



CITY OF WASILLA

290 E. HERNING AVE.
WASILLA, ALASKA 99654-7091
PHONE: (907) 373-9050
FAX: (907) 373-9085

COUNCIL MEMORANDUM NO. 93-73

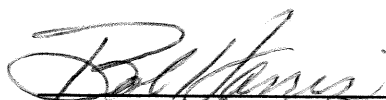
From: Deputy Administrator
Date: August 16, 1993
Subject: Truck Mount Sanding Unit

The FY94 budget contains \$20,000 for a new sanding unit that will fit into the dump truck that we will acquire from DOT/PF. Our present sander is out of service and probably not economically repairable. The cost estimate between \$15,000 and \$20,000 was obtained from two suppliers in Anchorage.

We have found that the City of Ketchikan has solicited bids to obtain very similar sanding units and is purchasing them for about \$11,000 from a Seattle supplier. Our City code provides our purchasing agent with the authority to join with other units of government in cooperative purchasing ventures when the best interests of the City would be served (WMC 6.24.020). A representative of the City of Ketchikan has indicated that they are amenable to us tacking onto their bid.

We do not need all of the options Ketchikan required on their equipment. The supplier indicates that our price will be less than \$8,000, not including shipping.

Request Council approval to join onto the City of Ketchikan's bid to purchase the new sander unit for less than \$10,000.



Robert E. Harris
Deputy Administrator

APPROVED
DATE: 8/23/93
BY: R Harris

NORSTAR

INDUSTRIES, INC.

*Bid Tab
city council authorization
Ketchikan*

2302 A ST. S.E.
Auburn, Wa. 98002

Phone: 206-735-1881
Fax: 206-735-2051

TO Fax #: 907 373 9085

Attention: Larry Bridge

Company: City of Wasila

Message:

Larry, here's a copy of our po. from Ketchikan.
This poit was spec'd with just about every
option there is. We can do price deducts
for unnecessary items and end up around
7500⁰⁰. I'll give you a call tomorrow to clarify
the extra items

From: Mark Bussan

Note: There are 5 sheets including this one. Please call us at (206) 735 - 1881 if you did not receive them all or they are unreadable.

CITY OF KETCHIKAN AND KETCHIKAN PUBLIC UTILITIES

334 FRONT STREET - KETCHIKAN, ALASKA 99901

PURCHASE ORDER

No. 40 477

THIS NUMBER MUST APPEAR
ON ALL INVOICES, PACKAGES, ETC.

FOR INFORMATION CONCERNING
THIS P.O. CONTACT:

PHONE: 907-225-3111 EXT. _____

DATE April 8, 1992

TO *

Norstar Industries
2302 "A" Street SE
Auburn, WA 98002

SHIP TO ADDRESS IF DIFFERENT THAN ABOVE

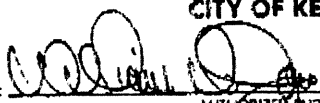
ITEM	QUANTITY	UNIT	DESCRIPTION	STORES SYMBOL	UNIT PRICE	AMOUNT
			Stainless Steel Sand Spreader as bid 3/10/92 <i>Dis. P.O. Fred Monrime</i> <i>copy of Bid #06</i> <i>copy of city exemption</i>			11,460.00

BILLING ADDRESS
City Of Ketchikan And
Ketchikan Public Utilities
334 Front
Ketchikan, Alaska 99901

IMPORTANT INSTRUCTIONS

CONTRACTOR OR VENDOR SHALL COMPLY WITH APPLICABLE LAWS, ORDERS, AND REGULATIONS CONCERNING NON-DISCRIMINATION IN EMPLOYMENT, INCLUDING THE EQUAL OPPORTUNITY CLAUSE OF SECTION 202, EXECUTIVE ORDER 11246, SEPT. 24, 1965, WHICH ARE HEREBY INCORPORATED HEREIN BY REFERENCE.
PLEASE NOTIFY US IMMEDIATELY IF YOU ARE UNABLE TO SHIP COMPLETE ORDER BY DATE SPECIFIED.
CITY OF KETCHIKAN IS EXEMPT FROM ALL EXCISE AND SALES TAX.
MAIL 3 COPIES OF YOUR INVOICE ON DATE OF SHIPMENT.
REMEMBER, AIR MAIL TO ALASKA IS FASTER.

