

## **Wilmette Public Library**

### **Snow Tractor Proposal**

Marcos Levy, Facilities & Safety Manager

Tuesday, November 15, 2022

#### **Background**

Maintaining open, safe, and accessible walkways and grounds is essential to winter campus maintenance at the library. We work to reduce hazards year-round, and apply extra efforts to ensure due care during snow and ice season.

The Library maintains our permeable paver lot with a contracted snow removal service, which uses a special rubber blade to protect our pavers. Staff uses a combination of snow blowers and shovels to keep the north walkways clear, while the recently added snow melt system on the entry plaza and west walkways keeps those surfaces free from ice and snow accumulation. The Village uses its own implements to clear village sidewalks, including the Library's frontage on Wilmette and Park avenues as well as the alley on the east end of the library.

The winters of 2020-21 and 2021-22 were challenging in keeping up with continued and lighter snowfalls after our regular snow plow service completed their work. The difficulty was in maintaining adequate parking spaces, sidewalk clearances, and keeping the parking lot exit lane clear for vehicles to get through.



Even after a weather system has moved on, the seasonal accumulation can amount to dense snowpack (or icepack) over parking spaces and walkways that can persist for weeks if not addressed immediately.



With limited parking in our lot, keeping parking spaces and drive lanes clear of snow and ice (and visible to both drivers and pedestrians) is a matter of practical access, safety, and overall flow of traffic to ensure consistency and continuity of service.



Even after snowfall has paused, blowing conditions can undo the work of plows and sidewalk clearance. Having an implement to address such issues would help us to be more responsive and even proactive in addressing the next plowing service.

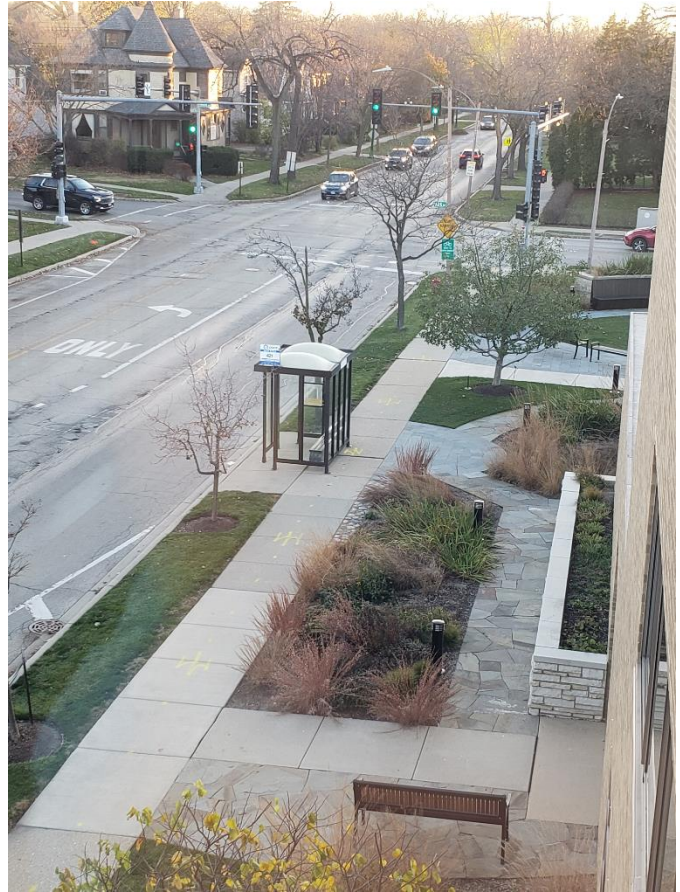


In winter 2021-22, a portion of the south native garden was damaged by the village’s westbound snow removal equipment when it needed to maneuver around the bus shelter and ultimately created ruts in the garden. We added decorative stone to this persistently challenging corner, and repaired the adjacent turf near the apple tree.

We wonder if the library were to apply a more proactive snow removal treatment of the village sidewalks in this area, we may be able to prevent further winter damage to our popular gardens and potentially limit the number of trips the village snow removal equipment needs to take around the south and west sides of the library’s frontage.

In any event, there are multiple hardscape surfaces on the south side of the library building that would benefit from snow removal that simply has not been possible with our existing equipment and means.

The library’s current snow blower is a two-stage gas powered domestic snow blower which has been in operation over a dozen years. It’s supplemented by other manual snow removal tools, but remains at or near its end of life for the scale of work it was designed to cover.



### Proposed Solution

I’ve been exploring options with peer libraries and have identified a potential solution to our challenges. In my conversation with the facility manager at Glenview Library, I learned that their use of a Ventrac snow tractor has helped in removing snow quickly and efficiently, with the added benefit of lowering fatigue on their team.

