



## KITTERY PUBLIC WORKS DEPARTMENT

200 Rogers Road  
Kittery, Maine 03904  
(207) 439-0333  
Fax (207) 439-6118

Resource Recovery 439-1477  
Shop 439-9037

To: Bidders

From: Norman Albert  
Commissioner of Public Works

Date: February 29, 2016

Subject: Invitation to Bid/One Live Floor Open Top Steel Solid Waste Trailer

Enclosed please find the "Invitation to Bid" package.

If you have any questions, please call me at 207-439-0333.

Thank you.

DEPARTMENT OF PUBLIC WORKS  
INVITATION TO BID  
2016

Sealed bids for furnishing the Town of Kittery, Maine for one new open top trailer with a Keith live floor will be received by the Town Manager, Council Chambers, Municipal Building, 200 Rogers Road, Kittery, Maine 03904 until 2:00PM on Thursday, March 17, 2016, at which time they will be publicly opened and read. No facsimiles.

Proposals will be submitted in sealed envelopes plainly marked: "Proposal for New Solid Waste Trailer".

Delivery shall be F.O.B., Town of Kittery, Maine, Highway Division garage on a work day between the hours of 7:00AM to 3:30PM.

Price shall include a temporary plate.

Delivery time may be a factor in determining the award. Please state anticipated delivery time.

The trailer shall be in accordance with the attached bid specifications in the proposal.

The trailer shall conform to the pertinent Occupational Safety and Health Act Requirement of the State of Maine.

The trailer shall be equipped with standard factory equipment and bidder shall include with his bid a catalog (or literature) marked to indicate the standard factory equipment pertinent to the proposal.

The trailer offered in this proposal shall be absolutely new and the latest YEAR model as quoted.

The dealer will state in the proposal the make, model number, model year, etc. which shall be for equipment that meets all the specifications and performs all the functions and is as represented, not only by these specifications, but also by the descriptions in the descriptive literature included with this bid, unless the literature is plainly marked otherwise.

The dealer will include with bid the location and description of its nearest service and repair facility. A qualification summary of personnel related to repairs would also be pertinent.

The Town of Kittery will pay the purchase price within 10-20 days following delivery of, and receipt of bills, for all items covered by the Purchase Order. In submitting a bid under these specifications, bidder should take into account all discounts and time allowed in accordance with the above payment policy. Therefore, all bidders should quote a net price exclusive of all Federal or State Excise Taxes.

The Town of Kittery reserves the right to waive any informalities in bids, to accept any bid, and to reject any or all bids, should it be deemed to be in the best interest of the Town.

TOWN OF KITTERY  
LIVE FLOOR OPEN TOP STEEL TRAILER SPECIFICATIONS  
2016

**Body**

Capacity desired at 120 approximate cubic yards (state capacity with bid);

Overall dimension 102" wide, 48' long, and 13'3" high (including cover);

Post panel design with 12 gauge Cor-ten high tensile 60,000 psi minimum steel and 6"x3" posts on 24" centers;

Bulkhead 10 gauge Con-ten high tensile steel;

Front post 3/16";

Radius front;

Rear post 1/4" x 16" with fish mount brackets;

Bottom cross members 4" JR. I – beams at 12" on center;

Longitudinal one piece 10" x 15 # per foot I – beam extending from landing gear, welded and gusseted at cross members to rear;

4 1/2" bottom rail with dirt shredders inside and outside;

Top rail, HSS 6" x 6" x 1/4";

Spreader bars rear and middle;

Rear bumper heavy-duty landfill with two tow hooks for pull and push;

Front catwalk;

Four ladders front exterior and interior passenger side, and recessed on both rear passenger and drivers side;

Rear door, all expanded metal mesh swing type hinged on passenger's side with grease fittings;

Sub-frame rust proof coated prior to installation of Keith Walking Floor; Standard mud flaps;

Paint to be primer with at least 2 coats of Imron Silver Metallic M5030HN paint;

Tire carrier for one tire; and

Top rail and tarp roof ties built at same height.

