

SA&I 1-4040 (2000)

Canadian \_\_\_\_\_ County, Oklahoma  
COUNTY PURCHASING OFFICE  
Canadian \_\_\_\_\_ County Court House  
El Reno \_\_\_\_\_, Oklahoma  
Phone: ( 405 ) 422-2441

INVITATION TO BID

PLEASE REVIEW TERMS AND CONDITIONS ON REVERSE  
SIDE RELATING TO SUBMISSION OF THIS BID.  
Notarized Affidavit completions and signature required on reverse side.

DATE ISSUED  
November 15, 2010  
Page 1 of 2

BID NUMBER V-Box Sand and Salt Spreader /  
#2010-11-8 Canadian County District #2  
BID CLOSING DATE AND HOUR  
Dec 3, 2010 at 4:00 pm  
REQUIRED DELIVERY DATE  
SEE SPECIFICATIONS  
\_\_\_\_ Days after award of Purchase Order

TERMS  
Net, FOB this bid will open December 6, 2010 at 9:30am  
DATE OF DELIVERY:  
SEE SPECIFICATIONS

ITEM	QUANTITY	UNIT OF ISSUE	DESCRIPTION	UNIT PRICE	TOTAL
1 or	more		<p>Canadian County District #2 is seeking bids for a new V-Box Sand and Salt Spreader.</p> <p>Specifications Attached.</p> <p>The Board of Canadian County Commissioners reserves the right to reject any and all bids or to award all or any portion of the items bid.</p> <p><u>The reverse of this sheet must be completed and returned or the bid will be rejected.</u></p> <p>Contact person: Dave Anderson, Canadian County Commissioner, District #2 2305 S Evans Road El Reno, OK 73036 (405) 262-0589</p>		<p>\$ _____</p> <p>Total</p>

APPROVED  
Date 11-12-10  
*David Anderson*  
Officer of Department Head

**TERMS AND CONDITIONS**

1. Sealed bids will be opened in the Commissioner's Conference Room, Canadian  
County Courthouse, 201 N. Choctaw Avenue, El Reno, Oklahoma, at the time and date shown on the invitation to bid form.
2. Late bids will not be considered. Bids must be received in sealed envelopes (one to an envelope) with bid number and closing date written on the outside of the envelope.
3. Unit prices will be guaranteed correct by the bidder.
4. Firm prices will be F.O.B. destination.
5. Purchases by Canadian County, Oklahoma, are not subject to state or federal taxes.
6. This bid is submitted as a legal offer and any bid when accepted by the County constitutes a firm contract.
7. Oklahoma laws require each bidder submitting a bid to a county for goods or services to furnish a notarized sworn statement of non-collusion. A form is supplied below.
8. Bids will be firm until 01/06/2011  
(DATE)

AFFIDAVIT: I, the undersigned, of lawful age, being first duly sworn on oath say that he (she) is the agent authorized by the bidder to submit the above bid. Affiant further states that the bidder has not been a party to any collusion among bidders in restraint of freedom of competition by agreement to bid at a fixed price or to refrain from bidding; or with any state official or employee as to quantity; quality or price in the prospective contract or any other terms of said prospective contract; or in any discussions between bidders and any state official concerning exchange of money or other thing of value for special consideration in the letting of a contract; that the bidder/contractor has not paid, given or donated or agreed to pay, give or donate to any officer or employee of the State of Oklahoma (or other entity) any money or other thing of value, either directly or indirectly in the procuring of the award of a contract pursuant to this bid.

Subscribed and sworn before this \_\_\_\_\_ day

of \_\_\_\_\_, 20 \_\_\_\_\_

(SEAL)

Firm: \_\_\_\_\_

My commission expires \_\_\_\_\_

Signed by: \_\_\_\_\_ Title: \_\_\_\_\_  
(Manual Signature of Undersigned)

\_\_\_\_\_  
NOTARY PUBLIC (CLERK OR JUDGE)

Address: \_\_\_\_\_ Phone: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_

Zip: \_\_\_\_\_

Please mail sealed bids to:  
Canadian County Clerk's Office  
Attn: Purchasing  
PO Box 458  
El Reno, OK 73036

