

**STATE OF MINNESOTA
PRICING PAGE
(Typed Responses Required)**

Price quote for:

Crawler Inspection Camera System

Vendor Name: **MacQueen Equipment Inc.**
 Contact Person: **Bill McCarthy / Mike Purdy**
 Street Address: **1125 7th St E**
 P.O. Box:
 City, State, Zip: **Saint Paul MN. 55106**
 Phone #: **651-645-5726**
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 Fax #: **651-645-6668**
 Email Address: **bill.mccarthy@macqueengroup.com / mike.purdy@macqueengroup.com**

Spec #	Information Requested	Answer
1.0	Make & Model	Envirosight Rover X
	<u>Crawler:</u>	
	Number of drive wheels/tracks	6 wheels w/overlapping design
	Number of drive motor(s)	(2) 50 watt DC
	Drive mechanism (chain, belt, gear, etc.)	Gear drive
	Does drive mechanism have a clutch	NO
	Internal pressure rating	IP 68
	Pressurization method	CO2 cartridge w/regulator
	Does crawler maintain pressure if camera is removed	YES
	Over/under pressure indicator light	YES
	Can repressurization be accomplished in the field	YES
	Quantity, type & size of tracks/wheels included with base package	Six 3.33" small diameter rubber/ four 4.33" medium diameter rubber/four 5.31" rubber wheels
	Overlapping wheel design to prevent high centering	YES
	Wheel/Track change tool requirement	Quick Change
	Wheel/Track change time requirement	4 wheel change is 2 minutes
	Minimum pipe diameter	6"
	Dimension-crawler only (LxHxW)	12.5 x 5.4" x 3.15"

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Spec #	Information Requested	Answer
	Overall length with camera attached	18"
	Weight of crawler	22 lb
	Overall weight crawler with camera attached	25.75.lb
	Material the crawler constructed from	Stainless Steel & Aluminum construction
	Cable connector type to crawler	Stainless steel bayonet connector that will lock with spring pin. Waterproof with positive lock
	Tools required to connect/disconnect crawler from cable	None
	Number of controls required to operate crawler	One pendant control for all crawler, lights, camera zoom
	Direction crawler can operate (example: forward/neutral/reverse)	Control pendant has all functions for crawler, forward/reverse/right/left
	Is crawler steerable	YES
	Does crawler have rear vision camera capability	YES
	Inclinometer standard	YES
	Power requirement (watts/amps/voltage)	50 Watts
	Is a Sonde device available	Std
	<u>Camera:</u>	
	Pan & tilt	YES
	Pan and tilt control type	Joy stick
	Home position control type	Yes with automatic return
	Pixels & lines of resolution	380,000 pixels w/420HTV lines of resolution
	Zoom (magnification optical & digital)	40:1 (10x optical 4x digital)
	Lux rating	1 Lux sensitivity
	Construction material	Stainless steel
	Lens type	v
	Lens field of view (VxHxD)	.025" to infinity/68 degree x 90 degree x 100 degree
	Black & white or color	Color
	Lighting type	LED light ring w/optional additional lighting
	Type of lighting control	infinite adjustment

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	Field replaceable lights	YES
	Focus (auto & manual)	Auto & manual
	Connection type	Stainless stele waterproof swivel loc-tite style.
	Dimensions (LxHxW)	7x3x3
	Camera weight	3.75 lb
	Pressurization method	CO2 cartridge, field pressurization capable
	Internal pressure rating	IP 68
	Over/under pressure indicator light	On Screen Display
	Does camera maintain pressure when removed from crawler	YES
	Will camera connect to cable w/o crawler and be fully functional	NO
	Maximum viewing angle for pan	360
	Maximum viewing angle for tilt	135 degree
	Camera controller have "home" position function type	Yes, one touch button automatic
	Does camera have the ability to view 360 degrees	YES
	Field replaceable windshield on camera	YES
	<u>Cable:</u>	
	Cable length	1000 ft
	Cable diameter	.19" diameter
	Break strength	1000lbs
	Single or multi-conductor	Multi-conductor
	Repairable	YES
	<u>Cable Reel:</u>	
	Motorized (yes/no)	YES
	Drive type	Motorized utilizing a slip ring design using gold & rhodium housed in an environmentally sealed housing
	Automatic pay-out, or pulled by crawler	Auto pay-out
	Automatically payed-in	Yes with speed & torque controls
	Cable reel level wind system	Auto level wind system

