

**TOWN OF BURLINGTON, MASSACHUSETTS
DEPARTMENT OF PUBLIC WORKS
CONTRACT DOCUMENTS
FOR**

Vibratory Roller

Town of Burlington

Robert A. Mercier, Town Administrator
John G. Sanchez, Superintendent of Public Works

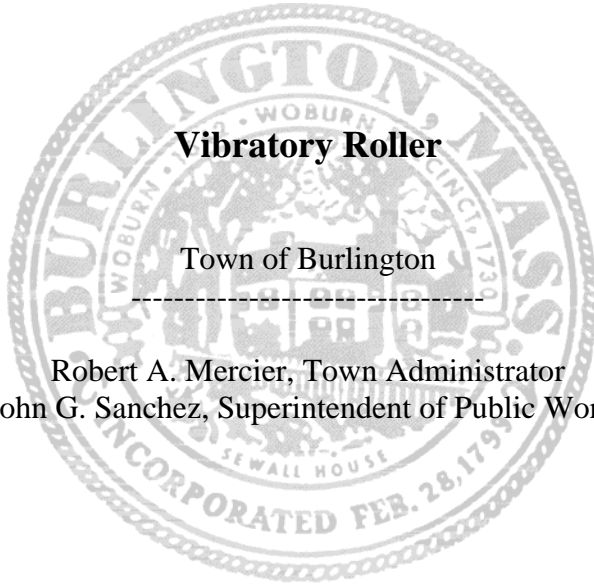


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**INVITATION TO BID
VIBRATORY ROLLER - EQU-08-02**

The Town of Burlington, MA Department of Public Works invites bids for the supplying of a Municipal Tractor. Bids may be obtained at the Department of Public Works, 25 Center Street, Burlington, MA 01803 after June 17, 2008 between the hours of 9:00 A.M. and 4:00 P.M.

The Specifications and Bid Form for this contract must be individually sealed in an envelope addressed to the **Department of Public Works, 25 Center Street, Burlington, MA** endorsed with the name and address of the bidder and clearly marked with the applicable contract name and number. All bids must be submitted to the Department of Public Works, Town Hall Annex, Burlington, MA before **10:00 a.m. on July 10, 2008.**

All bids will be opened and publicly read **beginning at 10:00 a.m. on July 10, 2008.** The Town of Burlington reserves the right to award and/or reject any and all bids or proposals for any reason determined to be in the Town's best interest.

All bids shall be accompanied by a bid deposit in the amount of not less than five percent (5%). Bid deposit shall be in the form of a bid bond, Treasures check or Cashiers Check issued by a responsible bank or trust company in the amount of that contained in the specifications. Said deposit is to be the property of the Town of Burlington, if the bidder fails to execute the contract after he has been officially notified that the contract has been awarded to him.

All successful general bidders will be required to furnish a **100% Payment bond** at the time of the contract award.

The bidder shall start work under these contracts on the date stated in the specifications after its acceptance by the Board of Selectmen. No bidder may withdraw his bid within (30) days after the date of the opening thereof.

John G. Sanchez
Director of Public Works

BID SHEET

Item	Bid Price
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Vibratory Roller Total Bid (in Figures)	\$
Total Bid (Price in Words)	

By _____ Date _____

Company _____

Address _____

Phone _____

SPECIAL CONDITIONS

1. Bidder shall provide a customer list of municipal tractor users for Town's review
2. Bidder must deliver within 60 days of award of contract.
3. Bidder must deliver to Highway Division at Meadow Road, Burlington MA.

SPECIFICATIONS FOR VIBRATORY ROLLER

BID QUALIFICATION

The compactor purchased under these specifications shall be a new, current production model designed and built for compaction of flexible pavements and road base materials. These

specifications are minimum requirements and are intended to govern the size and type of unit purchased. Any exceptions or variations from these basic specifications must be stated. Failure to completely describe the equipment bid herein may result in rejection of the entire bid. The right is reserved to evaluate variations from these specifications and to award the contract for the compactor which best fits the needs for the overall application parameters.

GENERAL

Unit shall be a self-propelled, double drum design with water spray system for use in compaction of flexible pavements. Machine must also be capable of compacting road base materials, shoulders, and similar applications.

OPERATING WEIGHT

Weight shall be evenly distributed between front and rear drum. Minimum operating weight, including lubricants, coolants (when required), fuel, Roll-Over Protective Structure (ROPS) and operator shall be a minimum of 5,700 pounds.

FRAME

Liquid cooled Diesel engine with minimum of 33.0 hp at installed governed speed.

Minimum 10 gallon fuel tank capacity.

Heavy duty dry air filter with restriction indicators.

Minimum 55 ampere alternator.

Heavy duty battery with 88 ampere-hour rating.

DRUMS

Minimum 47" rolling width and 27" diameter drums.

Minimum 0.5" drum shell thickness.

Scraper bars to be located at both front and rear of both drums, maintaining a cleaning action for both forward and reverse travel directions.

VIBRATION SYSTEM

Hydrostatic direct eccentric drive to both drums.

Instant stopping of eccentrics to avoid "windmilling" therefore reducing scuffing of asphalt material surface.

Dual frequency settings providing a minimum of 3,300 vpm and 4,200 vpm respectively. Dual centrifugal force values; a minimum of 6,000 pounds and 10,000 pounds force at the respective frequencies.

Rear drum vibration shut-off offering versatility on thin lift mixes and joint rolling.

WATER SPRAY SYSTEM

Pressurized water spray system with adjustable spray interval switch.

Minimum 58 gallon water tank ensuring.

Non-metallic tank.

Spray bars to be constructed of brass and incorporate easily removed and clean spray nozzles.

DRIVE

Fully hydrostatic drive train. No chains, gear boxes or mechanical reduction systems.

Spring-Applied, Hydraulically-Released (SAHR) brakes on both drum drive motors.

Speed range offering compaction and transport speeds to a minimum of 7.5 mph.

FRAME

Minimum ± 30 degrees of center articulation.

Minimum ± 12 degrees of center joint oscillation.

Access to engine, hydraulic pumps, air filter, cooling system, battery, filters, fuel fill and engine oil fill to be achieved by a tilt hood.

BRAKES

Dynamic braking provides through hydrostatic system.

Spring-Applied, Hydraulically-Released multiple wet disc brakes on both drum motors.

OPERATOR'S PLATFORM

Vibration isolated operator's platform with adjustable cushioned seat

Drive lever to incorporate forward/neutral/reverse travel selection and vibration stop/start

Instrument and controls to include:

- A. Hourmeter
- B. Acoustic horn
- C. Parking brake lamp
- D. Ignition Switch
- E. Water spray system pump switch and spray interval timer
- F. Indicators for low alternator charge, high engine water temperature and low engine oil pressure
- G. Lockable cover for vandal protection

PAINT

The unit shall be painted highway yellow.