Street Address:  
201 N Choctaw Avenue  
El Reno, OK 73036



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Date Issued: November 15, 2010  
Bid Number: **2010-11-8**  
Closing Date: December 3, 2010 at 4:00pm  
                  PO Box 458, 201 N. Choctaw Ave., El Reno, OK 73036  
Opening Date: December 6, 2010 at 9:30am  
                  Commissioner's Meeting Room, 201 N. Choctaw Ave., El Reno, OK 73036

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~ SPECIFICATIONS ~

**V-Box Sand and Salt Spreader / Canadian County District #2**

Canadian County District #2 is seeking bids for a new V-Box Sand and Salt Spreader.

Specifications: See Attached

**For Information Contact:**

Dave Anderson, Canadian County Commissioner, District #2

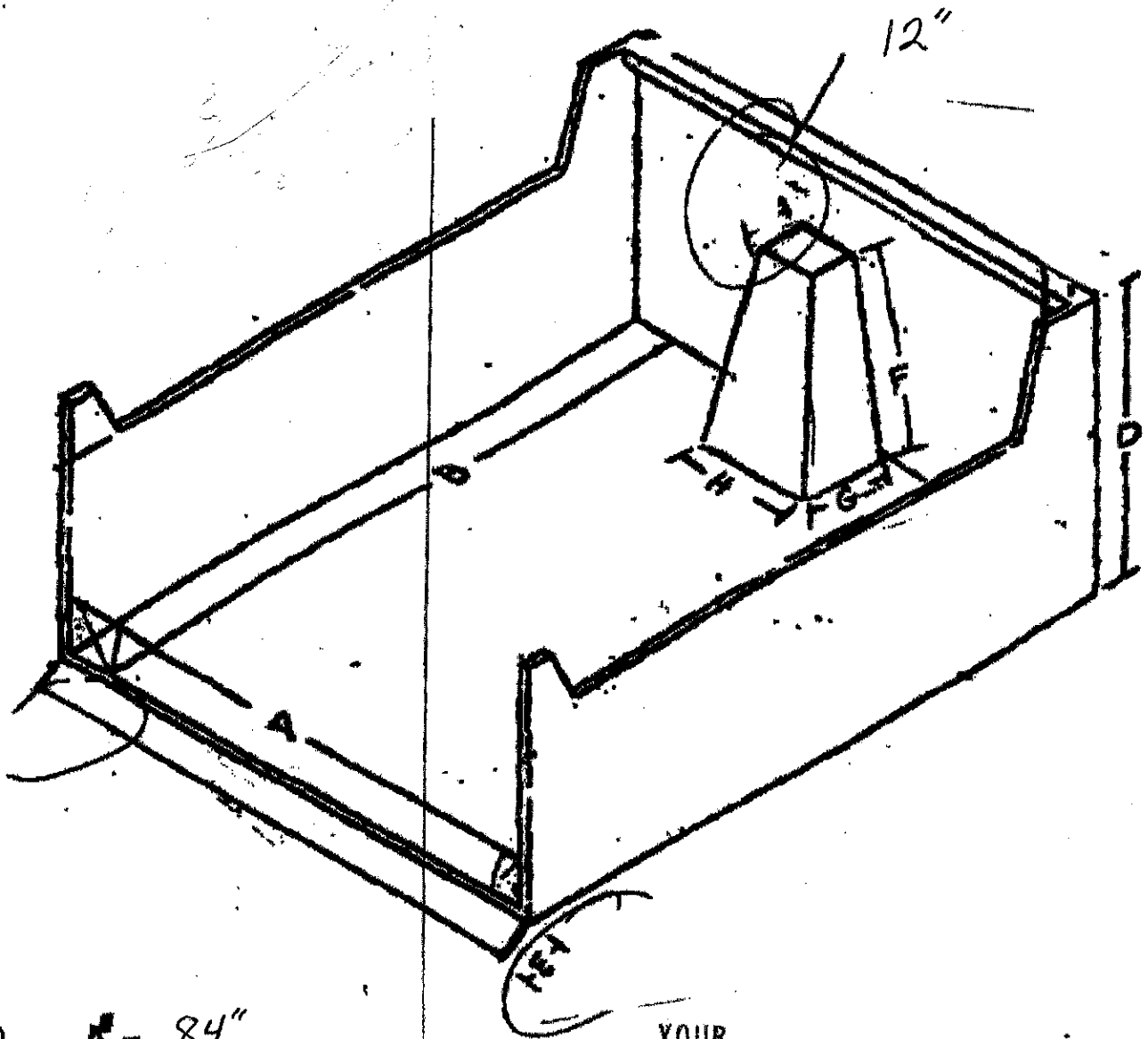
Phone: (405) 262-0589

Hours: Monday – Friday 8:00am to 3:30pm

Address: 2305 South Evans Road, El Reno, OK 73036

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If you have any questions or need additional information, please contact:  
**Sherry Murray**, Purchasing Agent, 405.295.6125 or 405.422.2441  
smurray@okcana.cogov.net



BED A - 84"  
H BED B - 179"  
3TH C - 54"  
BED D - 54"  
3HT E - 9"  
T APRON  
IH

YOUR  
H - DOG HOUSE WIDTH - 20"  
G - DOG HOUSE DEPTH - 37"  
F - DOG HOUSE HEIGHT - 46"

Canadian County  
Truck Bed Dimensions

**SPECIFICATIONS FOR A V-BOX SAND AND SALT SPREADER**  
**304 STAINLESS STEEL CONSTRUCTION**

**GENERAL:**

This specification shall describe a **HENDERSON FSH II** V-box material spreader or approved equal, capable of hauling and spreading free flowing granular materials. This unit shall consist of a steel body, rear discharge conveyor, spinner disc, power drive, and all components necessary to make a complete operating unit. Bidders must submit with their proposal complete specifications on the unit they propose to furnish.