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Spec #	Information Requested	Answer
	Drum emergency stop switch	Drum has (red) emergency stop button for the operator. Cable drum also has a automatic shutdown if the cable reel is tilted more than 30 degrees
	Resettable counter	Yes
	Counter-mechanical or electronic	Electronic
	Forward/reverse engagement control type (manual or electronic)	Electronic
	Speed control type	Pay out and in is controlled by the speed of the crawler
	Type of torque control	Button on control pendant
	Overheat sensor	YES
	Cable reel capacity	1000'
	Portable	YES
	Dimensions (LxHxW)	21" x 21" x 14"
	Power requirements	2 amps
	<u>Central Control Unit:</u>	
	Power requirements	4 amps
	Circuit protection type	Fuse & circuit breakers
	Video in/out	Video BNC connector & RS232 for text and footage data to software
	Type of text generator	On screen text & information fields. Includes help directory and will store data for 30 days after the power is turned off.
	Keyboard	YES/ On screen of pendant
	Desktop camera control	YES
	Number of video text generators on-screen	7
	Video display of footage, time and date	YES
	Warranty	1 Year
	BASE UNIT PRICE:	\$78,778.00

AUGUST 2013

VENDOR NAME

MacQueen Equipment Inc.

MAKE AND MODEL

Rovver X

Spec #	Description	Qty	Price	Subtotal
1.0	Price for base unit:		\$ 78,778.00	\$ -

System includes VC500 Controller with Vision Report Software installed, RAX300 Automatic Cable Reel with 300M (1000ft) cable, wireless remote controller, reel mounting frame, emergency stop cable, RX130 Quick Change version crawler with 3 sets of rubber wheels for 6" to 12" pipe diameter. RCX90 pan, tilt, zoom camera, Pressurization Kit, and Win can VX entry license.

1.10 Crawler Options
Use this section to offer crawler options. Number items starting with 1.11, 1.12, etc. Use as many numbers as you need.

1.11	RX400 Crawler QCD (ILO RX130 crawler)		\$ 29,874.00	\$ -
1.11	RX400 Crawler QCD includes 2 sets wheels (crawler only)		\$ 52,300.00	\$ -
1.12	RX130 Crawler QCD		\$ 17,160.00	\$ -
1.13	RX95 Crawler QCD		\$ 13,500.00	\$ -
1.14	Rovver X SAT 140 Crawler QCD (additional crawler for SAT system)		\$ 41,600.00	\$ -
1.15	Automated Remote Elevator QCD		\$ 13,000.00	\$ -
1.16	Large Diameter RX Carriage Accessory (wheel extensions for inspection of large diameter pipe)		\$ 10,400.00	\$ -
1.17	V-lock Cam 2 receiver locator with hard carrying case and headphones		\$ 2,808.00	\$ -
1.18	512 Hz external sonde transmitter		\$ 581.00	\$ -
1.19	33 Hz external sonde transmitter		\$ 1,112.00	\$ -

1.20 Wheel Options
Use this section to offer wheel options. Number items starting with 1.21, 1.22, etc. Use as many numbers as you need.

