

City of Portsmouth
Portsmouth, New Hampshire
Department of Public Works

Bid#39-19
Mac Granite 64BR/McNeilus Rear Loader
Or
Equivalent

INVITATION TO BID

The City of Portsmouth is soliciting bids for a new, latest model year Mack Granite 64BR. MP-8 with 455 hp@1,400 – 1,700 RPM, 1,760lb/ft. max torque @ 1,050 – 1,300 RPM, torque rise 60% minimum, attached to a McNeilus, 2513: XC 25yd Rear Loader for the Highway Department of the City of Portsmouth, N.H.

The City will trade in a 2003 Crane Carrier Leach 31 yard LET2-52 Packer Body.

Sealed bid proposals, plainly marked “**Bid#39-19 Mac Granite 64BR/McNeilus Rear Loader or Equivalent**” on the outside of the, addressed to the Finance/Purchasing Department, City Hall, 1 Junkins Avenue, Portsmouth, New Hampshire, 03801, will be accepted until **1:30 P.M., March 13, 2019** at which time all bids will be publicly opened and read aloud.

This bid is available at <http://www.cityofportsmouth.com/finance/purchasing.htm> or by contacting the Finance/Purchasing Department at the following number: (603) 610-7227.

Questions may be directed to the Finance/Purchasing Department. Addenda to this proposal, if any, including written answers to questions will be posted on the City of Portsmouth website under the project heading. Any addenda will be not sent directly to vendors.

The City of Portsmouth reserves the right to reject any or all bids, to waive technical or legal deficiencies, and to accept any bid that it may deem to be in the best interest of the City.

INSTRUCTION TO BIDDERS

I. Preparation of Bid Proposal

- A. The Bidder shall submit its proposal upon the form furnished by the City (attached). Prices shall be given in both words and figures.
- B. Corrections made to amounts or information requested on the bid form should be made by crossing out the error and entering the new price or information above or below it. The correction must be initialed. In case of discrepancy between the prices written in words and those written in figures, the prices written in words shall govern.
- C. The bidder's proposal must be signed by the individual, by one or more members of the partnership, by one or more members or officers of each firm representing a joint venture; by one or more officers of a corporation, or by an agent of the contractor legally qualified and acceptable to the owner. If the proposal is made by an individual, his/her name and post office address must be shown, by a partnership the name and post office address if each partnership member must be shown; as a joint venture, the name and post office address of each must be shown; by a corporation, the name of the corporation and its business address must be shown, together with the name of the state in which it is incorporated, and the names, titles, and business addresses of the President, Secretary, and Treasurer.
- D. All words, figures, corrections shall be in ink or typed. All signatures shall be in ink.
- E. Addenda to this proposal, if any, including written answers to questions, will be posted on the City of Portsmouth website at <http://www.cityofportsmouth.com/finance/purchasing.htm> under the project heading. Addenda and updates will NOT be sent directly to firms. Bidders submitting a proposal should check the web site for addenda and updates after the release date. Bidders should print out, sign and return addenda with the proposal. Failure to do so may result in disqualification.
- F. Disadvantaged Business Enterprises (DBEs) as defined in 49 CFR Part 26 are encouraged to submit a proposal. If applicable, documentation of DBE status shall be included with the submittal.

II. Delivery of Bid Proposals

When sent by mail, the sealed proposal shall be addressed to the owner at the address and in the care of the official in whose office the bids are to be received. All proposals shall be filed prior to the time and at the place specified in the invitation for bids. Proposals received after the time for opening of the bids will be returned to the bidder, unopened. Faxed bid proposals are not acceptable.

III. Withdrawal of Bid Proposals

A bidder will be permitted to withdraw his/her proposal unopened after it has been deposited if such request is received in writing prior to the time specified for opening the proposals.

IV. Public Opening of Bid Proposals

Proposals will be opened and read publicly at the time and place indicated in the invitation for bids. Bidders, their authorized agents, and other interested parties are invited to be present.

V. Irregular Proposals and Disqualification of Bidders

Bid proposals that are irregular may be rejected. Irregular bid proposals include the following:

- A. Failure to use the bid form provided or alteration of the form.
- B. Unauthorized additions, conditional or alternated bids, incomplete bids, or irregularities of any kind which may tend to make the proposal incomplete, indefinite or ambiguous as to its meaning.
- C. The addition of any provision reserving the right to accept or reject an award, or to enter into a contract pursuant to an award.

Bidders may be disqualified and the bid proposal rejected for the following reasons:

- A. More than one proposal for the same work from an individual, firm, or corporation under the same or different name;
- B. Evidence of collusion among bidders;
- C. Failure to submit all required information requested in bid specifications;
- D. Bidder is not qualified or able to provide the services or product(s) described in the bid specifications; or
- E. Disqualification is in the best interest of the City of Portsmouth.