**MINIMUM BODY REQUIREMENTS:**

<b><u>MINIMUM BODY REQUIREMENTS:</u></b>	<b>YES</b>	<b>EXCEPTIONS</b>
Capacity to be ( . ) yd <sup>3</sup> struck	_____	_____
Inside length to be ( ) feet	_____	_____
Inside top width to be 84"	_____	_____
Side slope to be 45° minimum	_____	_____
Front & rear panels slope; rear 9°, front 18°	_____	_____
Hopper seams to be continuous welded on inside	_____	_____
Sides, ends, & side supports to be 10 gauge 304 stainless steel.	_____	_____
Top edge of hopper is formed "J" channel 2" x 7/8"	_____	_____
Body floor is 7 gauge 304 stainless steel steel bolt-in replaceable	_____	_____
Long sills to be 7 gauge 304 SS	_____	_____
Chain shields are 7 gauge 304SS formed from long sills	_____	_____
Cross sills to be formed 7 gauge 304SS; welded to side supports	_____	_____
Feedgate is 10 gauge 304SS 10"x18"; screwjack adjustable from curbside	_____	_____
Lift hooks on each corner are 1/4" x 2" formed 304SS plate	_____	_____
All hardware is stainless steel	_____	_____

**MINIMUM CONVEYOR REQUIREMENTS:**

**YES    EXCEPTIONS**

Rear discharge pintle chain conveyor to be 24" wide

\_\_\_\_\_

Heat treated alloy steel chain; 21,000 lbs./strand

\_\_\_\_\_

Chain pins to be 7/16" diameter with 2-1/4" pitch

\_\_\_\_\_

Cross bars to be 1/4" x 1-1/2" on 4-1/2" centers

\_\_\_\_\_

Cross bars must lay flat on conveyor floor

\_\_\_\_\_

4" spring loaded idler adjustment

\_\_\_\_\_

Chain tension adjusting rod to be 5/8" diameter stainless steel

\_\_\_\_\_

Drive shaft to be 1-1/2" diameter TP&G alloy steel, 102,000psi tensile strength, mounted in sealed bearings

\_\_\_\_\_

Idler shaft to be 1-1/2" diameter alloy steel mounted in sealed ball bearings

\_\_\_\_\_

Conveyor sprockets to be self-cleaning 8 tooth cast iron, keyed to drive and idler shafts