1.21	D85x18 wheel (small rubber) each		\$ 243.00	\$ -
1.22	D120x31 wheel (medium rubber) each		\$ 286.00	\$ -
1.23	D150x52 wheel (large rubber) each		\$ 291.00	\$ -
1.24	D175x88 wheel (XXL rubber) each		\$ 567.00	\$ -
1.25	ELKA D85x18 wheel (small grease) each		\$ 243.00	\$ -
1.26	ELKA D120x31 wheel (medium grease) each		\$ 351.00	\$ -
1.27	ELKA D150x52 wheel (large grease) each		\$ 399.00	\$ -
1.28	HMS D85x18 wheel (small aggressive) each		\$ 459.00	\$ -
1.29	HMS D120x31 wheel (medium aggressive) each		\$ 604.00	\$ -
1.30	HMS D145x52 wheel (large aggressive) each		\$ 621.00	\$ -
1.31	Climbing middle wheel		\$ 167.00	\$ -

1.30 Camera Options
Use this section to offer camera options. Number items starting with 1.31, 1.32, etc. Use as many numbers as you need.

1.31	Rovver "X" rear view Auxiliary Lift camera with LED lamps		\$ 3,640.00	\$ -
1.32	Rovver "X" Auxiliary high power LED Lights with reflectors		\$ 3,057.00	\$ -
1.33	Digi Sewer side scan camera system for Rovver RX130 and RX400 crawlers. Win Can software module for inspection DOES NOT INCLUDE WIN CAN OFFICE (will require Win Can software and rack mounted computer)		\$ 44,837.00	\$ -
1.34	RCX90 pan/tilt/zoom camera (additional camera)		\$ 23,500.00	\$ -
1.35	RAC50 Axial camera		\$ 5,000.00	\$ -
1.36	PTP70II camera (includes adaptor for camera crawler or spring for SAT)		\$ 16,484.00	\$ -
1.37	PTP50II camera (includes adaptor for camera crawler or spring for SAT)		\$ 15,236.00	\$ -

1.40 Lighting Options
Use this section to offer lighting options. Number items starting with 1.41, 1.42, etc. Use as many numbers as you need.

1.41			\$ -	\$ -
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1.50 Control Consoles
Use this section to offer control console options. Number items starting with 1.51, 1.52, etc. Use as many numbers as you need.