**Floor**

Keith Walking Floor KRFII Impact #1841-3.5 super duty specifications as detailed and attached.

**Hydraulic System**

As per details under Keith Walking Floor description as attached.

**Suspension**

Raco 21B 4 spring, 9 leaf, cast hanger suspension and 52,000 lb. capacity

**Brakes**

16 ½" x 7" air with automatic slack adjusters and A.B.S.

**Tires and Wheels**

Con met 10 hole stud hub mount wheels with outboard drums and 5 years warranty;

Rims 8.25"x22.5" steel disks;

Tires 16 ply radial 1100 x 22.5" tub-less;

Matching spare tire and wheel included.

**Tarp**

Side roll tarp on driver's side – loading on passenger side;

Tarp rod full length;

Minimum 4 tie downs on passenger side;

Supply 4 ratchets with 2" straps;

Top rail and tarp roof ties built at the same height;

Crank from ground and front of trailer;

Solid vinyl 22 oz. cover material;

3" Tarp stops;

Aluminum and stainless steel components (Mountain Tarp or equivalent);

Extended idlers to help get the tarp past the tailgate.

### **Lights**

All lighting must meet DOT requirements;

Track-lite Sealed System;

Side rail reflectorization;

Mid mount turn signals with "wide turn" sign wording on both sides of trailer;

12 Volt electrical system with a 7 way connector; and

Wiring to be waterproof.

### **Kingpin**

3/8" Hi-Tensile steel fifth wheel plate with 2" fifth wheel pin, 36" setting;

Upper coupler height 52".

### **Landing Gear**

Holland Mark II two speed rated with a 160,000 lb. static load capacity;

Landing gear braced with side plate to reduce side to side and front to rear movement.

### **Axles**

Axel 5" round, 5/8" wall with 25,000 # capacity.

### **Manuals**

Parts, repair, and service manuals for trailer, hydraulics, and Keith floor to be delivered before or with the trailer.

KEITH WALKING FLOOR  
KRFII *IMPACT* #1841-3.5 SUPER-DUTY SPECIFICATIONS

Keith two-way hydraulic operated Walking Floor, P.O. Box 1, Madras, OR 97741 USA,  
Phone: 541-475-3802 Fax: 541-475-2169

1. Drive Mechanism: The hydraulic cylinder shafts must be attached to the frame with (4) 5/8" bolts and will remain stationary. The 2" x 8" cross drives are clamped directly to the hydraulic cylinder barrels and are supported by support rails which are attached to the center frame. The cylinders on each cross drive must be independently removable and interchangeable.
2. Hydraulic System: (6) Cylinders with 3 1/2" diameter bore, 1.771" OD x 1.125" ID 1045 induction hardened (50 Rc minimum and 10 RMS finish) piston rods with 10" stroke. Each unit of (2) cylinders are connected at the base of each cylinder. All hydraulic lines on the drive unit must be steel hydraulic tubing (no hoses). Each piston shall have 2 Parker 4700 series (or Disogrin) piston seals and a wear ring. Each cylinder head shall have 2 rod wipers, 2 wear rings and one Parker 4700 series (Disogrin) seal.
3. Mounting: Hydraulic drive mechanisms must be mounted in a center frame which is attaches to the trailer suspension sub-frame, or is a continuation of the suspension sub-frame.
4. The Walking Floor® Unloader has 24 moving extrusions extruded from 6061-T6 aluminum on 3.65" centers. Legs and top of each floor slat to be .250" minimum thickness with two .500" wide x .750" overall thick ridges with slot to accommodate .750" wide polyethylene seal.
5. Each floor extrusion shall be secured to the drive mechanism with (6) minimum 5/16" x 1" Allen type counter sunk bolts, grade 8 with self-locking nuts.
6. Each aluminum extrusion shall be supported by the high density polyethylene bearings in the center and on each side of the floor slat with plastic between bottom foot of the extrusion and the trailer cross member.
7. Each cross sill has 24 high density polyethylene bearing attached to it. Minimum bearings surface 15.45 square inches (9.07 square inches on the top of the bearing, 3.19 square inches on each side of the lower portion on the cross sill). The two tabs on each side of the cross sill that hold the bearings in place are at least 1.5 inches in length.
8. Hydraulic system shall be powered by a hydraulic pump driven off a PTO mounted on the truck tractor transmission. Minimum pump rating to be 30 GMP @ 3000 PSI. (Can be up to 60 GMP @ 3000 PSI depending on unloading speed desired.) Truck mounted hydraulic unit shall be provided and installed by hauling contractor.
9. Hydraulic fittings – pressure 5100-55-16B and ret 5100-52-20B, 10 hydraulic hoses 1" x 108" at 3000 PSI.

