

## Hummel, Andrew

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**From:** Steve Keranko [skeranko@rapidview.com]  
**Sent:** Thursday, August 30, 2012 9:04 AM  
**To:** Hummel, Andrew  
**Subject:** IBAK Equipment List

Here is the breakdown without the chassis. Please review and let me know if you have any questions.

Have a great holiday weekend.

Steve

### **PANORAMO 150 MAINLINE INSPECTION SYSTEM**

#### **PANORAMO 150 Camera System**

- \* For 6" to 12" pipelines
- \* Includes PANORAMO 150 Tractor and Cameras
- \* 6", 8" and 12" wheelsets
- \* Lowering claw, toolsets and spare parts
- \* PANORAMO scan software

#### **T66/76/86/PANORAMO 150 - Inclinator Unit**

#### **PANORAMO 150 Weight Kit**

- \* Includes both light and heavy weights.
- \* Increases traction and pulling distance.

#### **PANORAMO - PCI Interface card**

#### **BS7 Control Unit**

- For operation of the camera and the tractor functions
- For permanent installation in a vehicle in 19" technology
- Separate control panel type BP7 (u-console) with color LCD display for status information, 2 joysticks, emergency stop, microphone for intercom
- Video in and out, S-video out
- Including data display generator and RS232 interface
- Operating voltage 100/120/240 VAC +-10%
- Integrated box A for extension kit
- PANORAMO operation

#### **KW505 Synchronized Power Cable Reel**

- \* Designed for use with 00/12 fiber optic cable required for PANORAMO systems
- \* Synchronized cable payout and retraction
- \* Automatic level wind
- \* Requires vehicle installation
- \* Includes remote control pendant and LED boom light
- \* Distance counter with rear display
- \* Holds up to 2000' on 00/12 fiber optic cable
- \* Includes integrated tractor lowering winch and control

#### **Camera Cable Type 523/12 FO**

- \* 1640 feet of fiber optic cable
- \* Requires KW505 FO

#### **KW Reel foot-operated winch switch**

\* Control the lowering winch with foot to allow more control while lowering the tractor into the manhole

**Cable Deflection Pulley KUV 2.7 with rope and holder**

**19" Industrial PANORAMO PC**

- \* Core Duo Processor
- \* GeForce Video Card with 512MB or similar
- \* 80 GB Solid State OS Hard Drive
- \* 1 TB Hard Drive for IPF data
- \* DVD-R/CD-RW drive
- \* Keyboard and Optical Mouse
- \* Two 17" DVI Computer Monitors
- \* Operating system Windows 7 Professional
- \* 500GB Dockable USB Portable Hard Drive
- \* 12GB RAM and Wireless Network Card

**MAINLINE EQUIPMENT, CONVERSION AND TRAINING**

**ORION-L Zoom PAN & TILT CAMERA**

- \* Pan, Tilt and Zoom (3x digital) camera for 4" and up pipelines
- \* May be used on tractor or pushrod
- \* Auto-uprighting, LED Lighting and 33 kHz Transmitter for locate
- \* New wide angle of view = 90°
- \* Higher resolution and significantly improved picture quality
- \* Laser diameter, deformation, defect and object measurement (third party software required - not included)
- \* Navigate through "T"s and bends in pipe with navigating stick
- \* Includes tools and transport case

**T66 Camera Tractor**

- \* For camera operation in pipelines 4" and larger
- \* Zero turn radius, full steering with ATC (Automatic Tilt Compensation)
- \* Incl. test adapter, tool set and lowering claw.
- \* Includes 4", 6" and 8" wheelsets

**T 66 - Camera Connection Type 4**

- \* Manually elevating lift to raise camera
- \* Includes connection for ZSW light ring

**Additional Weight for T66**

- \* For 6" and up
- \* Light and heavy weights included
- \* Additional weight = additional traction = greater distance

**Treaded Wheel Set for 5" Pipes**

**Granulated Wheel Set RAD75 - 5" Pipes**

**T66 - Granulated Wheel RAD 105 Set 6" PIPE - RAD 105**

**Wheelset 140-6 Wheel Set (for inspection of 10 inch and up) KRA65/T66**

**Pneumatic wheels and adapters for KRA65 tractor carriage**

**KW Reel cabinet**

- \* (W-22", L-39" & H-35"), with a slide out tray for the LISY Synchro drum and one locking drawer with a divider. All aluminum drawer construction.

**Conversion**

- \* Commercial FRP (fiberglass reinforced plywood) 14' Box

- \* Dim: 14'x8'x6'6"
- \* Chassis purchased separately, call for required chassis specifications
- \* Includes installation of box on approved chassis
- \* Dual swing open rear doors
- \* Side entry door
- \* Rear backup camera
- \* Onan 5.5Kw Commercial Genset (DIESEL)
- \* Walk-thru design with partition wall and door
- \* Sliding partition window
- \* 12 VDC Fluorescent Lighting
- \* Aluminum plank flooring
- \* 13,500 BTU Roof Air
- \* Exterior shore power package
- \* Aux battery and charging system
- \* 14 gallon pressurized wash down system
- \* Carpeted walls in studio
- \* Kemlite wall covering in work area
- \* Rear 5 compartment toolbox
- \* Laminate base cabinetry
- \* Laminate overhead cabinets
- \* Laminate countertops
- \* Butcher block workbench
- \* Stobe light
- \* Directional Arrow board
- \* Small sink in work area
- \* 15" monitor in work area
- \* 17" monitor in studio

**Standard (2) day training at customer's location.**

- \* Includes review of operation and maintenance of supplied equipment.
- \* Additional days of training can be added at \$850.00 per day.
- \* Training is no charge at RapidView's facility in Rochester, Indiana - one time only.

<b>PANORAMO 150, MAINLINE, CONVERSION and TRAINING</b>	<b>\$</b>	<b>262,170.60</b>
<b>TOTAL</b>		

**PIPELOGIX SOFTWARE**

**Office License**

- PIPELOGIX License for Full Reporting with 360 Panoramo Analysis
- GIS License added to Full License
- 3-User Concurrent GIS License added to ESRI ArcMap
- PIPELOGIX Software Support Program

**Truck License**

- PIPELOGIX License for Lite Reporting with 360 Panoramo Capture
- DVS License
- GIS License added to Lite License

**Setup and Training**

<b>PIPELOGIX SOFTWARE TOTAL</b>	<b>\$</b>	<b>41,865.90</b>
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**GRAND TOTAL**

**\$ 304,036.50**

**Steve Keranko**

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