INVITATION FOR BID
Bid # 2013-RD104

Self-Propelled Road Broom

TECHNICAL SPECIFICATIONS
Bid # 2013-RD104

Self-Propelled Road Broom

List Model Bid: ______________________________

MINIMUM SPECIFICATIONS

1. TYPE
   a. Self-Propelled Road Broom Current Model Year.
   b. Broom shall be located in front of front wheels.

2. ENGINE
   a. Rear Mounted.
   b. Minimum 80HP diesel – Tier III Compliant.
   c. Air Cleaner – duel element dry-type with pre-cleaner at cab height
   d. 12 volt electrical system
   e. 120 ampere alternator and 800 CCA battery

3. INSTRUMENTS
   a. All gauges to be assembled on a common dash with easy visibility from operator’s seat
   b. Gauges to include but not limited to – hour meter, tachometer, oil, water temp., and fuel gauge.
   c. Traffic horn with button and minimum 95 decibel reverse alarm

4. LIGHTING
   Shall include two headlights, two rear work lights, stop, tail and turn signals with controller and flasher (including 4-way flasher) and rotating amber beacon (no strobe light will be accepted)

5. CAB
   a. Tinted Safety glass.
   b. Door lock
   c. Windshield wiper w/ washer
   d. Front and rear padded insulation
   e. Floor Mat
   f. Rollover protection structure
   g. Heater, defroster and pressurized air conditioner
   h. AM/FM Radio
   i. Tilt and telescoping steering column
   j. Hand control for forward and reverse
   k. West coast mirrors
   l. Deluxe suspension seat w/ gas shock absorbing
6. TRANSMISSION
   a. Fully Hydrostatic, with speeds infinitely variable to 22 MPH
   b. A 10 micron suction filter will provide oil to hydrostatic pump.
   c. Foot control shall be used for forward and reverse, as well as dynamic braking.
   d. Hydrostatic control to be spring loaded to return to positive neutral position when foot removed. To prevent inadvertent movement when stationary with engine running.

7. FRAME
   a. Shall be solid welded heavy structural steel, front and rear bumpers.
   b. Rollover protection structure tested to SAE J1040 standards
   c. Canopy with rear view mirrors

8. STEERING
   a. Shall be open center orbital type power steering unit with power beyond and dead steering capabilities.

9. BRAKES
   a. Shall be self-adjusting hydraulic drum on rear and disc on front axle, with dual master cylinder.
   b. A mechanical type parking brake with indicator light shall be furnished

10. WEIGHT
    a. Shall be a minimum of 5,000 pounds excluding optional equipment.

11. DIMENSIONS
    a. Height – 103 inches with canopy
    b. Length 172 inches
    c. Transport width 98 inches
    d. Turning radius 13.5 ft (inside)

12. BRUSH CORE
    a. Shall be steel constructed for use with 35 inch diameter wafer type brush segment
    b. Shall be 10 inches in diameter in length, filled with polypropylene Wafers
    c. Brush to be powered by hydraulic motor independent of travel speed, with direct drive motor located in side of brush core.
    d. Rubber shield shall be provided to deflect flying debris.
    e. Brush assembly shall have a wrap-around type metal shield the length of brush core and covering 140 degrees, with front deflection shield (rubber),

13. SWEEPING ANGLE
    a) Unit shall be capable of sweeping angles from 30 degrees left to 30 degrees right
    b) The circle swing frame mounted on a minimum of 8 heavy-duty tapered bearing with debris guard
14. BROOM CONTROLS
   a. Joystick control shall be conveniently located on operator’s station and include the following controls for the brush at a minimum – stop, raise, lower, float or lock in any desired position

15. WATER TANK
   a) Shall be rust proof with minimum of 75 gallons and a high efficiency electric pump and galvanized spray bar with 8 spray nozzles

16. HYDRAULIC
   a. Hydraulic tank shall be 25 gallons capacity with single level and temperature gauge
   b. Shut-Off valves shall be located on hydraulic tank to close while changing filters
   c. A 100 mesh screen will provide for oil exiting the tank and a 10-micron filter for oil returning to the tank

17. FRONT-AXEL
   a. Shall be oscillating type, with hydraulic disc brakes
   b. Shall be mounted to heavy-duty bolter, which oscillates on a center-mounted pin, connected to front bumper

18. REAR-AXEL
   a. Shall be ¾ ton truck type
   b. With hydraulic drum brakes powered by a fixed displacement hydrostatic motor through a two speed gear box (low gear to provide sweeping power and high gear for road use)
   c. Leaf springs with minimum 3,500 pound load capacity

19. PAINT
   a. Prime painted, with rust inhibitor primer and top coated with industry quality urethane paint

20. MANUALS
   a. Complete set of manuals, parts book, service manual and operators manual at a minimum

21. WARRANTY
   a. Warranty shall be minimum of 1 year – 1,000 hours from time of delivery against operational failure caused by defective material or facility workmanship occurring during normal use

22. MISCELLANEOUS
   a. Have spare tire and wheel and complete set of all filters
BID FORM (1)
Self-Propelled Road Broom
Bid # 2013-RD104

VENDOR:

**PRICE** - One (1) New Current Model Year Self-Propelled Road Broom

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**NET PRICE Delivered**

| $ |

DELIVERY TIME***
Vendor delivery time from date of order including set-up
___________ (Approx. # of Days).

***This will be an important factor in bid analysis.

Name of Bidder:
_______________________________________________________________

Company: _____________________________________________________

Date: __________________________