\_\_\_\_\_

**CONVEYOR GEARCASE:**

Hi-tensile cast iron housing; oil tight with breather and oil level plug

\_\_\_\_\_

50:1 reduction; steel worm gear to be hardened and ground; aluminum bronze output gear; 90,000 lbs. tensile strength

\_\_\_\_\_

Output bearings to be tapered roller type

\_\_\_\_\_

Extended input shaft to accept optional application rate sensor

\_\_\_\_\_

Hydraulic motor mounts directly to gearcase eliminating torque arms, sprockets, chains, and couplers

\_\_\_\_\_

**304 STAINLESS STEEL SPINNER CHUTE ASSEMBLY:**

**YES**

**EXCEPTIONS**

10 gauge 304 Stainless Steel enclosed design. All mounting and adjustment hardware (pins, rods, bolts, nuts) shall be 304 Stainless Steel.

\_\_\_\_\_

(4) position telescopic adjustment; 29"-38" below mounting surface

\_\_\_\_\_

Two (2) 304 SS baffles shall be positioned at the bottom of the spinner chute to direct flow of materials onto spinner disc for directional spread pattern adjustment

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The two (2) 304 SS spread pattern adjustment baffles shall each have 5 (five) positions of adjustment without the use of tools. The baffle(s) shall utilize a 304 SS notched bar that pins into position for positive lock.

\_\_\_\_\_

Four (4) 304 SS bottom spinner deflectors shall be over-lapping to prevent loss of granular material when the deflectors are raised.

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The 304 SS bottom over-lapping spinner deflectors shall have four (4) positions of 304 SS rod and pin adjustment without tools. Chain adjustable deflectors are not acceptable.

\_\_\_\_\_

The bottom over-lapping spinner deflectors shall have the capability to be easily removed and/or replaced without tools.

\_\_\_\_\_

10 gauge 20" diameter spinner disc to have replaceable machined hub

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Six (6) 10 gauge 409SS bolt-on replaceable spinner vanes.

\_\_\_\_\_

Spinner hydraulic motor shall mount directly on top of spinner disc. Bottom mount motor or drive shaft with bearings not acceptable

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The top mounted spinner motor shall be enclosed in the spinner chute to maximize granular material flow to the spinner disc. For serviceability, the spinner chute shall have open access to the spinner motor.

\_\_\_\_\_

A 304 SS spinner bypass chute shall be provided that allows for the stationary unloading of granular material. When in the pivoted "down" position, the chute shall provide complete bypass of the spinner and bottom deflectors. When in the "up" position, the chute shall become part of the enclosed spinner chute allowing granular material flow to the spinner. The bypass chute shall have a quick latch system pinning into position without the use of tools.

\_\_\_\_\_

**CONTROL VALVE (optional):**

Speed of conveyor and spinner motors to be controlled by a Fluid Control dual pressure compensated control valve with relief pre-set to 40GPM and 1500PSI

\_\_\_\_\_

Valve to have twelve (12) detented settings for each circuit and an independent on/unload valve to allow start/stop without changing application rate

\_\_\_\_\_

Control valve to be pedestal mounted complete with JIC fittings

\_\_\_\_\_

Spreader requires 17GPM minimum/23GPM maximum at 1500PSI

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**PAINT:**

All metal surfaces are to be high-pressure cleaned with a phosphate solution to remove slag, splatter, oxide, and oil residue

\_\_\_\_\_

Non-stainless steel parts to be painted aluminum

\_\_\_\_\_

304 stainless steel components unpainted

\_\_\_\_\_



## FSH OPTIONS SPECIFICATIONS:

### OPTIONS

#### **INVERTED "V"**

### SPECIFICATIONS

A "V" shaped metal section installed over chain. Bolts to body sides, keeps weight off chain and helps prevent compaction which can make it difficult to start chain movement. available also in 409SS.

#### **TOP GRATE SCREENS**

3/8 rod across 3/8 rod for 2 3/4 grid opening. Frame of 1/4" x 1 1/2" angle iron, welded to rods and hinged to 5" I-beam.

