

SALIENT CHARACTERISTICS
VA Solicitation Number TBD
Requirement Title: Street Sweeper and Attachments

Need – Street Sweeper/Snow Blower

Market – To be determined

Brand Name Product – Tennant 636 Green Machine Air Sweeper

To be considered for evaluation, offered items must meet the following salient characteristics:

1. Product 1: Street Sweeper

- a. Functions to be performed;**
To maintain all parking lots, sidewalks and roads
- b. Performance required;**
Able to sweep, clean with water, Vacuum Debris and add attachments for snow removal. Is small enough to operate on all sidewalks without having to swap out equipment.
- c. Essential Physical Characteristics:**
 - d. Type : Air Sweeper
 - e. Cleaning path:
 - i. Minimum (brushes in) 46 inches
 - ii. Maximum (brushes fully extended) 80 inches
 - f. Sweeping Brush diameter: 29-30 inches
 - g. Hopper Volume capacity: Minimum 1.33 cubic yds.
 - h. Weight capacity: Payload (min 1,500) lbs.
 - i. Dump height: Minimum 57 inches
 - j. Hopper material: Stainless steel
 - k. Vacuum Suction Head Width: Minimum 17 inches
 - l. Vacuum Hose Diameter: Minimum 8 inches
 - m. Manual Wander Hose: Length Minimum 7 foot, Diameter 4-inch
 - n. Engine- Diesel (min 40 hp)
 - o. Suspension: Front & Rear Fully Independent, Coil Spring over Shock Suspension
 - p. Travel speed 0-25 mph
 - q. Sweeping speed 0-8 mph
 - r. Ground clearance 5.25-inch
 - s. Dust Filtration System Three-Stage Filtration:
 - i. Stage 1 - Side Entry Cyclone Swirl Plate
 - ii. Stage 2 - Stainless Steel Filter Screen
 - iii. Stage 3 - Twin Cyclones
 - t. Dust Suppression System:
 - i. Spray Nozzles Each Brush & at Vacuum Inlet
 - ii. Side brush water spray dust control 50 gallon
 - u. Operator Ergonomics:
 - i. Power steering with height adjustment
 - ii. Heater and heated windshield
 - iii. One button sweeping system activation
 - iv. Keyed locks
 - v. Pivoting glass windows and roof vent
 - vi. Suction head floor window
 - vii. Easy reach controls
 - viii. Joystick Controlled Brushes
 - ix. System monitoring/warning lights
 - x. Glass doors

- xi. Premium suspension seat with seat belts
- xii. Radio CD Player
- xiii. Low pressure foot pedal
- xiv. Simple daily maintenance
- xv. Interior cab light
- xvi. Full view windshield w/sun visor
- xvii. Air conditioning
- xviii. Color CCTV reverse camera and cab mounted LCD monitor, with night vision
- xix. Central Greasing
- v. Safety System:
 - i. Head and Tail Lights Overhead Work Lights
 - ii. Rear View Mirrors (LH/RH) Windshield Wiper
 - iii. Extendable Front Track Warning light
 - iv. Hydrostatic and Mechanical Brakes Seat Belt
 - v. Hopper Water Ejector System Turn Signals
 - vi. Front Wheel Steering Floating Suction Head
 - vii. Drive Safely Transmission Interlock 4 Wheel
 - viii. Drive Slow Moving Vehicle Sign Horn

2. Product 2: Snow Plow

a. Functions to be performed:

To attach to Street Sweeper for removing snow on sidewalks , roads and parking lots.

b. Performance required:

To maintain the snow removal from all roads, sidewalks and parking lots.

c. Essential Physical Characteristics:

- i. Snow Plough:
 - 1. 20mm x 100mm rubber blade for quiet operation
 - 2. Hydraulic side adjustment left / right
 - 3. Warning flags and reflective markers
- ii. Snow Brush:
 - 1. Hydraulic drive via chain
 - 2. Hydraulic side adjustment left / right
 - 3. In-cab brush speed adjustment
 - 4. 5 – row polypropylene brush
- iii. Rear Mounted Gritter:
 - 1. Hydraulic drive from vehicle hydraulics
 - 2. Spreader can be filled from vehicle hopper
 - 3. Lighting with 13-pole plug
 - 4. Two component paint
 - 5. Warning markings
 - 6. Spreading width: 41“
 - 7. Capacity: 55 Gallons