



STATE OF LOUISIANA
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
TECHNICAL SPECIFICATIONS FOR

BROOM, SELF-PROPELLED, MID MOUNT

SERIES NO. 256-600

REV. 7/29/2025

EQUIPMENT SPECIFICATION 256-600C

GENERAL

This specification sets forth the minimum requirements for a motor driven broom sweeper.

Equipment shall be new, a production model of current manufacture, and must meet all state and Federal safety and emission standards in effect at time of order.

REPRESENTATIVE SPECIFICATIONS

A Superior Broom DT74 with appropriate options and standard features was used to develop these specifications and establish equivalency evaluation criteria.

Equipment of similar style, type, character, quality, features, and purpose conforming to the following detailed requirements/specifications will be considered. For evaluation purposes, bidder's proposing an exception/equivalent option/feature to those specified herein, may be required to provide manufacturer/product information (catalogue sheets, detailed specifications, pictures, etc.). This information will be evaluated against the minimum requirements of this specification. Proposed submittals that are determined to not be equivalent to the established criteria will be rejected.

LOUISIANA AUTHORIZED DEALER(S)

Proposed item(s) must be from a manufacturer who has at least one (1) authorized dealer within the State of Louisiana where parts and service can be obtained. Authorized dealer(s) must have properly trained technicians plus all other resources necessary to perform warranty and repair services in complete accordance with the manufacturer's requirements. A letter certifying the ability to meet this requirement, inclusive of the company name(s) and address(es) of the Louisiana authorized dealer(s), should be supplied with the bid submittal and may be required prior to award.

DELIVERY & ACCEPTANCE

Vendor shall perform a test run of each unit to verify that all features and capabilities are operating properly at time of delivery. Documentation of testing may be required prior to acceptance by the Department.

Unit(s) must be delivered completely assembled (including all components, accessories, etc.) and ready for operation without any additional preparation including, but not limited to, ensuring all fluid levels are at their full mark, fuel tank(s) is full, all necessary lubrication has been performed, etc.

Any unit delivered under this specification is subject to rejection if there is evidence of poor workmanship, by either the vendor or the original manufacturer. Noted defects and/or nonconformance findings may be corrected by the vendor. Corrections must be completed and approved by the Equipment Engineer or his representative prior to final acceptance.

Unit(s) shall be delivered “**on the ground;**” DOTD will not unload nor provide any unloading equipment to the vendor/delivery driver in order to offload the unit(s).

NOTE: The Department will have space available for equipment to be unloaded.

EACH UNIT MUST BE SUPPLIED WITH THE FOLLOWING DOCUMENTATION:

1. Dealer's Service Policy
2. Owner's/Operator's Manual(s)
 - a. One (1) Hardcopy
 - b. One (1) Digital Copy
 - i. Acceptable Formats: PDF delivered via USB “Flash Drive”, or E-mail
3. Service Manual(s)
 - a. One (1) Hardcopy
 - b. One (1) Digital Copy
 - i. Acceptable Formats: PDF delivered via USB “Flash Drive”, or E-mail
4. Build Sheet(s) – as applicable
 - a. One (1) Hardcopy
 - b. Build sheets should be writing in plain language (not company specific codes) and include, at a minimum, all standard & optional features of the delivered unit.

NOTE: Invoices will not be processed for payment until the unit(s) have been inspected by the Equipment Engineer or their representative and deemed in compliance with the specifications.

BID SUBMITTALS

Any additions, deletions, or variations from the specifications should be noted in the "Bidder's Exceptions" page of this specification. Exceptions that are noted to be less than a minimum requirement will not be accepted.

Any additions, deletions or variations from the manufacturer's standard published specifications should be noted on the "Bidder's Exceptions" page of this specification. Unless otherwise noted, any items appearing in the manufacturer's standard published specifications furnished by the Bidder are assumed to be included in the Bidder's submittal.

Bidder should note on their submittal any installation(s) to the equipment that will be performed by the vendor instead of the manufacturer.

Failure to note any specification exceptions, manufacturer specification alterations, and/or vendor installations prior to award may result in rejection of the equipment at the time of delivery.

EQUIPMENT SPECIFICATIONS

NOTICE TO BIDDERS

Bidder should review the detailed "Equipment Specification" completely and respond to the compliance question at the end of each section by marking "X", in the space provided, for "Yes" or "No". Mark "Yes" to indicate that the equipment bid meets the section exactly as specified. Mark "No" if there are exceptions to any part of that section. Exceptions/deviations to any part of the specification are to be detailed on the "Bidder's Exceptions" page of this specification.

