VIEWING ROOM DESKTOP**
- 1 CLOSET IN VIEWING ROOM**
- 1 TV TRAILER EQUIPMENT ROOM INTERIOR - EVOLUTION 3.0 TO INCLUDE:**
  - 1 Lonseal Lonplate Flooring
  - 1 Kemlite Wall & Ceiling Covering
  - 1 Electrical Outlet with Dual Receptacles
  - 1 12V High Intensity LED Light Fixture
  - 1 15 Minute Courtesy Timer Located at Rear Door Area for 12V LED Interior Lights
- 1 MULTI-OUTLET WORKSTATION WITH LIGHTS AND USB PORTS**
- 1 20-GALLON WASHDOWN SYSTEM TO INCLUDE:**
  - 1 20-Gallon Fresh Water Tank
  - 1 Electric Water Pump
  - 1 Retractable Hose Reel with 25'Water Hose and Nozzle
- 1 UPPER AND LOWER STORAGE CABINET IN EQUIPMENT ROOM**
  - 1 Lower Storage Cabinet / Work Top with Sink and Faucet
  - 1 Upper Wall Mounted Storage Cabinet
- 1 5-DRAWER TOOL CHEST, MODULINE**
- 1 32" REAR FLAT SCREEN MONITOR MOUNTED IN BULKHEAD WALL**
  - 1 Flat Screen Monitor
  - 1 Cable Assembly - Video Monitor to Monitor in Control Room
  - 1 Electrical Outlet
- 1 15 GALLON EPA FUEL TANK FOR TRAILER**
- 1 7000 WATT GAS ONAN EVAPORATOR GENERATOR**
  - 1 120 Volt 60 HZ 7000 Watt EFI (Electronic Fuel injection) Commercial Grade Generator
    - 1 Gasoline Powered
    - 1 Electric Start
    - 1 Air Cooled
    - 1 Generator Remote Start/Stop Cable assembly
- 1 POWER SUPPLY COMPONENTS TO INCLUDE:**
  - 1 Generator Compartment Mounted on Trailer Tongue
  - 1 Commercial Power Supply Receptacle, 25' Cord, and Plug
  - 1 Electrical Supply Center with Circuit Breaker Box
  - 1 Commercial power and Generator Power Connectors
  - 1 Automatic Power Transfer Switch
- 1 SYSTEM ENGINEERING PANEL, FOR POWER INFORMATION AND GENERATOR FUNCTIONS, RACK MOUNTED, TO INCLUDE:**
  - 1 Four Function AC Power Meter displaying Critical Power Information including:
    - 1 Voltage
    - 1 Hertz
    - 1 Amperage
    - 1 Active Power (Watts)
  - 1 Front panel Selector Switch for two modes of operation:
    - 1 Fixed reading
    - 1 Continuous Auto-cycling
  - 1 Generator Battery Meter to Display Starting and Charging Voltage
  - 1 Generator Hour Meter

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- 1 Generator Remote Start/Stop Control Switch
- 1 On/Off Switch for Emergency Warning beacons (Switch to Illuminate When On)

### 1 OZ2 P&T ZOOM M/C LED CAMERA

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

### 1 STEERABLE CAMERA TRANSPORTER, WHEELED, v2

- 1 Steerable Unit Designed to Turn 360 Degrees within Its Own Radius
- 1 Two (2) Speed Transmission to Maximize Torque in Large Diameter Pipe with Manual Shifter on Camera Carrier
- 1 Unit Shall Have Forward, Free Wheel, and Power Reverse
- 1 Set of Six (6) Driven Rubber Wheels to Inspect 8" Pipe
- 1 All Six (6) Wheel Drive Transporter Assembly to Include:
  - 1 Motor & Enclosed Drive Train
- 1 Tip up Rear Connector

### 1 10" - 15" RUBBER TIRE KIT, v2

### 1 10" - 15" SPACER KIT FOR SPR/PR, v2

### 1 18"+ PNEUMATIC TIRE KIT, v2

### 1 12" - 15" PNEUMATIC TIRE KIT, v2

### 1 ELECTRIC CAMERA LIFT

### 1 REAR VIEW CAMERA

- 1 Color NTSC Camera
- 1 Lightring with (12) Solid State White LEDs

### 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 (not available with BRAKE option)
- 1 Power Levelwind & Multi Ratio Manual Transmission
- 1 Footage Meter with Local Counter and Remote Electronic Counter
- 1 Transmission Control at Viewing Station
- 1 Local Reel Mount Electrical and Mechanical Control
- 1 Sealed Continuous Contact Collector Assembly
- 1 Removable Drip Pan for Cleaning (not available with BRAKE option)

### 1 AUTOMATIC PAYOUT SYSTEM FOR REEL - INSTALLED

### 1 DVR ASSEMBLY KIT

### 1 19" (MINIMUM) FLATSCREEN COLOR INDUSTRIAL TV MONITOR NTSC / PAL COLOR STANDARDS

### 2 MOUNTING HARDWARE FOR MONITOR to include Bracket(s), and / or Mount(s), and Miscellaneous hardware required to secure monitor for optimal safety and viewing.

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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
- 1 On Screen Footage Display

### **1 WIRED & WIRELESS CONTROLLER**

- 1 Joystick Control for Pan and Tilt Zoom Camera to Include:
  - 1 360 Degree Rotate
  - 1 330 Degree Optical Pan
- 1 Joystick Control for All Steering Functions & Forward / Reverse Directions for Transporter
- 1 Camera Lift Control for Optional Electronic Camera Lift
- 1 All Other Controls for Camera to Include:
  - 1 Camera Iris and Focus Override & Zoom
  - 1 Camera Lights & Shutter Control for Light Enhancement
  - 1 Camera Diagnostics & Auto Home
- 1 Cruise Control to Set Speed of the Transporter for Hands off Operation
- 1 All Reel Controls to Include: Retrieve, Release, and Variable Speed

### **1 8.7" MINI KEYBOARD**

### **1 SHORTING PLUG**

### **1 TEST CABLE**

### **1 KIT, UPS, BELOW MOUNT TO INCLUDE THE FOLLOWING:**

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

### **1 KIT, DOWNHOLE, STD**

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

### **1 MULTI CONDUCTOR TV ONLY TOOL KIT**

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

### **3 DAYS FIELD TRAINING FOR ID SYSTEM**

### **1 TRAILER DELIVERY-LOUISIANA**