Key Equipment & Supply Co.
The key to quality since 1962

Branch Office
P.O. Box 11035
Kansas City, KS 66111
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Maryland Heights, MO 63043
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February 22, 2011

Reva Jones, GS Specialist/Buyer
MODOT
P.O. Box 270
Jefferson City, MO 65102

Dear Reva,

Thank you for the opportunity to provide all MODOT Districts the 2011 revised Elgin Whirlwind MV Pure Vaccum Street Sweeper featuring Dual 36" side brooms and the ability to vacuum on both sides at the same time. Key Equipment and Supply Company is proud to provide the safest, durable and most dependable street sweeper on the market today.

Please review the following standard features:

- Auxiliary engine, John Deere 4045TF150, 4 cylinder Turbocharged diesel,
- Horsepower: 115 HP (86 kW) at 2500 RPM
- Displacement: 276 cu. in. (4.5 L)
- Drive: Fluid coupling blower drive with power belt
- Doors, fiberglass access doors provide easy service and maintenance on auxiliary engine, hydraulic and electrical system
- LED clearance lights
- In cab hopper dump
- Fuel water separator for aux engine
- Control console, with rocker switches for all sweep functions, including memory sweep in an ergonomically designed console with full gauge package including diagnostic gauge, tachometer, engine hour meter, oil pressure indicator, coolant temperature, voltmeter and fuel level indicator, auxiliary engine RPM control, side broom down pressure controls, manual reset circuit breakers, water level gauge and warning lights for hopper "up", hopper rear door "open" and hopper "full"
- Auto shutdown, auxiliary engine
- Hopper rear door, hydraulically opened/closed and locked/unlocked with external controls
- Camera, Rear View
- Fuel tank, 50 gallon (189 L)
- Hose, hydrant fill, 16'8" (5080 mm) with coupling
- Electronic Throttle
- Auto Shutdown Auxiliary Engine
- Hydraulic oil cooler
- Sweep resume/sweep transport/reverse pick-up
- Dual air suspension seats

In addition to the standard features, the following product enhancements meet and or exceed the 2011 MODOT specifications:

- Robert Shaw Automatic Lube System, Sweeper Only (grease pump for each zerk)
- LifeLiner Hopper Liner with Limited Lifetime Warranty
- Right Hand Hopper Inspection Door
- Whirlwind MV Operators, Service and Parts Manuals
- (2) LED Strobe Lights with limb Guards mounted Front and Rear of Hopper
- (2) Alternating LED Strobe Lights mounted Flush on Rear
- Left and Right Side Broom Tilt Controlled from in Cab
- Front Spray Bar
- Chassis hour meter
- Paint Cab Yellow to match Sweeper
- MODOT Special Arrowboard
- AM/FM/CD Radio

Delivered Price per Unit $219,595.00
Price is good through February 28, 2012
Includes on site factory certified training by Key Equipment for service and operation
Payment Terms are Net 10
Delivery in approximately 90 days A.R.O.
Base chassis is 2011 Freightliner M2 with dualization, Subject to Availability. Other chassis choices are offered.
Other product enhancements are available to add to these specifications...see enclosure.

If you need any information, please call our Kansas City office at 800-262-0149 or our St. Louis office at 800-325-4323. If I am traveling and you have an urgent need for information, a message will be forwarded immediately to my mobile phone. I am also available by e-mail at steve@keyequipment.com .