Spec #	Description	Qty	Price	Subtotal
1.51	DCX5000 Desk top controller and CCU for Rovver X (ILO VC500 controller-requires software and Rack mount Computer to operate Rovver X)		\$ 10,920.00	\$ -
1.52	VC500 controller (portable controller to add to item 1.51)		\$ 12,420.00	\$ -
1.53	DCX5000 Desk top Controller with CCU and 1640' cable reel (ILO VC500 controller and std. 1000' cable reel. Requires Software and Rack mount Computer to operate Rovver X System)		\$ 33,880.00	\$ -
1.54	Win Can VX Entry License includes: Section, Basic Reporting, Data Viewer, All languages & Standards, Map Entry, Photo Assistant, Drawing function, Meta DB, Data Transfer Tool, SQL & Oracle database option, Multiple Inspection, Grading, Inclination, Local deformation & Crack width with laser.		\$ 3,068.00	\$ -
1.55	Entry Enterprise Infinity Support Plan - ANNUAL FEE- Unlimited Phone, Email, and Remote Internet Technical Support Unlimited Maintenance Upgrades and Version Upgrades 5 Hours per year of Web Ex Training Same Day Support and Service		\$ 461.00	\$ -
1.56	SUBSCRIPTION ANNUAL Win Can VX Entry License includes: Section, Basic Reporting, Data Viewer, All languages & Standards, Map Entry, Photo Assistant, Drawing function, Meta DB, Data Transfer Tool, SQL & Oracle database option, Multiple Inspection, Grading, Inclination, Local deformation & Crack width with laser.		\$ 920.00	\$ -
1.57	Win Can VX Lite License includes: Section, Basic Reporting, Data Viewer, All languages & Standards, Map Entry, Photo Assistant, Drawing function, Meta DB, Data Transfer Tool, SQL & Oracle database option, Multiple Inspection, Grading, Software Encoding, MPEG 1 Software Recording, Text Generator, Inclination, Local deformation & Crack width with laser.		\$ 6,006.00	\$ -
1.58	Lite SILVER ANNUAL FEE Infinity Support Plan includes: Unlimited Phone, Email, and Remote Internet Technical Support Unlimited Maintenance Upgrades and Version Upgrades to Win Can VX 5 Hours per year of Web Ex Training Same Day Support and Service		\$ 773.00	\$ -
1.59.1	SUBSCRIPTION ANNUAL Win Can VX Lite License includes: Section, Basic Reporting, Data Viewer, All languages & Standards, Map Entry, Photo Assistant, Drawing function, Meta DB, Data Transfer Tool, SQL & Oracle database option, Multiple Inspection, Grading, Software Encoding, MPEG 1 Software Recording, Text Generator, Inclination, Local deformation & Crack width with laser.		\$ 1,699.00	\$ -
1.59.2	Win Can VX Advanced License includes: Section/Lateral/Manhole, Basic Reporting, Data Viewer, All languages & Standards, Map Entry, Photo Assistant, Drawing function, Meta DB, Data Transfer Tool, SQL & Oracle database option, Multiple Inspection, Grading, Software Encoding, MPEG 1/2/4 Recording, NASSCO Validator, Text Generator, Inclination, Local deformation & Crack width with laser.		\$ 8,840.00	\$ -
1.59.3	Advanced Enterprise Infinity ANNUAL Support Plan includes: Unlimited Phone, Email, and Remote Internet Technical Support Unlimited Maintenance Upgrades and Version Upgrades to Win Can VX 5 Hours per year of Web Ex Training Same Day Support and Service		\$ 1,194.00	\$ -
1.59.4	SUBSCRIPTION ANNUAL Win Can VX Advanced License includes: Section/Lateral/Manhole, Basic Reporting, Data Viewer, All languages & Standards, Map Entry, Photo Assistant, Drawing function, Meta DB, Data Transfer Tool, SQL & Oracle database option, Multiple Inspection, Grading, Software Encoding, MPEG 1/2/4 Recording, NASSCO Validator, Text Generator, Inclination, Local deformation & Crack width with laser.		\$ 2,698.00	\$ -
1.59.5	Win Can VX Expert License includes: Section/Lateral/Manhole, Basic Reporting, Report Generator, Data Viewer, 3D, All languages & Standards, Map Expert/ArcGIS, Photo Assistant, Drawing function, Meta DB, Data Transfer Tool, SQL & Oracle database option, Multiple Inspection, Grading, Software Encoding, MPEG 1/2/4 Recording, NASSCO Validator, Text Generator, Inclination, Local deformation & Crack width with laser, Work Order Management, Statistics, and GIS Queries.		\$ 13,000.00	\$ -
1.59.6	Expert Enterprise Infinity Support Plan includes: Unlimited Phone, Email, and Remote Internet Technical Support Unlimited Maintenance Upgrades and Version Upgrades to Win Can VX 5 Hours per year of Web Ex Training Same Day Support and Service		\$ 1,818.00	\$ -