The accessories available with this tractor will help our department have different pieces of equipment to use as needed for a variety of snow conditions:

Plow - Poly Blade for Pavers



Snow Blower – Heavy Snow



Brush – Light Snow



## Q&A

- Why should the library have another snow removal implement?

*Our current equipment is outdated, requiring replacement/upgrade, and is limited in its applicability to a variety of snow conditions. The proposed solution expands and enhances our coverage and helps us to more effectively reduce liability exposures.*

- Why this model?

*Ventrac is a leader in the snow removal equipment business. Their equipment is versatile and solutions based. The proposed solution covers a wider path, fits our wider perimeter sidewalks well enough to clear the path in one pass, and there are multiple attachments if we decide in the future that we need additional support. Based on our research, the Ventrac unit promotes safety, saves time and expense, all while reducing demands on staff resources.*

*There are only a couple of units like the Ventrac, there may be other options, but the alternatives would require more staff and time to complete the task at hand. The goal is to be efficient with a piece of equipment that will leave the safest finish for those that use our facility.*

- How do we know this is the best deal?

*The pricing we received from Burriss Equipment was provided through Sourcewell, a government service cooperative providing purchasing solutions that are competitively solicited nationally. Sourcewell's analysts streamline the procurement process by developing RFPs and IFBs for national, competitive solicitations that meet or exceed local government requirements. Sourcewell's rigorous process is continually refined to best meet the needs of participating agencies and allows them to offer exceptional products from nationally acclaimed suppliers.*  
<https://www.sourcewell-mn.gov/>

- Where will we store it?

*The proposed snow tractor will be secure in the locked storage room attached to the northeast corner of the building that houses our current snow blowers. The size of the Ventrac is a key consideration for its purchase; other manufacturers' equipment is larger and would require an additional storage shed.*

- Who will operate it, and do they need special training?

*Our facilities team will operate the machine. The proposed unit is similar in operation to our 20 year old unit. The company providing the equipment, Burriss Equipment, provides training with their operators and will include discussion of appropriate maintenance on the unit as part of the sale to us at no additional charge.*

- Tell me more about its maintenance and warranty.

*The Ventrac SSV comes with a two year bumper to bumper warranty and a three year warranty on the engine. A maintenance discussion will be given with the training on the unit and a parts manual comes with the delivery too.*

- How long do we expect this unit to last?

*Snow and salt can create havoc with any machine. With proper maintenance and care, machinery such as the Ventrac SSV have been known to last 10 to 15 years.*





**Prepared For:**

Marcos Levy  
Wilmette Public Library  
1242 Wilmette Ave  
Wilmette, IL 60091

**Sold & Serviced by:**

Burris Equipment Co - Waukegan  
Steve Schiller  
2216 North Greenbay Rd  
Waukegan, IL 60087  
Phone: 815/573-1505



# SSV

2120M TRACTOR



**VENTRAC**

# SSV TRACTOR

<b>Model</b>	<b>SSV</b> Vanguard Gasoline
Stock Codes	39.61102
Accessory Options:	PTO, Weight Transfer & Rear Work Lights

## Engines

Engine Manufacturer	Vanguard
Engine	386777
Max Operating Speed	3600rpm
Horsepower	23
Peak Torque	32 ft-lbs (43.4 Nm) @ 3,000 RPM
Displacement	627cc
Cylinders	2
Engine Oil	Ventrac Full Synthetic 10W30
Fuel Type	Gasoline
Fuel Capacity	3.3 gal (12.5L)
Fuel Economy	1.0 gal/hr
Slope Rating	10° (18% Grade)
Alternator	20–50 Amps

## Dimensions

Weight	970 lb (440 kg)
Weight with accessories kits	1020 lb (463 kg)
Wheelbase	28 inch (71 cm)
Length	67 inch (171 cm)
Width	34 inch (86 cm)
Height	55 inch (140 cm)
Turning Radius	0 inch (0 cm)

## Electrical

Battery	500 CCA (Group 51R)
Voltage	12 Volts
Battery Disconnect	150A Circuit Breaker
Fuses	Mini Fuse

## Hitch and PTO (optional)

Front Hitch	Ventrac Mount System
Electrical PTO clutch with Brake	Warner GT-2000

## Lighting

Head Lights	(2) 1200 Lumens LED Lights
Rear Work Lights	(2) 1200 Lumens LED Lights

## Drivetrain

Type	Hydrostatic
Pump	Hydro-Gear tandem, variable displacement piston type
Wheel Motors	Parker TJ Geroller
Hydraulic Oil Filter (Suction)	25 Micron, replaceable
Hydraulic Oil Filter (Pressurized)	10 Micron, replaceable

## Instrumentation

Gauges	Hour Meter, Fuel Level
Indicator Lights	PTO, Parking Brake, Low Voltage, Low Oil Pressure

