

Town of East Hampton

Invitation to Bid

Sealed bids shall be received until July 26, 2007, at 10:00 a.m. at the Town Hall, addressed to the Town Manager and clearly marked, for “Vibratory Roller”

Bid specifications are available at the Town Manager’s Office, Town Hall, Town of East Hampton, 20 East High Street, East Hampton, CT 06424.

The town reserves the right to accept or reject any and all bids, and to waive proposals in order that the best interest of the town will be safeguarded.

Alan H. Bergren
Town Manager

Dated at East Hampton, CT, this 22 day of June 2007.

Town of East Hampton

Bid Specifications

Bids are to be addressed to the Town Manager and the envelope should be plainly marked, "Vibratory Roller".

Bids must be detailed categorically in the same order as specifications to facilitate reading and study. Any and all pamphlets or company-prepared information will be appreciated.

All items in the following specifications shall be deemed to include the words, "or equal to".

The Town of East Hampton reserves the right to refuse all bids and is under no obligation to accept the lowest bidder.

No bid may be withdrawn for a period of thirty (30) days.

The purpose of this bid is to describe a Double Drum Vibratory Roller.

Standard Performance

- One Ton Class
- Single, Front Drum Vibratory
- Double Drum Drive
- 3400 lbs. Centrifugal Force
- 4200 Vibrations per Minute

The roller will be equipped as follows:

- Powered by a 2-cylinder, 4-cycle, air cooled, gasoline engine, minimum 18 h.p. ; comparable diesel engine also acceptable
- Electric start via a 12 volt, vibration isolated, lead acid “gel cell-type” 12 v. battery
- Hydraulic system must include filter

Weights

- Machine must have an operating weight (with 175 lb. operator, half full of water and fuel) of 2490 lbs.
- The rear drum must be ballastable for increasing weight to the machine to 2690 lbs.

Dimensions

- Overall dimensions of the machine should be approximately 71.8 in. long x 40.8 wide x 90.6 in. high
- Both front and rear drum must have an approximate width of 35.4 in. and a shell thickness of 0.39 in.
- Drum diameter must not exceed 22 in.
- Drums must be tapered to minimize damage to the asphalt
- Machine must have a minimum curb clearance of 16 in. on at least one side
- Machine must have a minimum side clearance of 2 in. on at least one side
- Machine must have no front or rear overhangs

Safety

- Engine can only be started in the neutral position
- Articulation joints must be equipped with a locking device to stabilize the machine while lifting
- The machine must have a suitable lifting point
- Machine must have good visibility over hood
- Machine must have a lockable fuel cap and a minimum fuel capacity of 6 gal.
- Machine must be supplied with a mechanically-operated disc and caliper brake system
- Sound level at the operator’s ear should not exceed 86.0 dB(A)
- Machine shall be equipped with an approved R.O.P.S.
- Machine shall be equipped with an amber strobe light to increase visibility

Water System

- Machine must be equipped with a water system, pressure type preferred
- Water flow must have a variable flow rate selection for regulating water flow to meet application needs.
- Water tank must be completely plastic making it corrosion-proof with a minimum capacity of 26 gallons.
- The entire sprinkler system must use as much plastic as practical to prevent corrosion
- Sprinkler bars must be easy to remove for cleaning
- Water system must be easily drained and purged to prevent damage from freezing.

Transmission

- Transmission must be completely hydrostatic
- Drive motors must be directly coupled to both front and rear drums
- Forward/reverse lever must incorporate a fully-sealed vibration on/off switch and be mounted on the operator's right side
- Forward and reverse speeds must be infinitely variable and range from 0-5.4 mph

Steering

- Steering should be hydraulic, articulating frame-type.
- Steering angle must be +/- 34 degrees
- Vertical oscillation angle must be +/- 15 degrees
- Machine must have a minimum continuous grade ability of 30% with or without vibration
- The outside turning radius of the machine must not exceed 97 in. (8.04 ft.)
- The inside turning radius of the machine must not exceed 62 (5.09 ft.)

Vibration

- Exciters must be located inside the front drum to give efficient energy transfer and low center of gravity
- Must have hydraulically operated exciter system
- Total centrifugal force must be no less than 3400 lbs.
- Total frequency must be 4200 vibrations per minute (VPM)

Serviceability

- Engine compartment should have a tilting hood that provides ample space for easy access to pumps, engine and maintenance
- Must have a remote battery jump start terminal under the hood or easy access to battery that does not require the use of tools.
- Must have a tow valve under the hood that does not require tools to release the drive brake.
- Machine must have a rear tilting platform, held down by four (4) bolts, to provide easy access to additional maintenance items

- Rear tilting platform must be able to stay raised without additional support to the lift cylinder when the water tank is empty.
- Articulated joint must have adjustment.
- All hydraulic hoses must be protected with guards.
- Machine must have two (2) spring-loaded, self-adjusting, reversible polyurethane scraper bars per drum to keep drum free from debris.
- Machine shall be supplied with two (2) complete sets of replacement scraper bars
- Scraper bars must be able to stay lifted without holding to easily clean drum surface under bar

Control Panel

- Must have a low fuel sensor that notifies the operator when there is at least thirty (30) minutes of operation time remaining before running out of fuel.
- Must have a variable water flow adjuster.
- Must be easy to understand.
- Must be equipped with a vibration isolated service hour meter.

Training

- Operator and Service training will be provided at no charge. Full training is available at the factory and condensed training is available on-site by company field sales or service representatives.

Support

- Multiple levels of support will be available “on-site” and from the “factory”
- Local support includes: Regional Manager, District, Managers, Product Specialists, Sales persons, and Field Service Trainers.
- Factory support includes: Toll-free phone, e-mail, or fax contact with Product Application specialists, Product Repair/Warranty specialists, Regional Sales support specialists, and Service Parts support specialists.
- Machine shall be supplied with an operator’s manual and a complete set of service manuals that cover all components on machine, i.e., engine, hydraulic system, electrical system, etc.

Trade-In

1983 Rosco Vibrastat III, 16 h.p. hydrostatic drive, serial #22409

Trade-in available upon or anytime after delivery of new machine.

Delivery

- Bidder shall state the best and factual delivery as requested. The “Vibratory Roller” is to be delivered “FOB” to the East Hampton Public Works Department, One Public Works Drive, East Hampton, CT 06424

- Delivery of the “Vibratory Roller” is required as soon as possible and a guaranteed date of delivery may be taken into account when awarding the bid.

BID PRICE _____

TRADE-IN AMOUNT _____