Spec #	Description	Qty	Price	Subtotal
1.59.7	SUBSCRIPTION ANNUAL Win Can VX Expert License includes: Section/Lateral/Manhole, Basic Reporting, Report Generator, Data Viewer, 3D, All languages & Standards, Map Expert/ArcGIS, Photo Assistant, Drawing function, Meta DB, Data Transfer Tool, SQL & Oracle database option, Multiple Inspection, Grading, Software Encoding, MPEG 1/2/4 Recording, NASSCO Validator, Text Generator, Inclination, Local deformation & Crack width with laser, Work Order Management, Statistics, and GIS Queries.		\$ 3,947.00	\$ -
1.59.8	3 User Win Can VX Expert Network License includes: Section/Lateral/Manhole, Basic Reporting, Report Generator, Data Viewer, 3D, All languages & Standards, Map Expert/ArcGIS, Photo Assistant, Drawing function, Meta DB, Data Transfer Tool, SQL & Oracle database option, Multiple Inspection, Grading, Software Encoding, MPEG 1/2/4 Recording, NASSCO Validator, Text Generator, Inclination, Local deformation & Crack width with laser, Work Order Management, Statistics, and GIS Queries.		\$ 26,000.00	\$ -
1.59.9	3 User Expert Enterprise Infinity Support Plan includes: Unlimited Phone, Email, and Remote Internet Technical Support Unlimited Maintenance Upgrades and Version Upgrades to Win Can VX 5 Hours per year of Web Ex Training Same Day Support and Service		\$ 3,635.00	\$ -
1.59.10	SUBSCRIPTION ANNUAL 3 User Win Can VX Expert Network License includes: Section/Lateral/Manhole, Basic Reporting, Report Generator, Data Viewer, 3D, All languages & Standards, Map Expert/ArcGIS, Photo Assistant, Drawing function, Meta DB, Data Transfer Tool, SQL & Oracle database option, Multiple Inspection, Grading, Software Encoding, MPEG 1/2/4 Recording, NASSCO Validator, Text Generator, Inclination, Local deformation & Crack width with laser, Work Order Management, Statistics, and GIS Queries.		\$ 7,893.00	\$ -
1.59.11	Win Can VX Office License includes: Section/Lateral/Manhole, Basic reporting, Report Generator, Data Viewer, All languages & Standards, Map Entry, Photo Assistant, Drawing function, Meta DB, Data Transfer Tool, SQL & Oracle database option, Multiple Inspection, Grading, NASSCO Validator, Inclination, Local deformation & Crack width with laser.		\$ 5,720.00	\$ -
1.59.12	Office Enterprise Infinity Support Plan includes: Unlimited Phone, Email, and Remote Internet Technical Support Unlimited Maintenance Upgrades and Version Upgrades to Win Can VX 5 Hours per year of Web Ex Training Same Day Support and Service		\$ 773.00	\$ -
1.59.13	SUBSCRIPTION ANNUAL Win Can VX Office License includes: Section/Lateral/Manhole, Basic reporting, Report Generator, Data Viewer, All languages & Standards, Map Entry, Photo Assistant, Drawing function, Meta DB, Data Transfer Tool, SQL & Oracle database option, Multiple Inspection, Grading, NASSCO Validator, Inclination, Local deformation & Crack width with laser.		\$ 1,699.00	\$ -
1.59.14	3 User Win Can VX Office Network License includes: Section/Lateral/Manhole, Basic reporting, Report Generator, Data Viewer, All languages & Standards, Map Entry, Photo Assistant, Drawing function, Meta DB, Data Transfer Tool, SQL & Oracle database option, Multiple Inspection, Grading, NASSCO Validator, Inclination, Local deformation & Crack width with laser.		\$ 11,440.00	\$ -
1.59.15	3 User Office Enterprise Infinity Support Plan includes: Unlimited Phone, Email, and Remote Internet Technical Support Unlimited Maintenance Upgrades and Version Upgrades to Win Can VX 5 Hours per year of Web Ex Training Same Day Support and Service		\$ 1,545.00	\$ -
1.59.16	SUBSCRIPTION ANNUAL 3 User Win Can VX Office Network License includes: Section/Lateral/Manhole, Basic reporting, Report Generator, Data Viewer, All languages & Standards, Map Entry, Photo Assistant, Drawing function, Meta DB, Data Transfer Tool, SQL & Oracle database option, Multiple Inspection, Grading, NASSCO Validator, Inclination, Local deformation & Crack width with laser.		\$ 3,399.00	\$ -
1.59.17	Ring Laser Deformation Measurement, Sonar Scanning and IBAK 3DGS		\$ 4,108.00	\$ -
1.59.18	Maintenance- Enterprise Infinity Maintenance		\$ 624.00	\$ -
1.59.19	SUBSCRIPTION Annual Ring Laser Deformation Measurement, Sonar Scanning and IBAK 3DGS		\$ 1,248.00	\$ -
1.59.20	Scan Explorer		\$ 5,720.00	\$ -
1.59.21	SUBSCRIPTION Annual Scan Explorer		\$ 1,768.00	\$ -
1.59.22	Asset Management Module		\$ 4,108.00	\$ -