#### **SPREADER LENGTH**

8' - 12'

13' - 15'

No. of screen sections

4 (2/side)

6 (3/side)

Center height approximately 3" above edges.

#### **H.D. TOP GRATE SCREENS**

3/8 Rod running thru 2 x 1/4 H.R. flat to form approx. 2 3/8 sq. openings. Hinged to a 5" I-beam.

#### **20" URETHANE DISC**

20" dia. - 5/8 thick - tapered vane polyurethane spinner disc in lieu of std.

#### **DUMP BODY HOLD DOWNS**

3/8 thick formed bracket on end of 3/8 proof coil chain, adjustable to clamp on bottom or top rail of dump body with 5/8" x 23 1/2" adjustable threaded rod.

#### **TRUNNION FOR TAILGATE LATCH**

3" channel with 1 1/4 pins to engage dump body endgate latches. Prevents spreader from sliding out of body if hold downs should fail.

#### **LADDERS**

Dump body type - attaches to right rear of spreader. Chassis mount type - attaches to side - ladder bottom sections folds up. No part is below frame for storage.

#### **TILT-UP SPINNER**

Spinner chute tilts up (180°) by means of a hand winch with 1000 lb rated. Tilts out of discharge path of conveyor and is very convenient for storage of spreader body on the ground. Allows discharge of material in strips.

#### **SIDE EXTENSIONS**

Extend body heights by 6" or 12" (option) to greatly increase capacities. Available also in 409SS (weld on style).

#### **SIDE TUBES & HOSES**

Two (2) 1/2" X 30" hydraulic hoses, 100R1, SAE rated. Two (2) 1/2" x 80" hydraulic hoses, 100R1, SAE rated. Three (3) hydraulic tubing lines - two (2) 1/2" and one (1) 3 3/4" are attached to body side supports for easy installation to truck hydraulic system and to conveyor and spinner motors.

#### **CHAIN OILER ASSY**

One gallon tank, petcock adjustment, plastic feeder tubing, gravity feed. Mounted in front L.H. corner.

#### **ROLLER CHAIN**

Has 7/8" diameter rollers, 7/16" pins, 1/4" x 1" side bars, cross flights 3/8" x 1 1/2" on 4 1/2" centers, chain pitch 2.31 (2-5/16" pitch).

#### **BELT-OVER CHAIN**

2-ply "Pylon" belting. For use with aggregates and materials which would otherwise damage chains screwed to roller drag chain.

**CATWALKS AND TRUCK FRAME  
MOUNTING KIT**

18" W. 14 GA. safety tread plate when this option is ordered tie down clamps and rods are deleted and angle mounts and bolts are furnished; 8' thru 12' - 4 clamps, 13' and longer - 6 clamps.

**MOUNTING KITS**

Standard mounting kits do not include quick couplers, fittings, or hoses required when complete hydraulic installation (pump, tank, valve) is to be made. Note that the valve for the cab is normally furnished but not the hoses for in-cab installation. This is done because many spreaders are ordered for replacement and all the necessary plumbing and valving is in place. For such cases, a valve-deduct option is shown on the price sheet.

**ICC LIGHTS**

Two (2) yellow clearance lights; four (4) red reflectors; one (1) 3-light cluster.

**MUD FLAPS WITH ANTI-SAIL  
BRACKETS**

Meets stated federal regulations.

**25:1 GEARCASE**

For higher speed operation as when used for seal coating. Replaces 50:1 unit.

**HOSES, FITTINGS, AND  
QUICK COUPLERS**

For complete hook-up to hyd. tank and control valve to cab of truck.

**HYDRAULIC PUMPS**

Single shaft, thru-shaft.

**ELECTRIC THROTTLE CONTROL**

May be ordered in lieu of "T" handle throttle control on model FSH-M gas engine.

**CENTER LINE SPREADER  
ATTACHMENT**

A gravity flow chute coming off side of spinner to lay a windrow of material on center line of highway. Available in telescopic and 409SS.

**CAB SHIELD**

Offered in 10 GA at three heights to clear cabs of different heights. Helps protect operator and truck from damaging rocks and debris.

**BUMPERS - FRAME AND DUMP  
BODY MT**

Help protect spreader from accidental damage.