CITY OF KETCHIKAN

BY: 
AUTHORIZED PURCHASING AGENT

FROM: NORSTAR IND.

SPECIFICATIONS FOR

BID NO. 92-1

ITEM F - STAINLESS STEEL SANDER

Page 1 of 3

Equipment: V-Box Spreader for Chassis Mount

*Fontaine
Swenson
clutches
& pumps*

The following shall be minimum requirements. The sandbox shall be new, currently advertised, standard production model and produced by the manufacturer in calendar year 1991 or 1992.

All items appearing in the bidder's regularly published standard specifications are assumed to be included in the bidder's proposal. Two (2) copies of said published specifications are to be included in the proposal package and any additions, deletions, or variations from the published specifications and the following specifications must be noted.

General: The spreader required under these specifications shall be of the heavy-duty, self-contained hopper type. The units shall consist of a 304 stainless steel body, feed conveyor, spinner disc, power drive, and all components necessary to make a complete operating unit. It shall be capable of spreading uniformly sand, cinders, salt, calcium chloride, or mixtures up to a 40' width. Bidders must submit with the bid complete specifications on the unit they propose to furnish. Bids with exception to these specification shall be considered informal.

(1) Body

Body shall be of all welded 304 stainless steel construction and not less than 5.6 cubic yard struck capacity or inside length to be not less than 10'. Overall height to be not greater than 49 1/2" above truck frame. Inside width to be not less than 82". Body sides shall have not less than forty-five degree (45°) pitch to ensure free flow of materials to conveyor. Sides and end gates to be minimum ten (10) gauge steel. Body shall be rigidly constructed and the entire top of the body is to be 1 1/8" x 2 1/4" channel formed for additional support. Body sills shall be at least 7 gauge 304 stainless steel with longitudinal flanges supported on 3" x 1 1/2" x 3/16" rectangular tubing cross sills. There shall be an adequate number of 10 gauge full slope body side supports rigidly attaching the tubular cross sills with the body sides to give the highest degree of resistance to warping or twisting under heavy loads. All necessary hardware shall be 304 stainless steel, mild steel cadmium-plated if deductive alternate is selected or where required for strength and availability of parts, specify hardware items not to be 304 stainless.

(2) Conveyor

The conveyor system shall be of the chain bar flight type running longitudinally with the body, feeding materials to the distributor disc. The overall width of the conveyor shall be approximately 24". The conveyor chain shall be all 304 stainless steel, 2 5/16" pitch, heavy duty welded pintle chain consisting of 7/8" diameter rollers and side bars with a 1/4" x 1" cross section. Chain barlights shall have a cross section of 3/8" x 1 1/2" and be positioned on approximately 4 1/2" centers. The conveyor gear box shall have a 6:1 reduction and of spur gear type having aluminum alloy housing with torque arm mount. Conveyor drive sprockets shall be 8-tooth, drop forged steel, keyed to a 2" diameter (minimum) alloy steel shaft mounted in sealed anti-friction bearings. Two heavy spring loaded, cadmium-plated adjustment screws with a minimum of 4" travel shall be provided to maintain proper conveyor tension. "Bolt in" removable and replaceable conveyor chain shields shall be provided, properly formed and of sufficient strength to resist binding.