Spec #	Description	Qty	Price	Subtotal
1.59.23	SUBSCRIPTION Annual Asset Management Module		\$ 1,248.00	\$ -
1.59.24	Rackmount Computer		\$ 2,808.00	\$ -
1.59.25	Laptop Computer with Docking Station		\$ 1,924.00	\$ -
1.59.26	Pinnacle Dazzle Card		\$ 109.00	\$ -
1.59.27	Vitec Card		\$ 1,144.00	\$ -
1.59.28	Aver Media Card		\$ 202.00	\$ -
1.59.29	TG09 Text Overlay		\$ 2,288.00	\$ -
1.59.30	Encoder Wheel		\$ 572.00	\$ -
1.59.31	One Day On-Site Installation and Training includes instructor's time and expenses		\$ 1,500.00	\$ -
1.59.32	Two Day On-Site Installation and Training includes instructor's time and expenses		\$ 3,300.00	\$ -
1.59.33	Web Storage - Small - 25G - MONTHLY		\$ 49.00	\$ -
1.59.34	Web Storage - Medium - 500GB - MONTHLY		\$ 190.00	\$ -
1.59.35	Web Storage - Large - 3 TB - MONTHLY		\$ 490.00	\$ -
1.59.36	Web Storage - Additional Terabyte - MONTHLY		\$ 50.00	\$ -
1.60	Cable and Cable Drum Options Use this section to offer cable and cable drum options. Number items starting with 1.61, 1.62, etc. Use as many numbers as you need.			
1.61	RX Sat Lateral Launch upgrade to Rovver X with DCX5000 desk mount controller and CCU (requires Software and installation)		\$ 97,760.00	\$ -
1.62	Top Manhole roller		\$ 366.00	\$ -
1.63	Flexible cable guide pulley for manhole bottom		\$ 1,116.00	\$ -
1.64	Tiger Tail guide		\$ 68.00	\$ -
1.70	Other Crawler Options Use this section to offer crawler options. Number items starting with 1.71, 1.72, etc. Use as many numbers as you need.			
1.71	Additional Pressurization System with CO2 canister		\$ 366.00	\$ -
1.80	PERFORMANCE OPTIONS Use this section to offer performance & extended warranty options. Number items starting with 1.81, 1.82, etc. Use as many numbers as you need.			
1.81	1 Year warranty on Rovver X components			\$ -
1.90	EXTENDED WARRANTY OPTIONS Use this section to offer performance/warranty options, number these items starting with 9.1, 9.2, 9.3, etc. (Specify years, miles or hours extended term covers.)			
1.91			Price: \$	
1.20	VENDOR OWNED RENTAL RETURN OR DEMO EQUIPMENT PROGRAM See Solicitation Special Terms and Conditions. DEDUCT cost per Used Hour from the original Contract Price		\$15.00	
2.0	DISCOUNT OFF LIST PRICE FOR RELATED PARTS AND ACCESSORIES (See Special Terms and Conditions)			%
	Price List Date and Number		\$	
2.1	NEW EQUIPMENT RENTAL PROGRAM If rental programs are available on the new equipment offered, with the option to purchase, list the hourly/weekly/monthly rental rate. Indicate the percent of rental fee paid by the purchaser that will be applied to the purchase price. See Solicitation Special Terms & Conditions.			
	Hourly Rental Rate:		\$	
	Weekly Rental Rate:		\$	
	Monthly Rental Rate:		\$	
	Percent (%) of Rental Fee applied to purchase price:			%
2.2	Delivery Starting Point (city, state, zip code)		Saint Paul MN, 55106	
2.3	Price per loaded mile		\$5.50	