Yours truly,

Steven Hyink
President

MODOT Whwirlwind Options

	Options for Dual Whilwind Red denoted items are included in 2009 MODOT Bid	Add / Delete
1092627	LIFELINER HOPPER W/LIMITED LIFETIME WARRANTY	$3,000.00
1085864	RH INSPECTION DOOR	$250.00
1069882	ROBERT SHAW AUTO LUBE – SWEEPER ONY	$3,600.00
1090605	AM/FM RADIO W/CD - UD	$500.00
1091284	PAINT OUTSIDE CAB -1 COLOR	$1,850.00
1087730	RH 36/42" SB TILT	$500.00
1087729	LH 36/42" SB TILT	$500.00
1088721	VARIABLE SPEED DUAL SIDEBROOMS	$800.00
1091286	RH/LH HEATED REMOTE CNTLD MIRRORS	$800.00
special	LED STROBE FRONT & REAR OF HOPPER	$800.00
special	LED FLUSH MOUNTED STROBES REAR OF UNIT	$800.00
special	MODOT SPECIAL ARROWBOARD	$5,500.00
special	PAINT SWEEPER RAL 1037 YELLOW	$0.00
special	FRONT SPRAY BAR DUAL- UD CHASSIS	$250.00
702440	WHIRLWIND MV-3000 SERVICE MANUAL	$100.00
1091293	CHASSIS SERVICE MANUAL CD ROM	$300.00
1092622	FRONT SPRAY BAR DUAL	$300.00
	2011 FREIGHTLINER M2	$70,000.00
1099400	2010 NISSAN UD-3300 CHASSIS * subject to availability	$79,800.00
	----------ALARM----------	
1048703	BACKUP ALARM-SMART SA940-G	$350.00
1048753	BACK UP ALARM-PRECO	$245.00
	---------AUTO LUBE--------	
1069882	AUTO LUBE - SWEEPER	$5,305.00
	------AUX ENGINE----------	
1078045	TURBO II PRECLEANER	$440.00
1078204	AUX-AIR FILT REST IND LIT	$560.00
1086686	COLD WEATHER STARTING KIT	$370.00
1088321	AUX ENG PRE-CLEANER	$440.00
1088982	1000 WATT BLOCK HEATER	$345.00
	----------DECALS----------	
1090208	T3 RED LOGO-MV	$0.00
1090209	T3 WHITE LOGO-MV	$0.00
	----------HOPPER----------	
1071234	SS HOPPER SCREEN	$1,250.00
1092627	LIFELINER HOPPER W/WARRANTY	$4,775.00
1085864	RH INSPECTION DOOR	$380.00
1085882	LH INSPECTION DOOR	$380.00
1085883	RH INSPECTION DOOR & STEP	$630.00
1085886	LH INSPECTION DOOR & STEP	$630.00
1085887	6" HOPPER DRAIN	$730.00
1088305	SS LND HPR, NO INSP DR, NO DRAIN	$7,255.00
1088308	SS LND HPR, LH INSP DR, NO DRAIN	$7,255.00
1088311	SS LND HPR, RH INSP DR, NO DRAIN	$7,255.00
1088312	SS LND HPR, DUAL INSP DOOR	$7,255.00
1088313	SS LND HPR, NO INSP DR, 6"	$7,255.00
1088314	SS LND HPR, LH INSP DR, 6"	$7,255.00
1088315	SS LND HPR, RH INSP DR, 6"	$7,255.00
1088316	SS LND HPR, DUAL INSP DOOR	$7,255.00
1088317	SS LINED HOP FLOOR	$3,090.00
1088318	SS LINED HOPPER W/O HOPPER DOOR	$5,895.00
1089326	6" HPR DRN SS DOOR	$1,605.00
SPECIAL	ENTIRE HOPPER 304 SS	$10,000.00
	---------HYDRAULICS--------	
1093054	AUX HYD PUMP	$1,190.00
	--------INSTRUCTIONS-------	
704051	JD 4045HF TR3 OP MANUAL	$40.00
704050	JD 4045HF TR3 PARTS BOOK	$55.00
704052	JD 4045HF TR3 TECH MANUAL	$175.00
701413	WHIRLWIND MV-3000 OP	$60.00
702217	WHIRLWIND MV-3000 PARTS	$115.00
702440	WHIRLWIND MV-3000 SERVICE	$115.00
	----------LIGHTS----------	
1100375	LED MARKER LIGHTS	$65.00
1088212	WIRE/MOUNT REAR	$190.00
1088213	WIRE/MOUNT REAR BEACON W/GUARD	$395.00
1088214	WIRE/MOUNT REAR STROBE/GUARD	$425.00
1088216	WIRE/MOUNT R&L REAR (USE W/WANDERING HOSE)	$625.00

