

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

Price quote for:

**Crawler Inspection Camera System**

Vendor Name:	<b>MacQueen Equipment, Inc.</b>
Contact Person:	<b>Dan Gage</b>
Street Address:	<b>595 Aldine Street</b>
P.O. Box:	
City, State, Zip	<b>St. Paul MN 55104</b>
Phone #:	<b>651.645.5726</b>
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Email Address:	<a href="mailto:dgage@macqueeneq.com">dgage@macqueeneq.com</a>

<b>Spec #</b>	<b>Information Requested</b>	<b>Answer</b>
<b>1.0</b>	<b>Make &amp; Model</b>	Envirosight Rovver X
	<b><u>Crawler:</u></b>	
	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" diameter rubber/ four 4.33" diameter rubber/four 4.33" diameter soft composite grease with grit impregnation/four 5.31" rubber wheels
	Overlapping wheel design to prevent high centering	YES
	Wheel/Track change tool requirement	Allen wrench (supplied)
	Wheel/Track change time requirement	4 wheel change is 4 minutes
	Minimum pipe diameter	6"
	Dimension-crawler only (LxHxW)	12.5 x 5.4" x 3.15"

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	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	Nickel plated brass, 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
	<b><u>Camera:</u></b>	
	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	4mm, f1.2, remote focus
	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
	Field replaceable lights	YES

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	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	YES
	Does camera maintain pressure when removed from crawler	YES
	Will camera connect to cable w/o crawler and be fully functional	YES
	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
	<b><u>Cable:</u></b>	
	Cable length	1000
	Cable diameter	.19" diameter
	Break strength	1000lbs
	Single or multi-conductor	Multi-conductor
	Repairable	YES
	<b><u>Cable Reel:</u></b>	
	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
	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

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Spec #	Information Requested	Answer
	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
	<b><u>Central Control Unit:</u></b>	
	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
	<b>BASE UNIT PRICE:</b>	

AUGUST 2013

VENDOR NAME

MacQueen Equipment Inc.

MAKE AND MODEL

Rover X

Spec #	Description	Qty	Price	Subtotal
1.0	<b>Price for base unit:</b>		\$ 70,625.00	\$ -
1.1	<b>Crawler Options</b> 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		\$ 54,033.00	\$ -
1.12	Automated Remote Lift Accessory to raise camera		\$ 12,233.93	\$ -
1.13	Large Diameter Carriage Accessory (wheel extensions for inspection of large diameter pipe)		\$ 10,194.94	\$ -
1.14	LF2200 receiver locator with hard carrying case and headphones		\$ 3,024.00	\$ -
1.15	512 Hz external sonde transmitter 10-15' detection		\$ 504.00	\$ -
1.16	512 Hz external sonde transmitter 20-30' detection		\$ 963.00	\$ -
1.17	512 Hz external sonde transmitter 40-60' detection		\$ 1,723.00	\$ -
1.20	<b>Wheel Options</b> 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	Large diameter grease wheel (each)		\$ 417.00	\$ -
1.22	3.33" diameter small grease wheel for RX95 Crawler (each)		\$ 283.42	\$ -
1.23	4.33" diameter medium grease wheel (each)		\$ 367.00	\$ -
1.24	3.33" diameter rubber wheel (each)		\$ 95.78	\$ -
1.25	4.33" diameter wide rubber wheel (each)		\$ 370.00	\$ -
1.26	4.33" diameter super aggressive spike wheel (each)		\$ 333.00	\$ -
1.27	5.31" diameter large rubber wheel (each)		\$ 255.00	\$ -
1.28	Large balloon tires for RX Carriage (each)		\$ 404.00	\$ -
1.29	Wheel bolt kit		\$ 44.00	\$ -
1.30	<b>Camera Options</b> 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	Rover "X" rear view camera with LED lamps		\$ 4,587.00	\$ -
1.32	DigiSewer side scan camera system for Rover 125 & 225 crawlers. Includes USB adapter Includes WinCan software module <b>DOES NOT INCLUDE WIN CAN V8</b> (will require WinCan V8)		\$ 53,013.69	\$ -
1.33	LRD400 RCX90 Laser Profiler – includes laser profiler snap on for RVX RCX 90 snap-on from <b>6" to 24" pipes</b> , calibration tool, Wincan Entry, Wincan OSD Controls, MPEG 1/2/4 Compression, Wincan Laser Scan Module, and extensions. This doesn't include computer, Vitec Card, Training, or support package, please add separate.		\$ 23,744.00	\$ -
1.34	Ten Head Laser (10X50 mW) With Skid for 36" to 48" Pipes		\$ 44,741.00	\$ -
				\$ -
1.40	<b>Lighting Options</b> 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	Auxiliary LED Light		\$ 3,058.48	\$ -
			\$ -	\$ -
1.50	<b>Control Consoles</b> Use this section to offer control console options. Number items starting with 1.51, 1.52, etc. Use as many numbers as you need.			
1.51	19" LCD TV monitor (installed in build out)		\$ 765.00	\$ -
1.52	17" LCD computer monitor (installed in build out)		\$ 841.00	\$ -
1.53	<b>Win Can Professional</b> / WC Entry / WC OSD Control/ Crack Measuring / WC Viewer / PACP Module/ MPEG 1/214 Compression		\$ 7,136.00	\$ -