IN ORDER TO BE CONSIDERED FOR AWARD, BIDDER SHOULD RETURN THIS SPECIFICATION, COMPLETED IN FULL, WITH THEIR BID SUBMITTAL.

Note: All Values listed below are minimums unless noted otherwise.

1. General Description

These specifications describe a self-propelled diesel powered sweeper. The sweeping core shall be powered by a hydraulic motor and capable of being raised, lowered, and angled left/right to desired sweeping position.

1.1. Engine

- 1.1.1. 4-Cylinder diesel engine, water cooled
- 1.1.2. 74 HP @ 2,500 RPM.
- 1.1.3. Fully enclosed engine compartment and lockable
- 1.1.4. 12 volt electrical system, 950 CCA battery
- 1.1.5. Ignition key start
- 1.1.6. Dual element air cleaner with restriction indicator
- 1.1.7. Pre-cleaner with extension stack, if required to raise pre-cleaner to top of cab height
- 1.1.8. Fuel tank: 25 gallons

Comply: ____ Yes ____ No

1.2. Transmission

- 1.2.1. Infinitely variable hydrostatic pump and motor coupled to a two-speed gearbox
- 1.2.2. Foot controlled, forward and reverse
- 1.2.3. Hydrostatic control to be spring loaded to return to neutral position when foot removed
- 1.2.4. Neutral shift position for towing

Comply: ____ Yes ____ No

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1.3. Axles

- 1.3.1. Oscillating heavy-duty front axle
- 1.3.2. Heavy-duty truck-type rear axle, 3,500-lb. minimum load capacity

Comply: ____ Yes ____ No

1.4. Tires/Wheels

- 1.4.1. Four (4) 225/75R15
- 1.4.2. Matching spare tire with mount
- 1.4.3. 6 Bolt 6" x 15" steel wheels
- 1.4.4. Tires must be interchangeable front and rear

Comply: ____ Yes ____ No

1.5. Brakes: Drum brakes rear, disc front, mechanical parking brake

Comply: ____ Yes ____ No

1.6. Brooms and Controls

- 1.6.1. Brush drive: direct drive motor enclosed in core
- 1.6.2. Brush core to be 8' all steel welded with a sweeping width 96"
- 1.6.3. 14 gauge steel with brush shield rock deflector
- 1.6.4. Sweeping angle 45 degrees left or right
- 1.6.5. Joystick controls to include variable down pressure, on/off switch, swing left and right, lift, float position and able to lock in any position.
- 1.6.6. Variable brush speed control
- 1.6.7. Quick change brush system
- 1.6.8. Curb sweeper attachment with controls to be included

Comply: ____ Yes ____ No

1.7. Water System

- 1.7.1. 145-gallon rust proof water system with polyethylene tank
- 1.7.2. Electric water pump with strainer filter and spray nozzles
- 1.7.3. Backflow valve to be supplied to prevent tank drainage when not in use

Comply: ____ Yes ____ No

1.8. Operator's Station Features

- 1.8.1. Fully enclosed
- 1.8.2. Sound suppressed
- 1.8.3. Two door cab
- 1.8.4. Tinted safety glass
- 1.8.5. Air Conditioner
- 1.8.6. Heater and defroster

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- 1.8.7. Front and rear windshield wiper/washer
- 1.8.8. Suspension seat with arm rest(s) and seat belt
- 1.8.9. Amber LED warning light
- 1.8.10. Orbital type power steering
- 1.8.11. Tilt and telescoping steering column
- 1.8.12. Left and right side rear view mirrors
- 1.8.13. Front fenders
- 1.8.14. Tachometer
- 1.8.15. Hour meter
- 1.8.16. AM/FM stereo

Comply: ____ Yes ____ No

1.9. Additional Options

- 1.9.1. 7' 6" front scraper blade with hydraulic lift and float; 6" replaceable cutting edge
- 1.9.2. Any openings on floor of cab must be sealed to inhibit dust from entering cab.
- 1.9.3. Equipped with headlights, taillights, running lights, and conform to all existing federal and Louisiana state laws

Comply: ____ Yes ____ No

BIDDER'S EXCEPTIONS

Instructions: Bidder should note all exceptions in space provided below. List the detail number from the aforementioned specification in the column to the left and the exception in the column to the right. Responses may be typed or hand-written. Handwritten responses must be legible. If additional space is needed, please print a duplicate copy of this sheet. "Bidder's Exceptions" page(s) should be returned with the bid submittal.

Examples:

1.6	Engine has 325 horsepower
1.18.3	Batteries have 2000 CCA combined.
2.2.8	Crossmembers are 4" channel on 12" centers.

**Spec./Detail
Reference**

Exception