AWARD

I. Consideration of Proposals and Award

After the proposals are opened and read, bid results will be available to the public. In case of discrepancy between the prices written in words and those written figures, the prices written in words shall govern.

Within 30 calendar days after the opening of proposals, if an award is made, it will be made to the lowest, responsible, qualified bidder whose proposal complies with all the requirements prescribed. The successful bidder will be notified by mail at the address indicated on the proposal.

The award shall not be considered official until such time that a purchase order, fully executed contract or an award letter has been issued by the Finance Director.

No presumption of award shall be made by the bidder until such documents are in hand. Verbal notification of award is not considered official. Any action by the bidder to assume otherwise is done so at his/her own risk and the City will not be held liable for any expense incurred by a bidder that has not received an official award.

III. Reservation of Rights

The City reserves the right to cancel the award at any time before final notification of the successful bidder without any liability against the City. The City of Portsmouth reserves the right to reject any or all bids, to waive technical or legal deficiencies, and to accept any bid that it may deem to be in the best interest of the City.

Bid Specifications

The intent of this Bid Specification is to procure a new or latest model year Mack Granite64BR. MP-8 with 455 hp@1,400 – 1,700 RPM, 1,760lb/ft. max torque @ 1,050 – 1,300 RPM, torque rise 60% minimum attached to a McNeilus, 2513: XC 25yd Rear Loader for the Highway Department of the City of Portsmouth, N.H.

The City will trade-in one vehicle:

2003 Crane Carrier Leach 31 yard LET2-52
Packer Body

Any equivalent Truck/Loader must be of equivalent quality and meet the bid specifications. The City in its sole discretion will determine if an equivalent meets the bid specifications.

The following are minimum acceptable specifications. Any exceptions shall be noted in the column titled "Actual Bid"

Minimum Requested:

Actual Bid:

ENGINE:

To be turbo-charged and intercooled by air to air system, in-line 6 cylinder diesel engine.

Engine must meet 2010/2016 OBD Emissions Regulations.

Design to be 4-valve head, wet sleeved, overhead Cam with electronic unit injection pumps.

Minimum 780 C.I.D. (13 liter)

Minimum 780 cubic inches. 455 hp@1,400 – 1,700 RPM, 1,760lb/ft. max torque @ 1,050 – 1,300 RPM, torque rise 60% minimum.

Extended service spin on filters

Silicone hoses and tubing on the engine (Radiator & heater)

18.7 CFM minimum rating on the air compressor

12 volt gear reduction starter- Delco or equal

Delco alternator 12 volt-130 AMP minimum	_____
Three (3) batteries - 12 volt 650/1950 C.C.A. threaded stud-type.	_____
Coolant protection to below -37 degrees Fahrenheit	_____
DPF (diesel particulate filter) to be catalyzed type, Mounted RH side under cab (frame mounted with SCR frame mounted RH side.	_____
Clear right hand back of cab.	_____
Vertical cab mounted exhaust with heat shield, Exhaust turned	_____
Bright finish stack, tower elbow & heat shield.	_____
Behr Fan and Electronic Modulating Fan Drive.	_____
Bug screen mounted behind grille.	_____
Fuel water separator drain valve integral with primary fuel filter.	_____
Coolant conditioner filter.	_____
Coolant recovery tank with fill line.	_____
Engine brake to have minimum rated retarding power of 500 HP @ 2,100 RPM.	_____
Poly V-Belt with automatic tensioner.	_____
1500 watt-120 volt engine block heater.	_____
Exhaust after treatment system. Diesel part. Filter ceramic passive regen.	_____
DPF regeneration control to be auto in motion. Manual stationary and manual inhibit.	_____
Corrosion resistant oil pan.	_____

TRANSMISSION:

Allison Model 4500-RDS-6 (4.70/0.67) rugged duty series, Generation 5.

Transmission oil cooler, external oil cooler, with internal filter and oil level sensor.

Stainless steel coolant tubes for Allison transmission.

Factory filled "transynd" synthetic lube.

Transmission oil temperature gauge.

HD main driveline

Allison vocational package with auto neutral or equal.

Dash mounted shifter.

CAB:

Conventional/galvanized, with rust preventative procedures, cab mounting, trunnion front, air suspended rear.

Cab to be Conventional/galvanized, with rust preventative.

Integral air conditioning / heating.

Electronic engine protection with light & buzzer with optional shutdown.

Monitoring high coolant temp/low oil pressure and low coolant level in radiator.

Four-way safety flashers.

Rubber over foam floor covering.

Gauge(s) to include: air pressure, volt meter, temperature, oil pressure, fuel, tachometer, hour meter, transmission oil temp, and exhaust pyrometer.

