Specification Section – Code E003 / Mobile Pathfinder

1 Aries Mobile Pathfinder All-in-One Controller, with features including:
- 8.4" color flat screen TV monitor
- Sealed connector for interconnect cable to reel
- Camera controls
- Tractor controls
- Reel controls
- Internal digital video recorder
- VL5000 data display control module
- Alphanumeric full "QWERTY" keyboard for video titling and report data input

1 Storage and transportation case

1 Aries PE3530 Pathfinder series zoom, pan & tilt camera w/ high-intensity LED lighting and integrated self-cleaning lens wiper system, including:
- Pathfinder zoom pan and tilt camera w/ multi-axis infinite rotation
- Integrated on-demand self-cleaning lens wiper system
- 120X zoom (10X optical & 12X digital)
- High-resolution 480(V) x 720(H) output
- Auto-focus with manual override
- Auto-iris with manual override
- Maintenance-free forward-facing white LED lighting located in the camera forks
- Maintenance-free directional white LED lighting that follows the camera's field of view
- White balance optimization with (4) selectable settings
- High-sensitivity camera sensor for low-light applications
- "Starlite" low-light level amplification feature with (4) user selectable amplification steps
- Automatic home feature with forks at side of camera head
- "One Touch Scanning" feature with (2) user selectable continuous joint scan presets
- "Quick Look" preset view positions (6) (Up, Down, Right, Left, Lat R, Lat L)
- Robust, environmentally sealed camera for use in live pipe, including:
  - Scratch-resistant sapphire lens window
  - Camera recessed behind forks for frontal impact protection
  - Camera housing with hardened metal finishes and non-corrosive metals
  - Recessed fasteners & no camera protrusions
- Proportionately slowed camera movements when zooming
- Fast-check internal pressure monitoring system
- On-screen camera diagnostics functions including:
  - Camera internal pressure, temperature, operating hours, internal power regulated voltage value, camera model, serial number, firmware revision, control error recognition, LED current value.

1 Camera storage and transport case

1 Camera nitrogen recharge kit

1 Aries TR3300 Pathfinder steerable self-propelled transporter for relined 6" to 15" lines, including:

1 Tractor assembly with continuous duty drive motors

6 Rubber wheels, 3" diameter

4 Rubber wheels, 4" diameter

4 Extended hub rubber wheels, 4" diameter

4 Extended hub rubber wheels, 5" diameter

1 Manual camera lifting mechanism
1 Rear viewing camera with LED lighting
1 512 Hz detachable locating beacon
1 Auxiliary detachable light head
1 Storage and transport case
1 Set maintenance parts

1 Mobile Pathfinder cable and reel assembly, with features including:
Lightweight frame with casters and handles
Drum and motor assembly with clutch and cable level wind assembly
Sealed continuous contact collector assembly, 12-slip rings minimum
Distance meter encoder
Emergency hand crank arm
Emergency stop push button switch
1000' of lightweight low friction multi-conductor cable
AC power switch
Universal power input plug with cord
Cable guide roller, removable, handle mounted

1 Cable manhole guide system including:
1 Manhole top roller assembly
1 Insertion and extractor pole assembly and tractor adapter
3 Quick lock extension poles, fiberglass
2 Additional fiberglass extension poles
1 Tiger tail bottom cable guide

2 Operation / maintenance and spare parts manuals
1 Maintenance tool kit
1 Delivery of system
1 Day of training
1 One year warranty, TV system