

Bid Notice

Sealed bids will be received by the City Manager of the City of Seaford, 414 High Street, Seaford, DE 19973, until 2:15 p.m., prevailing time on Wednesday October 21st, 2020 for a **“Brush Chipper”**. All bids will be opened in the City Council Chambers and read aloud at this time. The City Manager and staff will then evaluate them for compliance.

The bids may be presented to the Mayor and Council at their regular meeting on Tuesday, October 27th, 2020, at 7:00 p.m., in Council Chambers, 414 High Street. They may be awarded at this time. The Mayor and Council reserve the right to reject any and all bids.

Bids must be submitted in a sealed envelope, addressed ATTN: Charles Anderson, City Manager, City of Seaford, P.O. Box 1100, Seaford, DE 19973. The outside of the envelope must be marked **“Attn: City Manager, Brush Chipper”** and the bidder’s name shall be shown thereon. All proposals must be made on the bid form provided in the specifications. All proposals must conform to the bid documents. Any exceptions must be specifically listed by the bidder and will be evaluated for suitability and acceptance is at the sole discretion of the owner.

Complete specifications and contract documents will be available at the City of Seaford, 414 High Street, Seaford, Delaware 19973. Copies may be obtained by calling Tracy Torbert, City Clerk at (302) 629-9173

No bids may be withdrawn after the scheduled time from the receipt of bids for a period of thirty days. The City of Seaford reserves the right to reject any and all bids and to waive any or all informalities in any bid or bids.

City of Seaford
Charles Anderson
City Manager

Bid Specifications –Brush Chipper

74 hp (55.4 kW) Tier 4 Final (Stage IV)

Intent and purpose

The following shall indicate minimum requirements, including all components, accessories and safety features considered standard, necessary to make a complete operating unit, whether identified herein or not. No components normally offered as standard items may be deleted without written approval from the City of Seaford.

General

Unit shall be a trailer-mounted hydraulically fed drum chipper in the 12" (30.5 cm) capacity class. Length of basic unit shall not exceed 12.5' (3.8 m) when in transport configuration [feed table up, tongue retracted, add 24" (61 cm) for tongue extension or 16.5' (5 m) overall length (feed table down and tongue extended)]. Overall height shall not be more than 101" (256.5 cm). Maximum weight of the unit shall not be more than 4995 lb (2265.7 kg) and tongue weight shall not exceed 600 lb (272.2 kg).

Engine

Unit shall have an industrial, liquid-cooled, diesel engine equal to a Tier 4 Final emissions rated v TD2.9 Turbo, 74 hp (55.4 kW) at 2600 rpm [181 ft-lb (245 Nm) of torque at 1600 rpm] with a maximum displacement of 177 cu in (2.9 cu L). Engine shall be equipped with a standard DOC exhaust after treatment and air intake filter shall include a precleaner. Unit shall be equipped with a spin-on replaceable oil filter. Unit shall be equipped with a front-mounted fuel filter and a fuel tank with a minimum capacity of 25 gal (94.6 L). Unit shall be equipped with a 12-volt, Group 31, 950 CCA battery. Engine shall be rubber-mounted with a steel engine enclosure including a lockable access door.

Trailer

Trailer frame shall be constructed of .25" (6.4 mm) Z channel [4.25" x 7" (10.8 cm x 18 cm)]. Suspension shall be a rubber-torsion type with a capacity of at least 5200 lb (2358.7 kg). Tires shall be equal to ST235/80R16 LRE [3500 lb (1588 kg) rating]. The tongue shall extend 24" (61 cm) and the pintle hitch; adjusts up and down a total of 8" (20.3 cm). Unit shall be equipped with electric brakes and includes a breakaway switch and cable. Trailer lights shall be LED high-mounted and equipped with protectors to reduce damage. Fenders shall be steel bolt-on and not welded. The unit shall be equipped with 2 towing safety chains with a minimum size of .375" (9.5 mm). The trailer must be equipped with a tongue jack with a minimum capacity of 5000 lb (2268 kg).

Cutting System

The cutting system shall be a drum style with a minimum drum size of 20" (50.8 cm) in diameter, 20" (50.8 cm) in width and .38" (9.7 mm) thick skin with 1.5" (3.4 cm) sidewalls. The drum shall have a two-position safety lock. The drum shall weigh a minimum of 460 lb (208.7 kg). The drum shall have 2 knives, bolted in place with a minimum of 4 bolts per knife. The knife size shall be 4.5" (11.4 cm) by 9" (22.9 cm) with a minimum thickness of .625" (15.9 mm). Knives shall be constructed of A8 chipper steel. The cutter housing shall be rubber-mounted and isolated from engine and frame for sound and vibration reduction.

Feed System

The unit shall be equipped with a hydraulic infeed system. The feed system shall have 1 horizontal feed roller. The feed roller shall have a minimum diameter of 20" (50.8 cm) and a minimum width of 17" (43.2 cm). The feed roller shall be powered by one hydraulic motor with a minimum displacement of 28.3 cu in (71.8 cu cm). The feed table shall have a minimum length of 66.5" (168.9 cm) from the feed roller nip point to the end of the table. The infeed throat shall have an opening of 12" X 17" (30.5 cm X 43.2 cm).