Grab handles / aluminum behind doors L/R.

Vinyl interior with door panels.

Hood and fenders to be fiberglass tiltable.	_____
(2) rectangular air horns and electric horn.	_____
Low air indicator light and buzzer.	_____
Mirrors West Coast heated stainless.	_____
Bright finish heated convex mirrors mounted below – 8" diameter minimum.	_____
Fender Mirrors 8".	_____
Driver's seat to be high back air suspension, 4 chamber air lumbar, bolster extension to driver's seat	_____
Passenger seat must seat two with storage underneath	_____
Right hand arm rest for driver's seat.	_____
Tilt & Telescopic steering column.	_____
Easy fill windshield washer reservoir installed back of cab. Sun visor(s) L/R.	_____
Cab ventilation through control panel.	_____
Two speed wiper/electric with intermittent feature	_____
AM/FM Premium Stereo w/ CD-player, MP3, Bluetooth, 7 channel weather band, hands-free interface.	_____
Daytime running lights.	_____
Identification/clearance lights set of (5).	_____
Seat belt retractors w/shoulder belt w/adjustable D-Ring for driver and riders seat.	_____
Tinted safety windshield, side and rear windows.	_____
Heated windshield.	_____
Vehicle driver dash display; to include a digital clock, odometer ambient outside temperature, voltmeter and engine "sweet spot: indicator".	_____

On board graphic LCD display to view the following:
Instantaneous and trip fuel economy, speedometer and tachometer, all standard gauge functions, fleet management information, maintenance information (alert operator if filters need to be replaced, fluid levels are low, or the fuel is contaminated).

LCD display for onboard diagnostics to view active and logged faults.

FRAME:

Frame to be 11.81" x 3.54" x .37",
29.8 cu/in RBM 3,580,000 in lbs. per rail

Wheelbase 250", cab to axle 184", minimum 114" AF.

Bumper extended swept back steel extended
MTG BBC 122.5" minimum.

Crossmembers Heavy Duty Steel t Beam B.O.C.
and intermediates.

FUEL TANK:

93 gallon step LH D-Shape.

Aluminum not steel with stainless steel straps.

6.6 gallon maximum LH DEF Tank-integral with fuel tank.

FRONT AXLE:

Set back front axle.

To be minimum rated at 20,000 lbs., with 20,000 lb.
heavy duty front suspension.

Integral Power Steering.

Front shocks double acting type.

Sealed tapered kingpins and bearings.

Unitized Hubs-Permanent sealed with grease.

REAR AXLE:

Rear axles to be 52,000 lb. **Dual reduction type.**

52,000 lb. cast ductile iron housing.

52,000 1b multi-leaf springs.

4.19 ratio or 65 MPH @ 1,460 RPM.

Synthetic Lubricant - 75W-90.

BRAKES:

Meritor brakes.

Front cam type 16.5" x 6" Q+.

Rear cam type 16.5" x 7" Q+.

Automatic stack adjusters front, rear, Haldex.

30/30 brake chambers. long stroke with welded yokes

Meritor/Wabco Air dryer w/ coalescing oil fitter.

Meritor/Wabco ABS system.

Front and rear brake dust shields.

MGM Model TR-T (Tamper resistant) spring brake chambers.

Single valve system.

TIRES:

Front 315/8002.5 Bridgestone M860A "H"

Rear 11R22.5 Bridgestone M843 16 ply "H"

Front and rear wheels 22.5x8.25 heavy duty 2 hand hole, 10 hole hub-piloted heavy duty steel disc wheels.

Wheels to be E-coated White.

72,000 lb. G.V.W.R. minimum.

ELECTRICAL:

Back up alarm to be 107 db minimum.

Electrical connections waterproof.

Battery disconnect switch.

Headlights to be flush mounted, Halogen with Lexan lens.

Rear lighting-stop, tail, directional and backup signal
flashers type transistorized electronic of equal.

Battery shock pads.

Daytime running lights.

PAINT:

Cab to be Mack White (paint code to be given with notice of award).

Urethane base coat/clear coat.

Frame to be black (urethane-not water based paint).

PTO/EQUIPMENT:

Furnish in cab triangle reflector kit.

(2) chock blocks.

Fire Extinguisher - 5 lb. minimum.

Rubber-removable floor mats.

McNEILUS

Model 2513: XC 25yd REAR LOADER

STANDARD EQUIPMENT:

Commercial Intertech Pump and Valves

D.O.T. Reflective Tape

Tailgate Safety Prop

Body Access Door

3.55 cubic yard hopper

L.E.D. Lights

OPTIONS INCLUDED IN PRICE:

"E" Stop, both sides of tailgate

Access door ladder, fold-up with shut down
and light

Add top spot mirrors, both sides

Broom holder, tailgate, and curbside

Cart tipper model: McNeilus SSPIII (2)
Mounted on Passenger Side & Drivers Side

Decal: Frequent Stops

Fire extinguisher in cab, 5 lb.