1088217	WIRE/MOUNT R&L REAR (USE W/OUT WANDERING HOSE)	$515.00
1088219	(2) REAR STROBES W/GUARDS	$940.00
1088228	ARROWBOARD	$1,500.00
1088229	REAR ARROWBOARD LED	$2,250.00
1088230	WIRE/GUARD (for a beacon or strobe) W/ARROWBOARD	$1,500.00
1088231	WIRE/GUARD (for a beacon or strobe) W/ARROWBOARD-LED	$2,315.00
1088233	REAR BEACON / ARROWBOARD	$1,750.00
1088234	ARROWBOARD W/REAR STROBE	$1,750.00
1088235	REAR BEACON/ARROWBOARD-LED	$2,450.00
1088246	REAR STROBE/ARROWBOARD-LED	$2,450.00
1088335	DUAL REAR FLOOD LIGHTS	$320.00
nm,,,,	SINGLE REAR FLOOD LIGHT	$170.00
1088384	WIRE MOUNT R&L REAR BEACON (USE W/WANDERING HOSE)	$1,065.00
1088385	WIRE MOUNT R&L REAR BEACON (USE W/O WANDERING HOSE)	$850.00
1088386	WIRE MOUNT R&L REAR STROBE (USE W/WANDERING HOSE)	$1,000.00
1088387	WIRE MOUNT R&L REAR STROBE (USE W/O WANDERING HOSE)	$850.00
1088533	(4) ALTERNATING FLASHING LIGHTS, REAR	$745.00
1089481	(4) ALTERNATING FLASHING REAR LED LIGHTS	$1,500.00
1090157	(2) REAR BUMPER STROBES	$755.00
1090458	(2) ALTERNATING FLASHING LIGHTS, REAR	$600.00
1090922	REAR BEACON / LED ARROWSTICK	$1,390.00
1090923	REAR STROBE / LED ARROWSTCK	$1,380.00
1095148	DUAL REAR LED FLOOD LIGHTS	$470.00
1095149	SINGLE REAR LED FLOOD LIGHT	$240.00
1095531	REAR LED ARROWSTICK	$1,250.00
1096798	(2) REAR BEACONS / ARROWBOARD (USE W/WANDERING HOSE)	$1,655.00
1096799	(2) REAR BEACONS / ARROWBOARD (USE W/O WANDERING HOSE)	$1,655.00
1096800	(2) REAR BEACONS / LED ARROWBOARD (USE W/WANDERING HOSE)	$2,595.00
1096801	(2) REAR BEACONS / LED ARROWBOARD (USE W/O WANDERING HOSE)	$2,595.00
1096802	(2) REAR STROBES / ARROWBOARD (USE W/WANDERING HOSE)	$1,765.00
1096803	(2) REAR STROBES / ARROWBOARD (USE W/O WANDERING HOSE)	$1,765.00
1096804	(2) REAR STROBES / LED ARROWBOARD (USE W/WANDERING HOSE)	$2,585.00
1096805	(2) REAR STROBES / LED ARROWBOARD (USE W/O WANDERING HOSE)	$2,585.00
	------PM10 COMPLIANT------	
1087903	PM-10 DUAL GATE VALVE 28"	$2,655.00
1087904	PM-10 SNGL GATE VALVE 28"S	$2,655.00
1087899	PM-10 DUAL GATE VALVE 36"	$2,655.00
1087900	PM-10 SNGL GATE VALVE 36"	$2,655.00
	----------SAFETY----------	
1035572	FIRE EXT.2 1/2 ABC DRY CHM	$155.00
1036150	HYDRANT WRENCH (ELKHART)	$70.00
1048643	SLOW MOVING VEHICLE EMB.	$95.00
1088452	UTILITY COVER LIFTER RH	$2,250.00
1088453	UTILITY COVER LIFTER LH	$2,250.00
1092497	CAMERA REAR DEDUCT	-$385.00
	----SIDE BROOM OPTIONS----	
1036814	ALUM.S.B. SEG ILO STD EA.	$375.00
1049993	PLAS/POLY SB SET	$105.00
1078904	DUAL POLY BROOMS	$200.00
1086721	VAR SPD BRM DUAL	$1,170.00
1086722	VAR SPD BRM SINGLE	$590.00
1087729	LH 36/42" SB TILT	$975.00
1087730	RH 36/42" SB TILT	$975.00
1087950	SDBRM TILT LH 28"	$1,065.00
1087951	SDBRM TILT RH 28"	$1,065.00
	-------SWEEPER OPTIONS----	
1079679	AIR PURGE	$285.00
1086718	AUTO SHUTTER LH	$440.00
1086719	AUTO SHUTTER RH	$440.00
1067561	NOZZLE 3RD CASTER WHL-SNGL	$290.00
1067562	NOZZ.3RD CASTER WHL-DUAL	$575.00

