Specification Section – Code AG003 / Trailer System

1 Tandem Axle Trailer, 7'x14' body, 7000 GVWR. See detailed spec for full vehicle specifications, to which Aries will include:
- 2 Adjustable LED flood lights, rear

Trailer, 7'x14' Tandem Axle, 7,000 lb. GVWR

Standard Construction

Interior dimensions: 80" wide x 83" high x 168" long
Gross Vehicle Weight Rating: 7,000 lbs
Dexter independent torsion suspension axles
Trailer-rated radial tires
Modular-styled wheels w/E-coat prime & powder coat finish
All-wheel electric brakes w/12V breakaway switch, battery included
Welded in place safety chains
Phosphate power washed and all exposed metal painted
Z-Tech undercoated frame
Long life coating on all fasteners
Automotive style weather stripping
Formed steel rear header with recessed clearance lights
Double 8" I-Beam Mainframe
12" on-center Floor Members
.030 exterior aluminum with 16" on-center wall posts
Aluminum fenders
Aluminum roof with 24" on-center bows
ABS molded license plate holder with light

Additional Construction

Extended triple tube tongue with switchable 2-5/16" ball hitch and pintle eye
ATP stone guard on front of trailer
Reinforced roof for air conditioning unit, centered 36" from front of trailer, with 25ft stub 10ga/2c cable
Stabilizer jacks at corners
32" curbside door with bar lock, 22" from front of trailer
Double swing full opening rear doors with semi-style cam locks
Interior finished in white vinyl
Steel floor reinforcing plate on crossmembers at RR body door, 44" square
Non-powered roof vent, centered at 18" from back of rear door framing
12V dome light, centered 150" from front of trailer, with switches at rear door and side door
9" backing strips inside of rear doors, (1) at bottom of each door and (1) at height of 53" of each door

1 7,000W, gas powered, commercial grade generator, 120V, 60 Hz, with electric local and remote start/stop control to include:
- 1 OEM generator enclosure, tongue mounted, with 14-gallon EVAP-certified fuel tank
- 1 Hinged, vented cover with lock mechanism
- 1 Exhaust system with internal muffler
- 1 Auxiliary battery, 12V DC and case
- 1 DC converter, 45A
- 1 Electric distribution panel and circuit breaker box, 8-space

- 1 Electric supply transfer system, house power or generator system, automatic, 50A
- 1 35' cord and house power receptacle with cover
- 1 System engineering panel to include:
  - 1 Generator Voltage and frequency meter, digital
  - 1 Generator start/stop switch
  - 1 Generator hour meter

1 Trailer control room interior including:
- 1 Lonplate non-skid floor covering
- 1 White laminated surface wall and ceiling covering
- 1 Bulkhead wall with Plexiglas window and swing passage door to equipment room
- 1 Low profile roof mounted air conditioner, 11000 BTU with heat strip
- 1 Modular control center, 19" rack mounted above bulkhead window
  - 1 3U storage drawer for controllers
- 1 Ergonomically contoured and finished control desk
- 1 LED lighting system
- 1 Standard electrical upfitting package
- 1 Operator chair, swivel with casters
- 1 Fire extinguisher, 10lb, 4A60 B:C rating, OSHA/DOT-approved

1 Trailer equipment room interior including:
- 1 Lonplate non-skid floor covering
- 1 White laminated surface wall and ceiling covering
- 1 Standard electrical upfitting package
- 1 LED lighting system
- 1 Set equipment storage brackets and hooks
- 1 Set of tie down rings along floor, shipped loose
- 1 Downhole pole storage brackets, wall mounted

1 19" LCD flat panel monitor, TV/PC viewing, mounted to control room desktop

1 Aries VL5000 video data display including:
- 1 Data Display control module, panel mounted
- 1 Alpha/Numeric Full QWERTY Keyboard for video titling and report data input for VL5000 Display
- 1 Set of interconnect cables

1 Digital Video Recorder system, including:
- 1 Modular control center, 19" rack mount location
- 1 Unit to compress video in MPEG4 format
- 1 Mini USB keyboard for recording function control
- 1 16GB USB flash drive
- 1 Set of interconnect cabling

1 Audio recording microphone, swivel neck

1 Aries Master Controller system, multi-conductor, including:
- 1 System power supply and control unit, 19" rack mount
- 1 Pegasus system control software, loaded on USB flash drive
- 2 Wireless Xbox One X style handheld controller

1 Wire for direct hook up / charging of Xbox One X style controller

1 Wall mounted USB port for controller

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 Pathfinder cable and reel assembly, with features including:

1000' of lightweight low friction multi-conductor cable
Heavy-duty frame, drum and motor assembly with clutch and cable level wind assembly
Footage meter with local LCD footage display and encoder for footage signal to remote video data display system
Emergency hand crank arm
Spare cable termination kit
Sealed continuous contact collector assembly, 12 slip rings minimum
Telescoping swivel cable guide roller assembly

1 Pathfinder system test cable
1 Reel controller with desktop mounting devices
1 Interconnect cable to TV system electronics
1 Drip pan with drain

1 Mounting bridge with tractor storage underneath

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
1 Manhole bottom roller assembly and adapter hook
5 Quick lock extension poles

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