Bid Proposal  
And  
Agreement Acceptance

Proposal Submitted by:

Company Name \_\_\_\_\_ Tel. No. \_\_\_\_\_

Address \_\_\_\_\_  
\_\_\_\_\_

Name of Authorized Signature \_\_\_\_\_ Title \_\_\_\_\_

Signature \_\_\_\_\_ Date \_\_\_\_\_

Proposal:

Total net delivered price for one "Live Floor Open Top Steel Trailer" as per specifications. \$ \_\_\_\_\_

Where the specification(s) cannot be met, the dealer should so indicate or explain below:

\_\_\_\_\_  
\_\_\_\_\_

Trade in allowance for one 2002 Manac live floor open top steel tri-axle 120 cu. Yd. trailer, minimum bid \$10,000.00 \$ \_\_\_\_\_

Special Note:

The "Town of Kittery Surplus Disposal Ordinance" requires the dealer trade-in allowance to be competitive to public participation. Sealed bids from the public will be opened at the same time as the bid opening for the new "Live Floor Open Top Steel Trailer" and will not be released until the new replacement arrives (approx. 2 months). A dealer is not required to offer a trade-in allowance.

Proposal Accepted by:

Nancy Colbert-Puff, Kittery Town Manager

Exceptions:

\_\_\_\_\_  
Signature \_\_\_\_\_ Date \_\_\_\_\_

Legal Ad

INVITATION TO BID  
SOLID WASTE LIVE FLOOR TRAILER

Sealed bids for furnishing the Town of Kittery, Maine with one new 120 cu. Yd. open top trailer with a Keith live floor and associated equipment as per specifications will be received by the Town Manager, Municipal Building, 200 Rogers Road, Kittery, Maine 03904 until 2:00PM on Thursday, March 17, 2016 at which time they will be publicly opened and read. Proposals will be submitted in sealed envelopes plainly marked: "Proposal for New Solid Waste Trailer". No facsimiles. Specifications may be obtained at the Municipal Building or the Town of Kittery website or call (207) 439-0333, Norman Albert, Commissioner of Public Works.

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Legal Aid

For Sale by Sealed Bid  
2002 Manac Live Floor Trailer  
Kittery Public Works Department

Sealed bids for the sale of a 2002 Manac, 120 cu. Yd. open top live floor trailer with a Keith Walking floor will be received by the Town Clerk, Municipal Building, 200 Rogers Road, Kittery, Maine 03904 until 2:00PM on Thursday, March 17, 2016 at which time they will be publicly opened and read. All envelopes must be plainly marked on the outside "Bid for Used Trailer". No facsimiles.

The trailer will not be exchanged or transferred on the day of the bid opening. The actual sale will take place when the replacement trailer arrives and is accepted.

The Manac trailer may be seen at the Kittery Resource Recovery Facility 7:30AM to 3:00PM Monday through Friday by appointment. Call (207) 439-0333 ask for Dave Rich.