

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

Price quote for:

**Crawler Inspection Camera System**

Vendor Name: **Northern Sewer Equipment Co Inc**  
 Contact Person: **Bruce Ward**  
 Street Address: **W10417 Hubbleton Rd**  
 P.O. Box:  
 City, State, Zip: **Waterloo, WI 53594**  
 Phone #: **608-575-7060**  
 Toll Free #: **888-301-2409**  
 Fax #: **None**  
 Email Address: [nse@hughes.net](mailto:nse@hughes.net)

Spec #	Information Requested	Answer
1.0	<b>Make &amp; Model</b>	RST/Subsite Model 1375
	<b><u>Crawler:</u></b>	
	Number of drive wheels/tracks	Two Tracks, Wheeled is optional
	Number of drive motor(s)	1-150W (2-90W ON WHEELED)
	Drive mechanism (chain, belt, gear, etc.)	Gear Drive
	Does drive mechanism have a clutch	Yes
	Internal pressure rating	7 PSI
	Pressurization method	NITROGEN CHARGE KIT (OPTIONAL)
	Does crawler maintain pressure if camera is removed	Yes
	Over/under pressure indicator light	Camera Only
	Can repressurization be accomplished in the field	Yes
	Quantity, type & size of tracks/wheels included with base package	One 6"-15" Track, Crawler
	Overlapping wheel design to prevent high centering	Available with optional Wheeled Tractor
	Wheel/Track change tool requirement	Socket Wrench
	Wheel/Track change time requirement	Two Minutes
	Minimum pipe diameter	6"
	Dimension-crawler only (LxHxW)	27" X 4.5" X 4.75"

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Spec #	Information Requested	Answer
	Overall length with camera attached	31"
	Weight of crawler	20 lbs
	Overall weight crawler with camera attached	30 lbs
	Material the crawler constructed from	Stainless Steel, Brass
	Cable connector type to crawler	6-pin Screw On Connector
	Tools required to connect/disconnect crawler from cable	None
	Number of controls required to operate crawler	One Joy Stick Controller
	Direction crawler can operate (example: forward/neutral/reverse)	Forward, Neutral, Reverse, Free Wheel
	Is crawler steerable	Steerable only available on wheeled tractor
	Does crawler have rear vision camera capability	No, Standard on wheeled tractor
	Inclinometer standard	Optional
	Power requirement (watts/amps/voltage)	80-120VDC, 1/4 amp
	Is a Sonde device available	Yes, Optional
	<b><u>Camera:</u></b>	
	Pan & tilt	Yes
	Pan and tilt control type	Joy stick controlled
	Home position control type	Yes, standard
	Pixels & lines of resolution	379000 Pixels, 470 Lines of Res
	Zoom (magnification optical & digital)	40X Zoom, 10X Optical, 4X Digital
	Lux rating	.2 Lux
	Construction material	Aluminum, Stainless Steel
	Lens type	Sapphire Lens
	Lens field of view (VxHxD)	F1.4 Lens, 70 degree field of view
	Black & white or color	Color Camera
	Lighting type	LED High Intensity
	Type of lighting control	Toggle switch control
	Field replaceable lights	No
	Focus (auto & manual)	Auto with manual override
	Connection type	4-pin screw on connection

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	Dimensions (LxHxW)	17" L X 2.6'H X 2"W
	Camera weight	10 lbs
	Pressurization method	Nitrogen charge kit
	Internal pressure rating	7 PSI
	Over/under pressure indicator light	Yes, standard
	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	330 Degrees
	Maximum viewing angle for tilt	270 Degrees
	Camera controller have "home" position function type	Yes, standard
	Does camera have the ability to view 360 degrees	Yes
	Field replaceable windshield on camera	Yes
	<b><u>Cable:</u></b>	
	Cable length	1,000 ft.
	Cable diameter	1/4" Diameter
	Break strength	5,200 lbs
	Single or multi-conductor	Single Conductor
	Repairable	Yes, in field termination
	<b><u>Cable Reel:</u></b>	
	Motorized (yes/no)	Yes
	Drive type	Electric, Gear and Chain
	Automatic pay-out, or pulled by crawler	Free wheel is standard, Auto pay out is optional
	Automatically payed-in	Pay in is operator controlled
	Cable reel level wind system	Yes, Automatic
	Drum emergency stop switch	Optional
	Resettable counter	Yes Standard
	Counter-mechanical or electronic	Mechanical and electronic is standard
	Forward/reverse engagement control type (manual or electronic)	Electronic forward, reverse, free wheel
	Speed control type	Variable speed control

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Spec #	Information Requested	Answer
	Type of torque control	Clutch
	Overheat sensor	No
	Cable reel capacity	1,000 ft
	Portable	Yes
	Dimensions (LxHxW)	24"L X 15"H X 16"W
	Power requirements	110 VAC
	<b><u>Central Control Unit:</u></b>	
	Power requirements	110VAC
	Circuit protection type	Circuit Breakers
	Video in/out	Yes,
	Type of text generator	Data Display Lite,
	Keyboard	104 KEY PS2
	Desktop camera control	Yes, Joy stick
	Number of video text generators on-screen	17 Lines
	Video display of footage, time and date	Yes
	Warranty	Two Year
	<b>BASE UNIT PRICE:</b>	<b>\$39,950.00</b>