MODOT Whwirlwind Options

	------TOOL BOX/TOOL KIT---	
1053426	TOOL KIT	$550.00
1057687	TOOL BOX W/TOOLS	$620.00
	--------WANDER HOSE--------	
1059263	4 FT ALUM. WH EXT.-RR MNT	$700.00
1063656	(2)4 FT ALUM WH EXT-RR MNT	$1,285.00
1082041	W/H L/D SPRING ASST	$2,340.00
1086694	HYD WAND HOSE DUAL	$3,750.00
1086695	HYD WAND HOSE SNGL	$3,750.00
1086696	HYD WAND HOSE SNGL W/FRONT	$3,750.00
1086697	HYD W/H DUAL VRSPD	$3,750.00
1086698	HYD W/H SNGL VRSPD	$3,750.00
1086699	HYD W/H SNGL VRSPD W/FRONT	$3,675.00
	------WATER SYSTEM--------	
1032484	25' WATER FILL HOSE	$150.00
1040094	QUICK DISCONNECT WATER FILL	$445.00
1059209	HOPPER DELUGE	$870.00
1078258	LOW PRESSURE WASHDOWN	$940.00
1086682	HIGH PRESSURE WASHDOWN	$3,000.00
	----------WARRANTY--------	

EW-120-2PL	WHIRL 2ND YEAR PARTS/LABOR	$1,710.00
	---UD CHASSIS OPTIONS------	
1080977	12"CONVEX MIRRORS	$0.00
1090605	AM/FM RADIO W/CD - UD	$755.00
1091172	CAB/2 REAR BEACONS (USE W/WH)	$1,630.00
1091173	CAB/2 REAR BEACONS (USE W/O WH)	$1,630.00
1091174	CAB/2 REAR STROBES (USE W/WH)	$1,630.00
1091175	CAB/2 REAR STROBES (USE W/O WH)	$1,630.00
1091280	5 YR BASE WARRANTY-100,000	$1,000.00
1091281	5 YR BASE WARRANTY-200,000	$1,595.00
1091282	5 YR BASE WARRANTY-300,000	$2,195.00
1091283	5 YR UNLTD WARR-ALLISON TR	$605.00
1091284	PAINT OUTSIDE CAB-1 COLOR	$2,655.00
1091285	PAINT DR JAMS/SHELL-1 COLOR	$3,315.00
1091286	RH/LH HTD REMOTE MIRRORS	$1,250.00
1091287	RH HEATED REMOTE MIRROR	$665.00
1091288	LH HEATED REMOTE MIRROR	$665.00
1091289	SINGLE AIR HORN	$815.00
1091290	IN CAB AIR REST GAUGE	$270.00
1091291	AUTO AIR DRAIN VALVES	$800.00
1091292	SLIP STYLE CORDURA SEAT COVER	$605.00
1101651	SERVICE MANUAL CD	$610.00
1091296	2.5 LB FIRE EXT	$190.00
1091297	5.0 LB FIRE EXT	$205.00
1091562	WIRE/MNT CAB/REAR	$500.00
1091563	BEACON CAB/REAR	$1,125.00
1091564	STROBE CAB/REAR	$1,125.00
1092621	FRONT SPRAY BAR SINGLE	$690.00
1092622	FRONT SPRAY BAR DUAL	$410.00
1092623	LED STRB CAB/REAR	$1,750.00
1093060	AUTO LUBE SWPR/TRK	$6,630.00
1093903	INSTL FR TOW HOOKS	$950.00
1093946	CHASSIS HOUR METER	$530.00
1093860	17" WORK PLATFORM	$1,995.00
1094026	SPARE WHEEL AND TIRE GY	$1,750.00
1096443	BATTERY DISCONNECT	$1,065.00
1099363	PAINT WHEELS TO MATCH BODY	$1,020.00
	----M2 CHASSIS OPTIONS----	
1070839	LED/STOP/TAIL/REAR TURN LT	$535.00
1075400	AM/FM/CD RADIO	$755.00
1080756	FENDER MOUNTED MIRROR-LH	$470.00
1080977	12" CONVEX MIRRORS-M2 IL0	$250.00
1081364	HTD REMOTE MIRRORS	$2,750.00
1081745	(2) BOST 905 VINYL MIDBACK	$1,450.00
1081746	(1) BOST. 905 VINYL MIDBACK	$940.00
1081747	2 BOST AIR 905 CLOTH HI-BACK	$1,350.00