## Controls

Forward/Reverse	Hydraulic Lever Control
Attachment Lift	Joystick
Auxiliary Hydraulics	Joystick
Throttle	Dash Mounted
Front Hitch Lock	Hitch Mounted
PTO Belt Tensioner	Machine Spring
Weight Transfer	3 Position
Steering	Hydraulic Lever Steer

## Tires

Standard (All Terrain)	18x8.5-10 (46 x 22 x 25.4 cm)
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## Travel Speed (F/R)

High Range	8 mph (12.8 kph) forward 5 mph (8 kph) reverse
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All specifications subject to change without notice or obligation







The Ventrac SSV makes it easy and efficient to manage snow and ice on sidewalks. The SSV is a dedicated Sidewalk Snow Vehicle with an industry-first 36" working width in order to allow access to the tightest areas of any property. The SSV allows for more reduction of hand labor and walk-behind equipment than ever before. It's also designed with a full arsenal of commercial quality snow removal attachments and de-icing options that are engineered to provide a system that can handle any winter storm. The wait for a proper sidewalk snow machine is finally over.

### Standard Features:

- Heated Grips
- Adjustable Operator Pad
- Sealed Electrical System
- Easy Engine Access
- Commercial Grade Engine
- Battery Disconnect Switch
- Tight Turning Radius
- Front Hydraulic Couplers - Drip free
- Heavy Duty Welded Steel Frame
- Full Front & Rear Skid Plates

### Optional Accessories Include:

- Adjustable Weight Transfer System
- Power Take Off
- Rear Lighting

Visit [www.ventrac.com/accessories](http://www.ventrac.com/accessories) for full list.





**VENTRAC**



# NX340

SNOW BLOWER



**VENTRAC**

- Perfect For Sidewalks
- Cuts Through Deep Snow Easily
- Hydraulic Chute Rotation
- Sized For Narrow Walks
- Two Stage Blower
- Commercial Grade Construction



# SNOW BLOWER

Model NX340

## Dimensions

Length	47 inches
Overall Height	51-1/2 inches
Overall Width	34-1/4 inches
Weight	350 lbs

## General

Blowing Distance	30 ft (depending on conditions)
Chute Rotation	228°
Auger Diameter	12-3/16 inches
Main Auger RPM	180 RPM (based on 3,600 RPM)
Directional Control	Hydraulic
Fan Diameter	18 inches
Fan RPM	750 RPM (based on 3,600 RPM)



The 34" wide Ventrac KX340 Snow Blower is built for commercial snow clearing operations of sidewalks, driveways, and other areas. A two stage snow blower, the KX340 features a 12-3/16" diameter solid auger for best snow transfer, a large 18" diameter fan, and the ability to move SSV pounds of snow per minute at distances up to 30 feet. Standard features include adjustable cast iron skid shoe discs at the rear, high carbon hardened steel shoes at the side, and a reversible high carbon hardened steel cutting edge.

The hydraulically activated discharge chute can rotate 228 degrees, all from the convenience of Ventrac's exclusive S.D.L.A. control system. Chute deflection is manually adjustable. An electric chute deflection controller is optional.

## ACCESSORIES

- 12V Switch & Plug

TRACTOR COMPATIBILITY KEY:





# Pricing Quote

Quote #: 71540-1003  
Contract #: 031121-TTC

Date Quoted: October 10, 2022  
Quote Expires: November 10, 2022

### Prepared For:

Marcos Levy  
Wilmette Public Library  
1242 Wilmette Ave  
Wilmette, IL 60091

### Prepared By:

Burris Equipment Co - Waukegan  
Steve Schiller  
2216 North Greenbay Rd  
Waukegan, IL 60087  
Phone: 815/573-1505

Thank you for the opportunity to quote the following Ventrac product(s) for your review. I have added the items that we feel would best serve your needs. Please feel free to contact me with any questions.

QTY	Model #	Description	MSRP	Sourcewell	Total
1	2120M (39.61102)	Ventrac Tractor: NT, 2120M SSV 23HP	14,850.00	14,107.50	14,107.50
1	70.6020-99	Accessory: 2120 SSV ACCESSORIES KIT Kit, Accessory Opt. 2120M Factory	1,550.00	1,472.50	1,472.50
1	NX340 (39.65115)	Attachment: SNOW BLOWER NX, NX340 Snowblower	5,125.00	4,868.75	4,868.75
1	70.8192	Accessory: Kit, 12V Actuator KJ/NX/NJ	370.00	351.50	351.50
1	70.6006	Accessory: 12V SWITCH & PLUG Kit, 12V Front NT	300.00	285.00	285.00
1	NW310 (70.6024)	Accessory: Windscreen, NW310 for 2120	1,750.00	1,662.50	1,662.50

Subtotal 22,747.75

### CHARGES

Freight +455.00

Setup Charges +556.00

**TOTAL USD \$ 23,758.75**

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DATE