RFx No.: 3000026867

STATE OF LOUISIANA
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
TECHNICAL SPECIFICATIONS FOR

CONCRETE MIXER/PUMP, MUDJACK, TRAILER MOUNTED

SERIES NO. 235-000 **REV. 8/11/2026**
EQUIPMENT SPECIFICATION 235-000B

GENERAL

This specification sets forth the minimum requirements for a trailer mounted, high-pressure mixer/pump to be used for mud jacking.

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 Blastcrete RMX-5000, 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, bidders 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 not to be equivalent to the established criteria will be rejected.

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 AT TIME OF DELIVERY:

1. Notarized Bill of Sale
2. Original Certificate of Origin (MSO), (no photocopy)

3. Dealer's Service Policy
4. Owner's/Operator's Manual(s)
    a. One Hardcopy
    b. One Digital Copy
        i. Acceptable Formats: PDF delivered via USB “Flash Drive”, or E-mail
5. Service Manual(s)
    a. One Hardcopy
    b. One Digital Copy
        i. Acceptable Formats: PDF delivered via USB “Flash Drive”, or E-mail
6. Build Sheet(s) – as applicable
    a. One Hardcopy
    b. Build sheets should be written 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.

THE NUMBER OF DELIVERY DAYS AFTER RECEIPT OF ORDER (ARO) MAY BE USED AS A FACTOR IN THE AWARD.

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

Trailer mounted high-pressure concrete mixer/pump capable of mixing, pumping and spraying.

1.1. Concrete pump shall perform the following operations:
- **1.1.1.** Road slab jacking and lifting
- **1.1.2.** Bridge concrete approach slab lifting/leveling
- **1.1.3.** Concrete leveling and grouting
- **1.1.4.** Shotcrete spray applications
- **1.1.5.** Dispense materials including concrete, plaster, gunite, Portland Cement-Soil(fine sand, silt, river sand) grout, Portland Cement-Flume Sand

Comply: ____Yes ____No

1.2. Engine
- **1.2.1.** 66 HP diesel engine
- **1.2.2.** Water-cooled
- **1.2.3.** 12 volt electric start

Comply: ____Yes ____No

1.3. Hopper
- **1.3.1.** 1,200 lb. receiving hopper capacity
- **1.3.2.** Equipped with large hopper agitator
- **1.3.3.** Hydraulic lifting capability

Comply: ____Yes ____No

1.4. Pump
- **1.4.1.** 1,500 PSI pumping pressure
- **1.4.2.** 3 inch x 18 inch hydraulic swing tube

EQUIPMENT SPECIFICATIONS

Comply: ____Yes ____No

1.5. Mixer
- **1.5.1.** 1,000 lb. capacity
- **1.5.2.** Hydraulic spiral mixer with forward/neutral/reverse
- **1.5.3.** Hydraulic dump
- **1.5.4.** Limit switch on mixer grating
- **1.5.5.** Small bag ripper
- **1.5.6.** Fill rite water meter

Comply: ____Yes ____No

1.6. Hydraulic System
- **1.6.1.** Filtration: Return line oil filters with replaceable elements
- **1.6.2.** Relief Valve: Non-adjustable relief valve in the hydraulic system

Comply: ____Yes ____No

1.7. Operating control
- **1.7.1.** Unit control panel to be fitted with a pump on/off switch
- **1.7.2.** Emergency stop switch
- **1.7.3.** Solid state electrical controls
- **1.7.4.** Wireless remote

Comply: ____Yes ____No

1.8. Trailer Unit
- **1.8.1.** Single axle (7,000 lb. capacity)
- **1.8.2.** Electric brakes
- **1.8.3.** High speed towing
- **1.8.4.** Spare tire and wheel with mounting bracket

Comply: ____Yes ____No

1.9. Accessories
- **1.9.1.** Complete electrical system: Amp meter, electric hour meter
- **1.9.2.** Pressure gauge assembly providing operator with a constant reading of hydraulic system pumping pressures
- **1.9.3.** Automatic lubrication system

Comply: ____Yes ____No

1.10. Paint: Manufacturer's standard paint & color

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**