Spec #	Description	Qty	Price	Subtotal
1.54	<b>Win Can Ultimate</b> / WC Entry / WC OSD Control/ Crack measuring / WC Viewer / PACP Module/ MPEG 1/214 Compression / Manhole Module / Photo Assist Module / WC Validator Module / Report Generator		\$ 11,214.00	\$ -
1.55	<b>Win Can Office</b> / WC Entry / Manhole Module / Crack measuring / WC Viewer / PACP Module / Photo Assist Module / Lateral Module / WC Validator Module / Report Generator		\$ 5,097.00	\$ -
1.56	<b>Win Can Pro Touch</b> / Touch Screen Data Collection / PACP Module / Pro Touch Viewer / MPEG 1/214 Compression		\$ 2,548.00	\$ -
1.57	<b>Win Can Rovver X Package</b> / Win Can Entry / Bronze Infinity Support / 5 Hours Web Training		\$ 4,587.00	\$ -
1.58	Win Can Entry		\$ 3,028.00	\$ -
1.59	Photo Assist Module		\$ 3,028.00	\$ -
1.59.1	Lateral Module		\$ 1,529.00	\$ -
1.59.2	Manhole Module		\$ 1,529.00	\$ -
1.59.3	WinCan Validation Module		\$ 1,019.00	\$ -
1.59.4	WinCan Transfer Module		\$ 2,038.00	\$ -
1.59.5	Report Generator Module		\$ 1,529.00	\$ -
1.59.6	WinCan Project Manager Module		\$ 1,529.00	\$ -
1.59.7	OSD Control Module		\$ 1,019.00	\$ -
1.59.9	MPEG 1/2/4 Compression		\$ 4,077.00	\$ -
1.59.10	DIVX/MPEG 1 Compression		\$ 1,529.00	\$ -
1.59.11	Inclination Module		\$ 2,038.00	\$ -
1.59.12	Parrellel Laser Measurment Module		\$ 2,038.00	\$ -
1.59.13	WinCan 3D Module		\$ 5,097.00	\$ -
1.59.14	Multiple Inspection Module		\$ 1,529.00	\$ -
1.59.15	WinCan Scan Explorer Module		\$ 7,646.00	\$ -
1.59.16	WinCan Laser Scan Module (For Ring and Mulit Pouint Lasers)		\$ 5,097.00	\$ -
1.59.17	WinCan Map Module		\$ 4,077.00	\$ -
1.59.18	WinCan GIS Office		\$ 7,646.00	\$ -
1.59.19	WinCan Pro Clean		\$ 7,646.00	\$ -
1.59.20	WinCan Version Upgrade		\$ 4,077.00	\$ -
1.59.21	WinCan Hansen Integration		\$ 6,626.00	\$ -
1.59.22	WinCan 5 Seat Network License		\$ 12,131.00	\$ -
1.59.23	Rack Mounted Computer		\$ 2,936.00	\$ -
1.59.24	Laptop Computer		\$ 1,835.00	\$ -
1.59.25	TG-09 Endcoder wheel		\$ 2,548.00	\$ -
1.59.26	Vitec Video Card		\$ 2,038.00	\$ -
1.59.23	Two Day on Site Software Training		\$ 3,395.01	\$ -
1.59.24	USB Mobile Capture Card		\$ 1,019.00	\$ -
1.59.25	USB Dazzle Capture Card		\$ 92.00	\$ -
1.59.26	Two Day on Site Software Training		\$ 3,395.01	\$ -
1.59.27	Bronze Infinity Plain Service Agreement		\$ 1,529.00	\$ -
1.59.28	DCX500 Desk top Controller (Requires Software to operate Rovver X System)		\$ 7,070.00	\$ -
1.60	<b>Cable Drum Options</b> 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		\$ 101,000.00	\$ -
1.62	1640' DCX 5000 Cable reel ILO 1000'		\$ 26,160.00	\$ -
1.63	Top Manhole roller		\$ 344.00	\$ -
1.64	Flexible cable guide pulley for manhole bottom		\$ 649.42	\$ -
1.65	Tiger Tail guide		\$ 67.92	\$ -
1.70	<b>Other Crawler Options</b> 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				\$ -
1.72				\$ -
1.80	<b>PERFORMANCE OPTIONS</b> 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			\$ -
1.82	1 Year warranty on electronics			\$ -

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1.90	<b>EXTENDED WARRANTY OPTIONS</b> 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	<b>VENDOR OWNED RENTAL RETURN OR DEMO EQUIPMENT PROGRAM</b> See Solicitation Special Terms and Conditions. <b>DEDUCT</b> cost per Used Hour from the original Contract Price		\$15.00	
2.0	<b>DISCOUNT OFF LIST PRICE FOR RELATED PARTS AND ACCESSORIES</b> (See Special Terms and Conditions)			%
	<b>Price List Date and Number</b>		\$	
2.1	<b>NEW EQUIPMENT RENTAL PROGRAM</b> 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.			
	<b>Hourly Rental Rate:</b>		\$	
	<b>Weekly Rental Rate:</b>		\$	
	<b>Monthly Rental Rate:</b>		\$	
	<b>Percent (%) of Rental Fee applied to purchase price:</b>			%
2.2	<b>Delivery Starting Point (city, state, zip code)</b>		Saint Paul MN, 55104	
2.3	Price per loaded mile		\$5.50	