Clutchless PTO

Unit shall be equipped with a clutchless PTO system that allows the cutter drum to be engaged without a traditional clutch and belt tensioner or without sliding the engine. System shall disallow engagement with engine speed above 1000 rpm.

SmartFeed

Unit shall be equipped with an automatic engine-speed monitoring system that senses the speed of the engine. The SmartFeed system shall automatically control the feeding of material into the cutter system according to engine rpm. This system shall have the ability to reverse material automatically and in turn restart the feeding process without any operator interface once the engine returns to full rpm. The multiple droop settings allow for optimum engine performance over a wide variety of material conditions.

Bottom Feed Stop Bar/Upper Feed Control Bar

The unit shall be equipped with a bottom feed stop bar located on the leading edge of the feed table. The bottom feed stop bar shall be strategically located to make it possible for the operator's leg to strike the bar and shut off the feed either intentionally or automatically in an emergency situation. A green button shall be positioned within reach of each side of the feed table to restart the feed roller and momentarily (30 second maximum) override the bottom feed stop bar if so required by the operator. The upper feed control bar shall be a four-position bar used to control the rotational direction of the feed rollers (forward, reverse and two neutral/stop positions). The bottom bar and upper feed control bar shall be painted red and the bottom bar shall have two sensitivity settings.

Hydraulic System

The unit shall be equipped with live type hydraulics (hydraulic pump runs directly from the engine). The system shall be open center with a return-type filtration system with a minimum filtration of 10 micron return, 100 micron suction. The pump shall have a minimum capacity of 2.7 gal/min (10.2 L/min) at maximum rpm with a relief pressure of 2500 psi (172.4 bar). The unit must have a hydraulic tank with a 7 gal (26.5 L) capacity.

Instrumentation/Storage

Primary machine controls shall be located near the infeed chute. The unit shall have a Multi-Function Display and a fuel gauge. The unit shall have three rocker switches (reduced sensitivity, Eco-Idle, and Droop Setting). The unit shall have a lockable battery location and lockable fuel fill.

Discharge System

Chute must be no less than 101" (256.5 cm) high. Rotation must be limited to 270° rotation and controlled with dual handles and lock pin offering 27 positions.

Manuals/Instructions

A full set of operator's, maintenance and parts manuals shall be supplied with the machine. A cabled operator's manual printed on water-resistant paper placed in a weather tight storage box shall be provided near the control panel. An operations and safety video (DVD) shall be supplied with each machine.

The successful bidder shall provide up to 1 hour of training for each piece of equipment provided. This training shall be at a scheduled time and place acceptable to the Director of Electric. Training shall include control orientation, safety, maintenance requirements, and hands on operation of the equipment by the Department staff. Training shall be provided at the City of Seaford Utility Building located at 8000 Herring Run Road, Seaford, DE 19973

Options

Lockable instrument panel cover
Biodegradable hydraulic oil
Hydraulic surge brakes
Special paint
Extended warranties
Preventive maintenance programs
Sound reduction package
Left side controls
7000 lb (3175.1 kg) axle
Belt/Knife service kit
Flag mounts
Cone storage mount

Warranty

The unit shall be provided this a standard warranty of one (1) year. Provide a copy of the manufacturer's service and warranty policy with all warranty verification vouchers, certificates or coupons and line-setting tickets to include body model and serial numbers.

Distributor Requirements

The successful bidder shall be a licensed dealer / distributor of the proposed equipment.
The successful bidder shall maintain a store front and be located within 100 miles of Seaford.
The successful bidder shall maintain an inventory of common replacement parts for the proposed equipment including belts, filters, cutting blades, and other common wear parts.
The successful bidder shall offer full on-site repair and maintenance services of the proposed equipment with a 72-hour turn-around time on most repairs.

BID FORM
CITY OF SEAFORD
BRUSH CHIPPER

To: City Manager
City Hall
414 High St.
Seaford, DE 19973

Gentlemen,

Proposal of _____ (hereinafter called "Bidder"),
organized and existing under the laws of the State of _____ doing business
as _____ (insert "a corporation" "partnership", or "an
individual" as applicable) to the City of Seaford, Delaware (hereinafter called "Owner.")

In compliance with your Advertisement for Bids, BIDDER hereby proposes to supply all
materials and labor necessary for the Procurement of Chipper in strict accordance with the
CONTRACT DOCUMENTS, and at the prices and lead times stated below unless the
period for contract execution is extended in writing by the City Manager.

By submission of this BID, each BIDDER certified, and in the case of a joint BID each party
thereto certified as to his own organization, that this BID has been arrived at
independently, without consultation, communications, or agreement as to any matter
relating to this BID, with any other BIDDER or with any competitor.

TOTAL COST \$ _____

Estimated Delivery Time for Equipment: _____

Detail specification sheets and warranty conditions shall be submitted with all bid
proposals. All deviations from this bid specification MUST be submitted, in writing, with
this bid proposal. Failure to bid all specifications may disqualify your bid.

Bidder's Name (Please print or type)

Address

Signature of Officer of Company

Name of Officer (Please print or type)

Date

Cell Phone #

Email Address