VENDOR NAME

Northern Sewer Equipment Co Inc

MAKE AND MODEL

RST/Subsite 1375

Spec #	Description	Qty	Price	Subtotal
1.0	<b>Price for base unit:</b>		\$ 39,950.00	\$ -
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	PROTRAK CRAWLER V2 EXTENSION KIT, 18" - 30"		\$ 1,425.00	\$ -
1.12				\$ -
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	TRANSTAR 6-WHEELED STEERABLE TRACTOR WITH REAR VIEW COLOR CAMERA AND ELECTRONIC CAMERA ELEVATOR IN LIEU OF 6" - 15" CRAWLER INCLUDED IN BASE BID		\$ 9,475.00	\$ -
1.22	8" RUBBER CASTER WHEEL, 6-EACH INCLUDED		\$ 793.00	
1.23	MEGA TRAK WHEEL KIT, CARBIDE WHEEL, 6" TO 18" PIPE		\$ 2,117.00	
1.24	6" PNEUMATIC WHEELS, 4-EACH INCLUDED		\$ 900.00	
1.25	8" PNEUMATIC WHEELS, 4-EACH INCLUDED		\$ 900.00	
1.26	KNOBBY RUBBER TIRES, 12" - 24", 4-EACH INCLUDED		\$ 848.00	
1.27	STORM DRAIN TRACTOR, 4-WHEEL DRIVE, STEERABLE, 24" TO 120" PIPE WITH ELECTRONIC CAMERA ELEVATOR AND AUXILIARY LED LIGHTS		\$ 17,325.00	
1.28	PLANITARY GEAR REDUCTION EXTENSION KIT		\$ 2,600.00	
1.29	4" - 10" MIGHTY MINI WHEELED TRACTOR		\$ 5,985.00	
				\$ -
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	INCLINOMETER		\$ 2,150.00	\$ -
1.32	SONAR PROFILER INTERFACE SYSTEM		\$ 12,500.00	
1.33	LASER CRACK MEASUREMENT		\$ 2,900.00	
1.34	LASER PROFILER, 8" TO 36"		\$ 32,000.00	
1.35	CAMERA DIAGNOSTICS ARE INCLUDED WITH BASE BID		\$ -	\$ -
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				\$ -
1.42				\$ -
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	HAND HELD CONTROLLER FOR ALL CAMERA AND TRACTOR FUNCTIONS, TO BE USED AT REAR OF UNIT		\$ 600.00	\$ -
1.52	WIRELESS CAMERA AND TRACTOR CONTROLLER		\$ 1,800.00	
1.53	MAINLINE PCU, INCLUDES GENERATOR START, CABLE REEL OPERATION, CAMERA CONTROLS		\$ 5,450.00	\$ -
1.60	<b>Cable and 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	ADDITIONAL 500' OF SINGLE CONDUCTOR CABLE		\$ 1,500.00	\$ -
1.62	AUTOMATIC PAY OUT OF CABLE, MAINLINE REEL ONLY		\$ 2,700.00	
1.63	EMERGENCY STOP, MAINLINE REEL ONLY		\$ 220.00	
1.64	MAINLINE CABLE REEL IN LIEU OF COMPACT PORTABLE REEL, HOLDS 2,500 FT OF CABLE		\$ 3,125.00	
1.65	ARTICULATING CABLE GUIDE		\$ 580.00	

Spec #	Description	Qty	Price	Subtotal
1.66	DOWN MANHOLE ALUMINUM ROLLER CABLE GUIDE ASSEMBLY		\$ 1,250.00	
1.67				\$ -
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	LASER PROFILER, 8" TO 36" PIPE		\$ 32,000.00	\$ -
	LATERAL LAUNCHER SYSTEM, INCLUDES HEAVY DUTY CRAWLER, PAN & TILT CAMERA, CABLE REEL AND CABLE, CONTROLLER, SELF LEVELING COLOR CAMERA, LCD MONITOR		\$ 49,000.00	
	POSM (PIPE OBSERVATION SYSTEM MANAGEMENT) TO INCLUDE POSM PRO SOFTWARE, SOLID STATE COMPUTER, WINDOWS 7 OPERATING SYSTEM, MIN OF 150 GIG HARD DRIVE, 19" LCD MONITOR, SPEAKERS, BATTERY BACKUP, OVERLAY, PRINTER, TECH SUPPORT, MOUSE, KEY BOARD, IN LIEU OF DATA DISPLY IN BASE BID		\$ 17,900.00	
1.72	PAN & TILT CAMERA FOR LATERAL IN LIEU OF SELF LEVELING CAMERA		\$ 14,500.00	\$ -
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	2 YR WARRANTY ON CAMERA AND TRACTOR IS INCLUDED			\$ -
1.82	5 YEAR WARRANTY ON ALL CONTROLLERS AND SINGLE CONDUCTOR CABLE IS INCLUDED			\$ -
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	TRAINING IS INCLUDED AT NO CHARGE		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		NOT AVAILABLE	
2.0	<b>DISCOUNT OFF LIST PRICE FOR RELATED PARTS AND ACCESSORIES</b> (See Special Terms and Conditions)			5
	<b>Price List Date and Number</b>		1/1/2018	
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>		NO BID	
	<b>Weekly Rental Rate:</b>		NO BID	
	<b>Monthly Rental Rate:</b>		NO BID	
	<b>Percent (%) of Rental Fee applied to purchase price:</b>		NO BID	
2.2	<b>Delivery Starting Point (city, state, zip code)</b>		WATERLOO, WI	
2.3	Price per loaded mile		SHIPPING IS INCLUDED	