**AUTOMATED SERVO CONTROL**

ICS2000 - Closed loop system includes hydraulic servo control for valve w/manual override, ground speed sensor, application rate sensor, control console w/controls for conveyor and spinner speeds.

**SPACER BARS**

Used to brace spreader in central position of dump body to prevent shifting of position in rough service. Assists body hold downs.

**FRONT IDLER GREASE TUBES  
EXTENSIONS**

Front bearing grease zerks extended to rear of unit, which allow operator to perform routine maintenance from ground, without climbing into dump body. A rigid 1/8" SCH 40 BLK pipe runs length of spreader on both sides that attaches to a flexible hose with brass fittings to idler bearing, and allow movement when chain is adjusted. (May be installed by dealer)

**FRONT IDLER ADJUSTMENT  
EXTENSIONS**

Front idler chain adjustments are spring loaded and extended to the rear of unit which allows operator to adjust chain tension from the ground, without climbing into dump body. A 7/8 dia. SCH 40 pipe runs length of spreader on both sides to rear that attaches to idler take up bearing slide for proper chain adjustment. (Factory installed option)



Date Issued: November 15, 2010  
Bid Number: 2010-11-8  
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PO Box 458, 201 N. Choctaw Ave., El Reno, OK 73036  
Opening Date: December 6, 2010 at 9:30am  
Commissioner's Meeting Room, 201 N. Choctaw Ave., El Reno, OK 73036

~ AFFIDAVIT ~

V-Box Sand and Salt Spreader / Canadian County District #2

State of Oklahoma )  
County of Canadian ) §

I, Sherry Murray, Purchasing Agent, in and for said County and State, do hereby certify that "Invitations to Bid" were sent to the following:

Francis Tuttle Vo-Tech Center  
Attn: Bid Assistance – Judy Robbins  
12777 N. Rockwell  
Oklahoma City, OK 73142

Frontier Equipment  
Attn: Bill Kerr  
PO Box 850114  
Yukon, OK 73085-0114

Irwin Trailers  
PO Box 130  
Meeker, OK 74855

Online Data Services  
PO Box 1476  
Decatur, GA 30031

VanKeppel's  
8233 W Reno  
Oklahoma City, OK 73125

Splash Equipment  
6412 S Eastern  
Oklahoma City, OK 73149

Ronnie Porter  
8880 S Airport Road  
El Reno, OK 73036

Robert's Truck Center  
PO Box 24008  
Oklahoma City, OK 73124

Steve Snow  
2059 N Walbaum Road  
Geary, OK 73048

Bruckner's  
Attn: Ken Schmitz  
3824 W Reno  
Oklahoma City, OK 73147

Mike Herberger  
10000 W Highway 66  
Calumet, OK 73014

Total Trailer  
PO Box 720660  
Norman, OK 73070

Sunbelt Equipment  
Attn: Joe  
Rt. 3 Box 225  
Meeker, OK 74885

Warren CAT  
PO Box 270720  
Oklahoma City, OK 73136

Butler Brothers Sand & Gravel  
15600 S Meridian  
Oklahoma City, OK 73173

Stewart Wholesale  
1407 Valley View Road  
Shawnee, OK 74801

Peterbuilt Trucks  
5200 W I-40  
Oklahoma City, OK 73112

Southwest Trailers  
PO Box 82518  
Oklahoma City, OK 73148

Oklahoma Truck  
6045 NW 2<sup>nd</sup>  
Oklahoma City, OK 73127

Oklahoma Kenworth  
PO Box 271720  
Oklahoma City, OK 73127-1198

Bruckner Truck Sales  
PO Box 75758  
Oklahoma City, OK 73147

Bid News  
5727 South Garnett Road, Suite H  
Tulsa, OK 74146

Kirby – Smith Machinery Inc  
PO Box 270360  
Oklahoma City, OK 73137

C L Boyd  
PO Box 26427  
Oklahoma City, OK 73126

Witness my hand and seal this 15<sup>th</sup> day of November, 2010.

*Sherry Murray*  
Sherry Murray, Purchasing Agent  
(SEAL)