(3) Distributor Spinner Assembly

SPECIFICATIONS FOR

BID NO. 92-1

ITEM F - STAINLESS STEEL SANDER

Page 2 of 3

The distributor disc shall be 20" in diameter of abrasion resistant, non-corrosive fluorocarbon urethane, equipped with six fins designed to obtain a controlled spread of four feet to forty feet. Material shall be guided from conveyor end to distributor disc by means of adjustable material flow deflectors, mounted in enclosed chute, equipped with dust-free tubular housing in which sealed cartridge-type ball bearings support the distributor disc drive shaft. Spinner to be vertically adjustable 12", providing a 20" to 32" spinner position in 3" increments below mounting surface. A deflector baffle or diverter chute shall be provided in enclosed distributor spinner hopper assembly so it can be positioned in such a manner that material can be unloaded from spreader without striking spinner.

(4) Baffles

To control direction and width of spread shall have 4 sections of right, left, rear, and front. Sections shall be easily adjustable without use of tools in desired positions from full down to horizontal.

(5) Mounting

modify for 5 ton
 Chassis mounting system to include necessary angle-type tie-down brackets and hardware for owner to securely attach spreader to F 1800 International truck chassis.

(6) Power Drive

To be hydraulic having two hydraulic motors. One powering the spinner and on the conveyor. The spinner hydraulic motor shall be mounted above the spinner hopper assembly and shall drive the spinner through a telescopic shaft. The conveyor hydraulic motor shall be of the orbital low-speed hi-torque type integrally mounted to conveyor gear box.

(7) System and Controls

Dual type system shall be provided incorporating a manual dual pressure compensating control valve with built-in relief valve and independent variable speed controls for spinner and conveyor. Valve to be for in-cab installation. Adequate hydraulic hose and fittings shall be furnished to complete spreader installation and shall comply with accepted industry standards for system design.

(8) Hydraulic pump system not required.

(9) Accessories required:

delete
Catwalks shall be provided for right and left side of spreader mounted on truck chassis. They shall be heavy gauge 304 stainless steel with skid resistant surface, channel formed on outer edge and supported by and bolted to heavy angles bolted to each body side support. They shall be full length of spreader hopper and will provide approximately 96" overall width of spreader.

delete
Inverted "V": An adjustable inverted "V" 304 stainless steel shield supported from cross channel with a minimum of three vertical positions shall be provided to reduce the load pressure on conveyor.

delete
Ladder: An access ladder shall be provided to mount on the left forward side of spreader. It shall be

SPECIFICATIONS FOR

BID NO. 92-1

ITEM F - STAINLESS STEEL SANDER

Page 3 of 3

constructed of 1" heavy duty pipe.

Operation and Maintenance Manuals to cover spreader.

Del
Cab Shield: Designed to protect cab from falling materials. To be of the slope down design so that material landing on it will fall into hopper as spreader unloads.

Screens over Hopper: Sectional screens with a maximum length per section of six feet shall be hinged to a 6" x 9.0# I beam running longitudinally the full length of spreader hopper. Screen sections to have 3/8" diameter rod welded to 1/4" - 2" angle frame forming 2 3/8" x 2 1/2" opening. Screen shall slope from 1" at center to 0 at edge.

Del
Bumper shall be straight channel bar type and be designed so as to protect rear of spreader from damage.

Replaceable Bottom: Bolt-in type in lieu of welded in.

Variation

MEMORANDUM

OCTOBER 16, 1991

TO: JACK PEARSON, CITY MANAGER

FROM: FRED MONREAN, PUBLIC WORKS DIRECTOR *FM*

SUBJECT: AWARD OF PURCHASE ORDER 40-397 TO NORSTAR INDUSTRIES FOR SAND SPREADER - \$5,003

We received (3) proposals for a 304 stainless steel salt/sand spreader. The proposals are as follows:

Norstar	\$5,003
Yukon Equipment Inc.	\$5,513
Sahlberg Equipment	\$5,600

The Norstar spreader is a Swenson model PO348ES and is adequate for our needs.

Recommendation:

Please sign purchase order 40-397 and return for immediate order of this equipment.

Attachment

1Q15SSpd.CM/mh

Attent:
Larry Bridge.
Fred.