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**Department of
Solid Waste**

**Deschutes County Department of Solid Waste
Manufacture and Delivery of Two New and Unused
Current Model Solid Waste Walking Floor Trailers**

ADDENDUM NO. 1

Project Title: Manufacture and Delivery of Two New and Unused Current Model Walking Floor Solid Waste Transfer Trailers

Date Issued: February 13, 2020

Proposal Submittal Date: February 21, 2020

This addendum is issued to revise the Request for Bids for the Manufacture and Delivery of Two New and Unused Current Model Walking Floor Solid Waste Transfer Trailers dated January, 2020.

There is no change to the proposal submittal date and time. Proposals will continue to be received at the Deschutes County Solid Waste Department, 61050 SE 27th Street Bend, Oregon, 97702, until but not after, 4:00 p.m. on Friday, February 21, 2020.

BIDDERS MUST COMPLETE AND SUBMIT THE ATTACHED ADDENDUM #1 WITH THEIR BID FOR THIS PROJECT.

The Addendum shall be as specified on the attached Addendum #1.

**Deschutes County Department of Solid Waste
Manufacture and Delivery of Two New and Unused
Current Model Solid Waste Walking Floor Trailers**

ADDENDUM #1

Addendum #1 shall be as follows:

Replace PART III-SPECIFICATIONS, Section 4. Technical Specifications, Subsection y, Cover with the following:

y. Cover: Hydraulic Flip Top Lids.

Two full length lid frames, each covering half of the open top of the trailer, constructed of heavy duty tube frames, rotating torque tubes and hinges and be designed and constructed to withstand high winds and repeated opening/closing cycles without distortion or damage. The lids shall rotate 270° from flat on top of the trailer to flat against the sides of the trailer and be cushioned against the trailer sides with bumpers. Each lid shall rotate by means of two parallel hydraulic cylinders (U.S. manufactured only) connected to a roller chain over a sprocket welded to the front end of the torque tube. One of the hydraulic cylinders actuates opening of the trailer lid and the other to close the lid. The hydraulic opener shall be an assembly installed as a separate unit of the trailer. Each lid frame shall be welded to the torque tube and be held in place by five tube bearings. Lids shall fit the trailer with sufficient gaps to prevent binding, with minimal gaps and holes to prevent refuse from escaping during transit.

The lid frames shall be manufactured using 1½" x 1½" x .083 square tubing and include a minimum of three interior carrier brace tubes to support the mesh fabric. Each lid end shall have a diagonal reinforcement tube and frame corners and interior brace tubes shall be reinforced with gussets at attachment points. The frame structure shall accommodate the trailer front and end walls and center cross bar to allow the lid to allow the lid to lay flat when in the closed position. When closed, the gap between the lid frames shall not exceed 2".

The inside edge of each frame shall be made of 3/8" cable routed through a piece of ½" inside diameter tube on each cross member and include a turnbuckle equipped with jamb nuts on the front end of each section. No more than 2" distance centerline can exist between cables on entire length of trailer. Mesh to be fastened to cable with 3/8" nylon tie-wraps. A 3/8" air gap shall exist between frames and trailer top rail to prevent binding due to buildup of refuse.

Lid mesh fabric shall be heavy Dacron material 60" wide with a minimum and maximum overlap in the center of the trailer on each side of 4" to prevent refuse from escaping during transit. The reinforcement down the center of the trailer shall be attached to the cable via 3/8" nylon or wire tie wraps every 6". The outside perimeter of the mesh shall be reinforced with 6" webbing. The mesh shall be fastened to the framework every 12" with a ¼" x 1" self-drilling, self-tapping screw and a ¼" fender washer or aluminum flat bar. The mesh shall be reinforced with 22-oz. vinyl material by each cross brace and center support bar. Any sharp edges must be covered to protect the covers from prematurely wearing. Mesh material must be able to be sewn by hand for repairs.

Lid frames shall be attached to a round .276" x 2.875" x full trailer length torque tube and held in place by five 3½" x 4" x .300" wall bearings. Each wall bearing shall be equipped a grease zerck fitting. A type A hub, 18 tooth, #80 chain sprocket shall be welded to the front of each torque tube. The actuating chain shall be a #80 roller chain. A chain guard covering the sides of the sprocket shall be included. Each lid shall have two 7/8" x 2½" x 4¾" steel connecting blocks between the chain and hydraulic cylinder clevis pin and include a 1 1/32" hole for the clevis pin and a 7/16" hole for the roller chain pin

A diverter valve must be installed on the front drivers outside corner of the trailer just below the double spool valve for the screen opener to allow operation of hydraulic flip tops without operation of the walking floor. The valve for the opener shall be a triple spool valve, which can operate the flip top covers and door without assistance of any other valving. Control valve to be set for power beyond. Flow diverter valve to be set at 8 GPM. The covers, door, and unloading system shall have the ability to operate simultaneously without the assistance from any other valves. Cover and door valving shall be located on the front driver's outside corner. The hydraulic hoses for the opener shall be -6 with clamps securing them to the trailer. Adjustable lockable restrictors shall be installed in the lines at the cylinders open and close. All fittings shall be ORFS, JIC, or swivel pipe.

The two cylinders for each lid are 2 ½" x 18" double acting. One 1/8" bleed line runs from the "dead" port on the cylinder through the front wall. The cylinder brackets are ½" plate with reinforced hole for the cylinder pin and are welded to a 3/8" plate on the front wall. The 3/8" plate is welded through the wall to an inside ¼" reinforcement plate. The hydraulic valves for the lids are; One ¾" flow control valve part#FC51-12SAE, one 1" selector valve part#S100, two ½" counter balance valves part#MHB-030-LEDH-52N, one dual control 4 way valve part#SBA22. All hydraulic hoses are Parker 451TC tough cover. The lids are painted to match the color of the trailer.

The undersigned acknowledges receipt of and has incorporated this Addendum in the Total Bid Price submitted herein:

Bidder Name

Signature

Date

Bidders must complete and submit this Addendum #1 with their bid for this project.