Fire extinguisher, 20 lb., streetside, scabbard mount

Five year cylinder warranty

Full height front hose cover

Full length hose cover

Hopper liner, ¼ inch AR200, full height for XC

Hopper work lights: 2 LED	_____
Monitor mount center overhead	_____
Mudflaps, front: black w/McNeilus logo	_____
Mudflaps, rear: black w/McNeilus logo	_____
Remote TG hinge & S&S lube	_____
Remote valve, curbside and streetside	_____
Rubber fender extension	_____
Safety triangle kit in cab	_____
Shovel holder, tailgate, curbside	_____
Smart lights, (8), 4" on tailgate rear/side, body front	_____
SSP DVR: 32GB SD card	_____
SSV9 (2017) 9" color 6 port, 128GB SD card, 3 cameras	_____
Tailgate steps, extended, adjustable 16" to 24"	_____
Toolbox, 18Hx24Wx18D Poly	_____
Warning light, low hydraulic oil	_____
Wheel chock holders, street side between tandems	_____
Poly fenders mounted over rear tires tandems	_____
CHASSIS:	
CT- Mack GU713 (Provided by customer)	
<u>McNeilus:</u>	
Must provide training for City of Portsmouth Technicians	_____
Complete Hydraulic Schematic Manual	_____
Complete Wiring Schematic Manual	_____
Complete Parts Manual	_____
McNeilus On-Line access for Diagnostics	_____

Mack:

BUY BACK PROGRAM:

10 year anniversary buy back price truck and body _____

15 year anniversary buy back price truck and body _____

EXTENDED WARRANTY/MISCELLANEOUS ITEMS:

7 Year / 250,000 Mile extended engine and after treatment
Warranty (No Deductible) _____

Tech Tools Diagnostic Software and Cables _____

Training for City of Portsmouth Technicians
to utilize Tech Tools at a Mack facility

Operator's Manual _____

Parts manuals

Mack on-line access for Diagnostics _____

**All Mack and McNeilus Standard Warranties
Apply** _____

Trade-in:

2003 Crane Carrier Leach LET2-52 Packer
Mileage: 141,407 _____

Photos are provided at the end of this bid document.

The City of Portsmouth will trade-in a 2003 Crane Carrier Leach LET21-52 Packer. You may set up an appointment to see the vehicle by calling Bill Faulkner, Maintenance Garage Foreman at (603) 766-6210.

Bid Price Proposal Form

Bid Price: Mac Granite 64BR Truck attached to a McNeilus Rear Loader

Model Year: _____ Equivalent Model: _____

\$ _____ \$ _____
Price in Words Price in Figures

Mac Standard Warranty:

\$ _____ \$ _____
Price in Words Price in Figures

Mack Extended Warranty:

Mack Granite 7 Year/25,000 Miles Extended Engine & after Treatment Warranty (No Deductible)

\$ _____ \$ _____
Price in Words Price in Figures

McNeilus Standard Warranty:

\$ _____ \$ _____
Price in Words Price in Figure

McNeilus Five Year Cylinder Warranty:

\$ _____ \$ _____
Price in Words Price in Figures

Trade-in: 2003 Crane Carrier Leach LET2-52 Packer

\$ _____ \$ _____
Price in Words Price in Figures

BASIS OF AWARD:

Grand Total Bid: Mac Granite 64BR Truck/McNeilus Rear Loader plus all warranties less trade-in:

\$ _____ \$ _____
Price in Words Price in Figures

DELIVERY: Delivery is expected no later than six months (180 days) from receipt of award. Bidder must deliver vehicle to the Department of Public Works, 680 Peverly Hill Road, Portsmouth, NH 03801.

APPROXIMATE NUMER OF DAYS FOR DELIVERY: _____

The undersigned agrees that he/she on behalf of Bidder has read the bid proposal documents, the instruction to bidders' specifications and agrees to the terms and conditions set forth herein.

Bidder understands that bid prices shall include delivery FOB to the address identified in the bid documents and bid price shall be firm for at least 45 days.

Bidder further agrees that this bid is not made jointly or in conjunction, cooperation or collusion with any person, firm, corporation or other legal entity.

Bidder agrees no officer, agent or employee of the Owner is directly or indirectly interested in this Bid.

Submitted by Authorized Agent:

(Print Name & Title)

Signature: _____

Date: _____

Company: _____

Address: _____

City/State/Zip: _____

E-mail address: _____

Telephone: _____

Fax: _____







